

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081920\  
 Data File : VU039907.D  
 Acq On : 19 Aug 2020 14:51  
 Operator : SY/MD  
 Sample : L3701-01DL 40X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 JLTx0DL

Quant Time: Aug 20 08:17:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR081920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Aug 20 08:13:41 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 68239    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 69649    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 30580    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 28644    | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 96.20%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 24863    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 100.80% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 39625    | 3.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.80%  |
| 20) 2-Butanone-d5              | 4.67   | 46    | 90058    | 47.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 94.56%  |
| 24) Chloroform-d               | 5.08   | 84    | 49866    | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 29545    | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.80%  |
| 32) Benzene-d6                 | 5.75   | 84    | 98070    | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.71   | 67    | 30424    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 89.00%  |
| 41) Toluene-d8                 | 7.91   | 98    | 82064    | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.40%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 12234    | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.20%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 68147    | 46.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 93.58%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 26362    | 4.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 86.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 31671    | 5.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 105.00% |

## Target Compounds

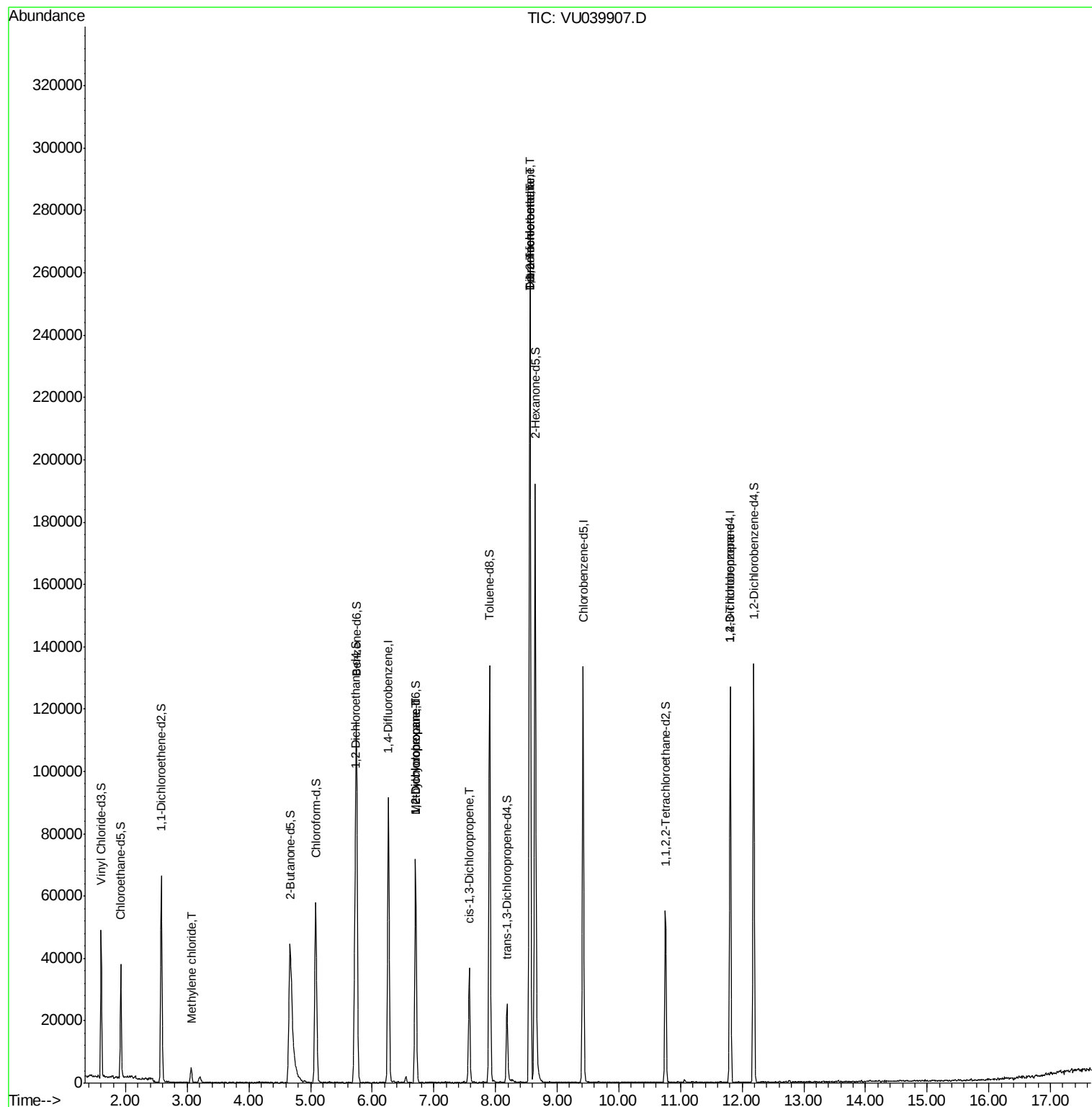
|                             |       |     |       |              | Ovalue |
|-----------------------------|-------|-----|-------|--------------|--------|
| 16) Methylene chloride      | 3.06  | 84  | 1914  | 0.233 ug/L   | 98     |
| 35) Methylcyclohexane       | 6.70  | 83  | 7216  | 0.717 ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.71  | 63  | 3434  | 0.511 ug/L # | 85     |
| 39) cis-1,3-Dichloropropene | 7.57  | 75  | 963   | 0.102 ug/L # | 39     |
| 45) 1,1,2-Trichloroethane   | 8.55  | 97  | 617   | 0.121 ug/L # | 1      |
| 47) Tetrachloroethene       | 8.56  | 164 | 55323 | 11.416 ug/L  | 98     |
| 49) Dibromochloromethane    | 8.56  | 129 | 52764 | 8.647 ug/L # | 11     |
| 59) 1,2,3-Trichloropropane  | 11.81 | 75  | 4909  | 1.019 ug/L   | 93     |

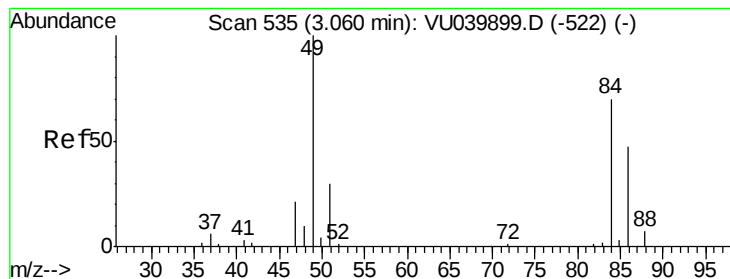
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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JLTX0DL

Quant Time: Aug 20 08:17:11 2020  
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Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Aug 20 08:13:41 2020  
Response via : Initial Calibration





#16

Methylene chloride

Concen: 0.233 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039907.D

Acq: 19 Aug 2020 14:51

Instrument :

MSVOA\_U

ClientSampleId :

JLTX0DL

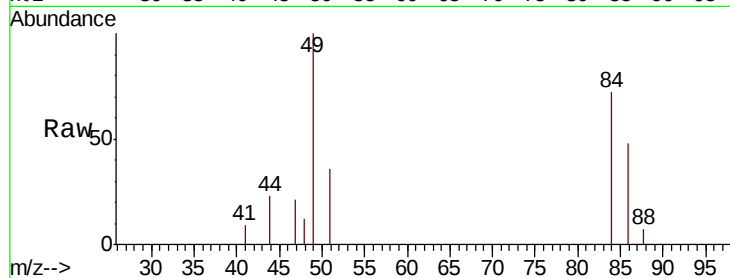
Tot Ion: 84 Resp: 1914

Ion Ratio Lower Upper

84 100

86 66.7 47.2 87.6

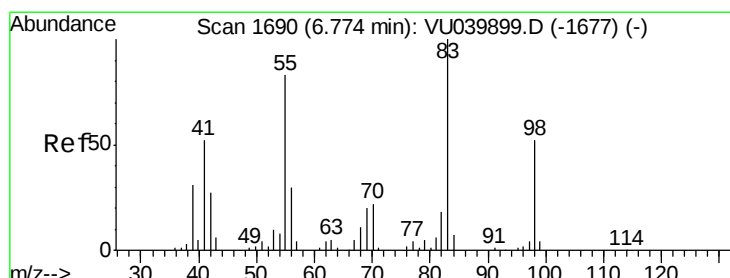
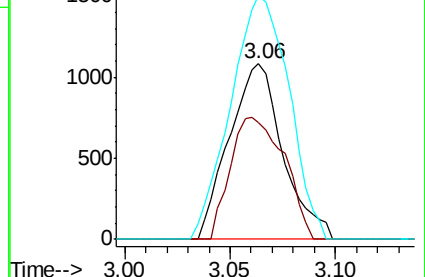
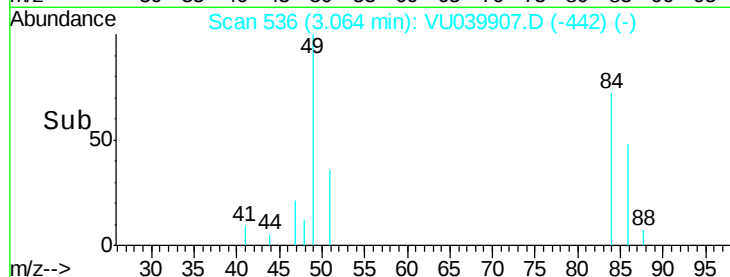
49 138.9 99.8 185.4



Abundance Ion 84.05 (83.75 to 84.75): VU039907.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU039907.D (-442) (-)

Ion 49.10 (48.80 to 49.80): VU039907.D (-442) (-)



#35

Methylcyclohexane

Concen: 0.717 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU039907.D

Acq: 19 Aug 2020 14:51

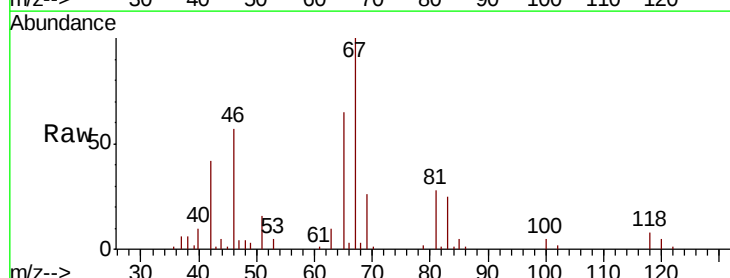
Tgt Ion: 83 Resp: 7216

Ion Ratio Lower Upper

83 100

55 0.0 64.1 96.1#

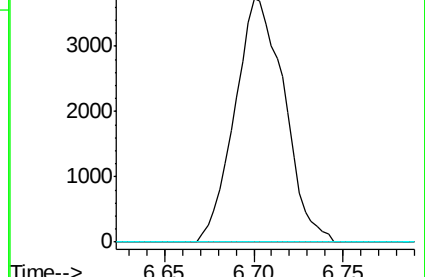
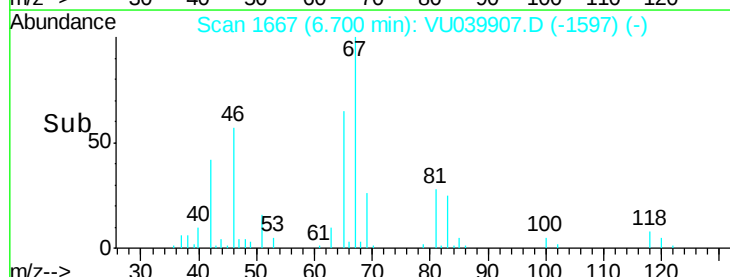
98 1.8 39.4 59.0#

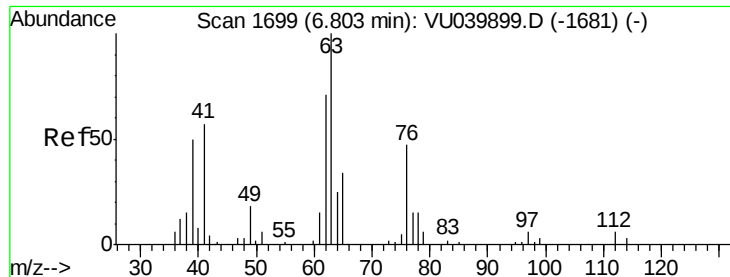


Abundance Ion 83.15 (82.85 to 83.85): VU039907.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU039907.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU039907.D (-1597) (-)

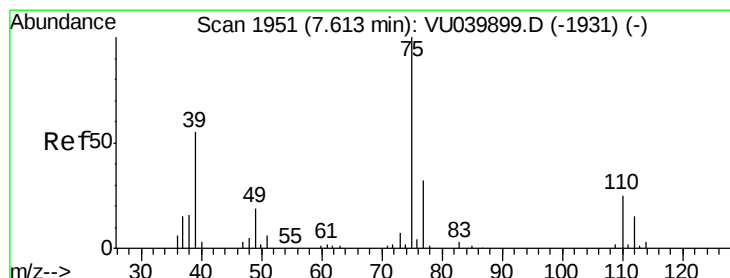
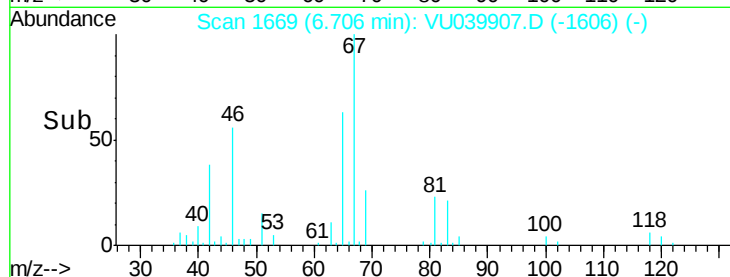
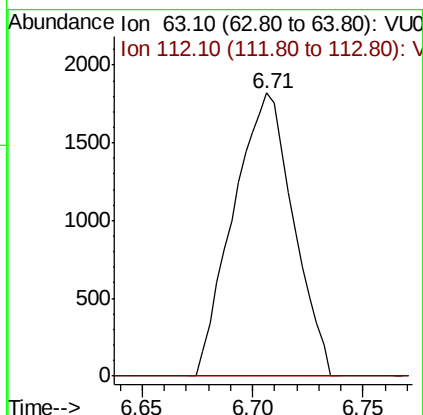
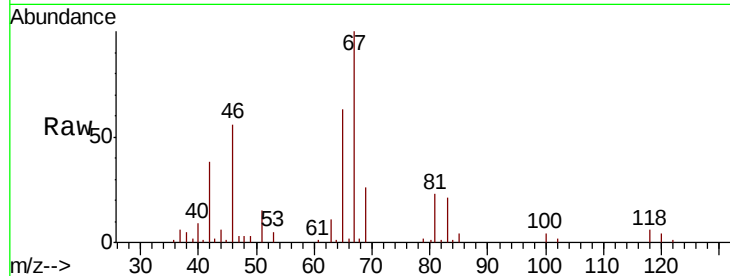




#37  
 1,2-Dichloropropane  
 Concen: 0.511 ug/L  
 RT: 6.71 min Scan# 1669  
 Delta R.T. -0.10 min  
 Lab File: VU039907.D  
 Acq: 19 Aug 2020 14:51

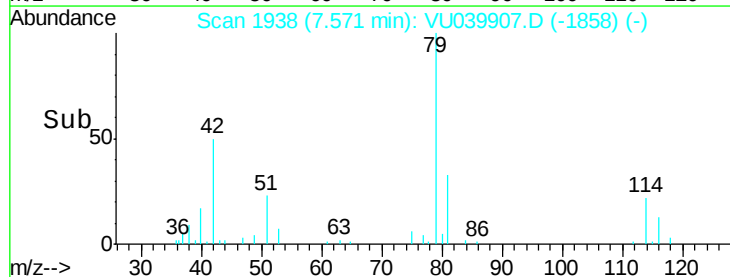
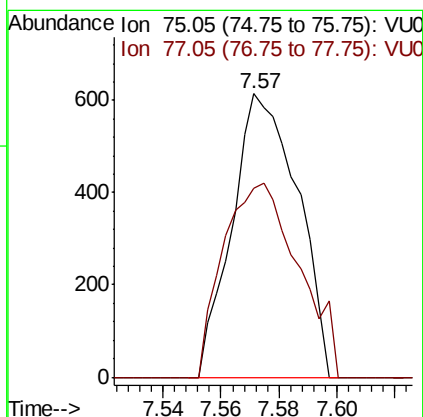
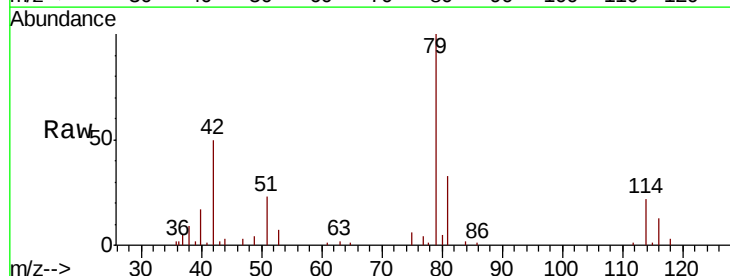
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 JLTx0DL

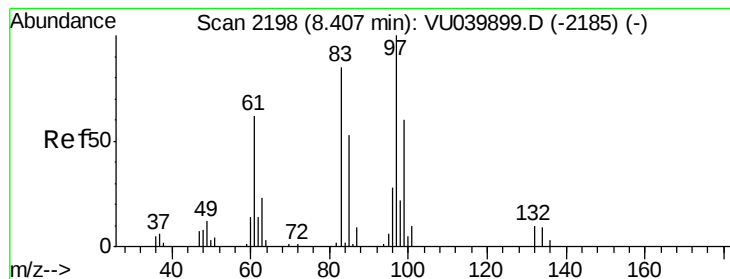
Tot Ion: 63 Resp: 3434  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 4.1 6.1#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.102 ug/L  
 RT: 7.57 min Scan# 1938  
 Delta R.T. -0.04 min  
 Lab File: VU039907.D  
 Acq: 19 Aug 2020 14:51

Tgt Ion: 75 Resp: 963  
 Ion Ratio Lower Upper  
 75 100  
 77 66.6 22.6 42.0#





#45

1,1,2-Trichloroethane

Concen: 0.121 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. 0.14 min

Lab File: VU039907.D

Acq: 19 Aug 2020 14:51

Instrument :

MSVOA\_U

ClientSampleId :

JLTX0DL

Tot Ion: 97 Resp: 617

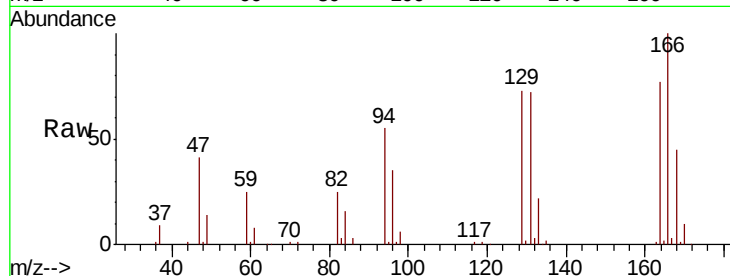
Ion Ratio Lower Upper

97 100

99 0.0 42.1 78.3#

83 205.3 59.3 110.1#

85 0.0 37.2 69.2#



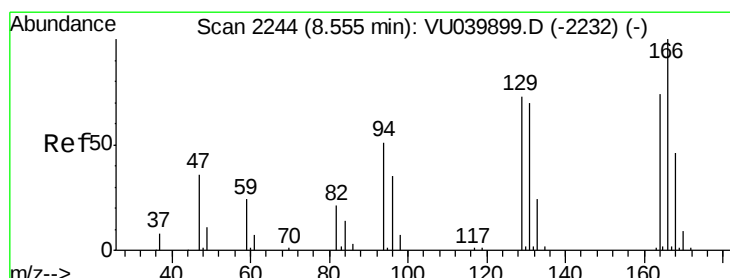
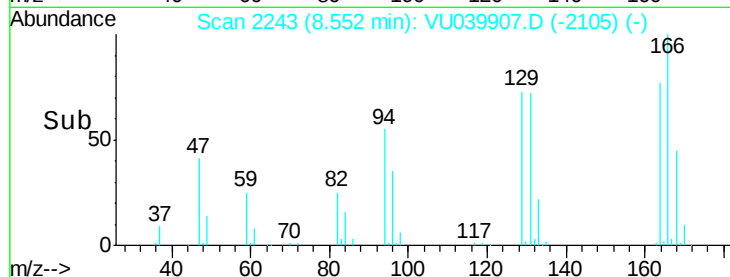
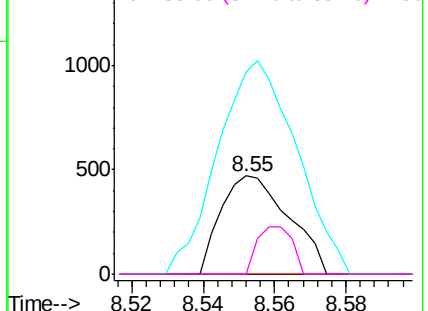
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 11.416 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039907.D

Acq: 19 Aug 2020 14:51

Tgt Ion: 164 Resp: 55323

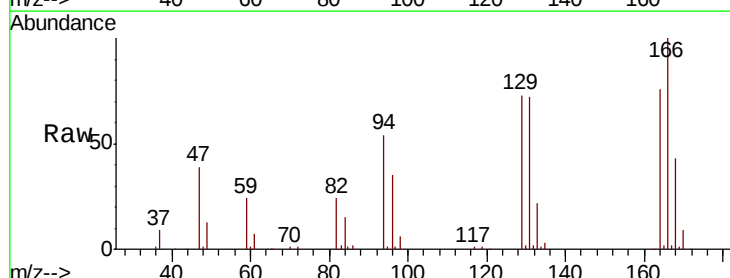
Ion Ratio Lower Upper

164 100

129 95.2 69.1 128.3

131 95.1 66.0 122.6

166 131.3 94.0 174.6



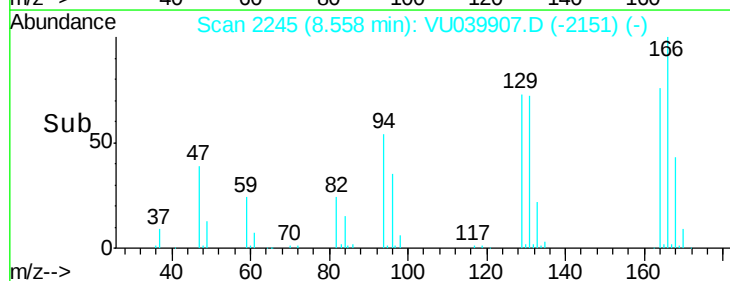
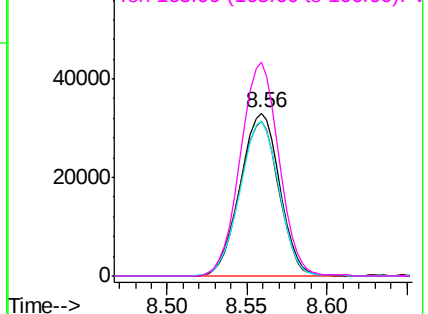
Abundance

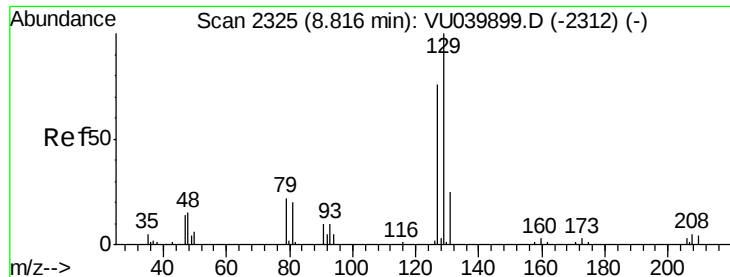
Ion 163.90 (163.60 to 164.60): V

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





#49

Dibromochloromethane

Concen: 8.647 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039907.D

Acq: 19 Aug 2020 14:51

Instrument :

MSVOA\_U

ClientSampleId :

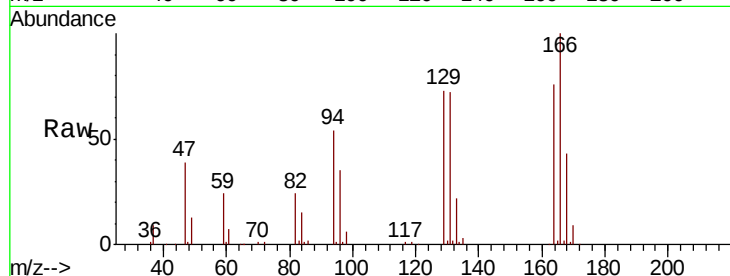
JLTX0DL

Tot Ion:129 Resp: 52764

Ion Ratio Lower Upper

129 100

127 0.0 53.1 98.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

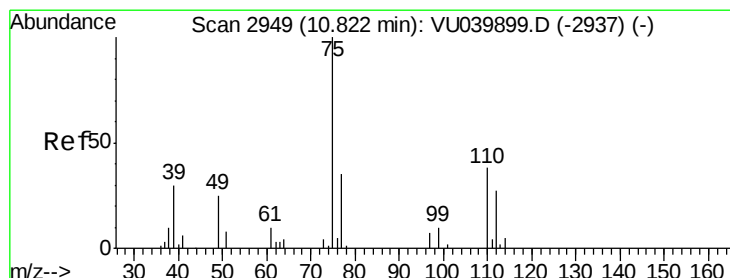
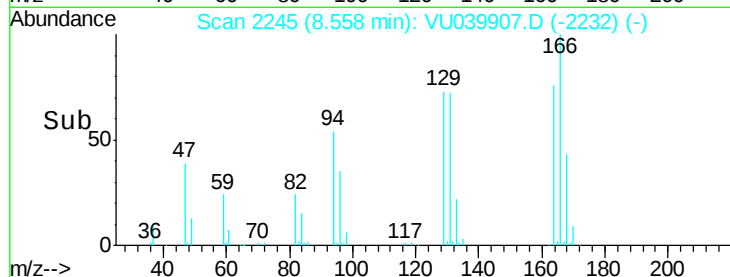
30000

20000

10000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.019 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039907.D

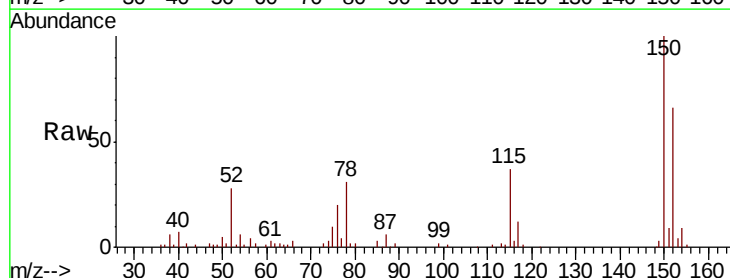
Acq: 19 Aug 2020 14:51

Tgt Ion: 75 Resp: 4909

Ion Ratio Lower Upper

75 100

77 38.6 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

3000

2000

1000

0

Time-->

