

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU082420\  
 Data File : VU039946.D  
 Acq On : 24 Aug 2020 14:57  
 Operator : SY/MD  
 Sample : VU0824WBL01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK24

Quant Time: Aug 24 15:46:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR081920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Aug 24 15:44:09 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 74046    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 72745    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 35622    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 27083    | 4.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 83.80%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 23242    | 4.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 86.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 40176    | 3.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 64.20%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 84100    | 40.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 81.38%  |
| 24) Chloroform-d               | 5.08   | 84    | 50813    | 4.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 29936    | 4.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.60%  |
| 32) Benzene-d6                 | 5.74   | 84    | 103105   | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 31175    | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 87.20%  |
| 41) Toluene-d8                 | 7.90   | 98    | 87749    | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.60%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 13226    | 4.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.20%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 60829    | 39.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 79.96%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 24851    | 3.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 78.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 35223    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.20% |

## Target Compounds

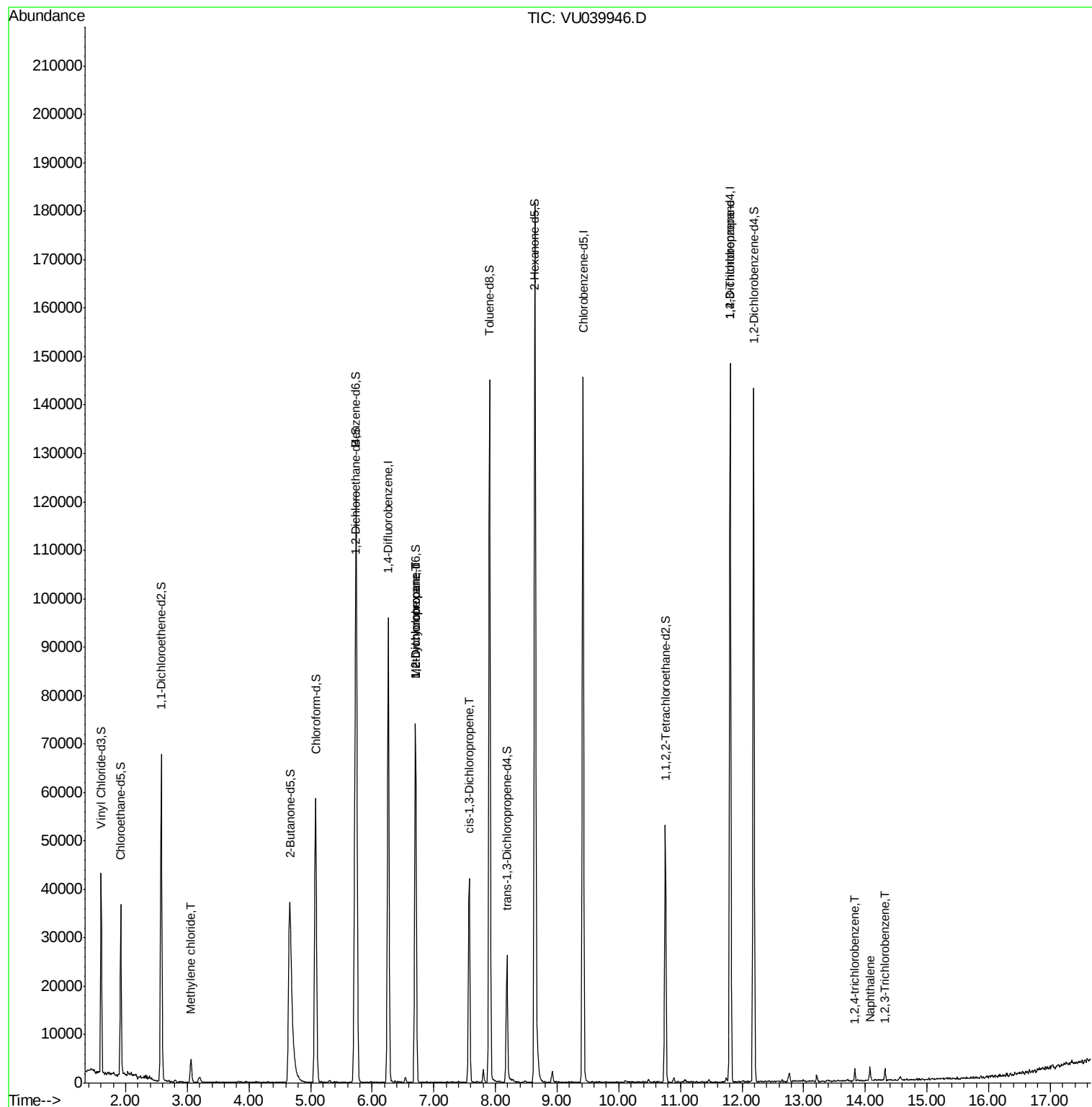
| Target Compounds            | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|-----------------------------|-------|------|----------|-------|--------|--------|
| 16) Methylene chloride      | 3.06  | 84   | 2097     | 0.235 | ug/L   | 94     |
| 35) Methylcyclohexane       | 6.70  | 83   | 7419     | 0.706 | ug/L # | 16     |
| 37) 1,2-Dichloropropane     | 6.70  | 63   | 3789     | 0.539 | ug/L # | 85     |
| 39) cis-1,3-Dichloropropene | 7.57  | 75   | 1164     | 0.119 | ug/L # | 59     |
| 59) 1,2,3-Trichloropropane  | 11.81 | 75   | 4793     | 0.952 | ug/L   | 96     |
| 68) 1,2,4-trichlorobenzene  | 13.83 | 180  | 782      | 0.094 | ug/L # | 74     |
| 69) Naphthalene             | 14.08 | 128  | 2424     | 0.157 | ug/L # | 92     |
| 70) 1,2,3-Trichlorobenzene  | 14.32 | 180  | 968      | 0.124 | ug/L # | 83     |

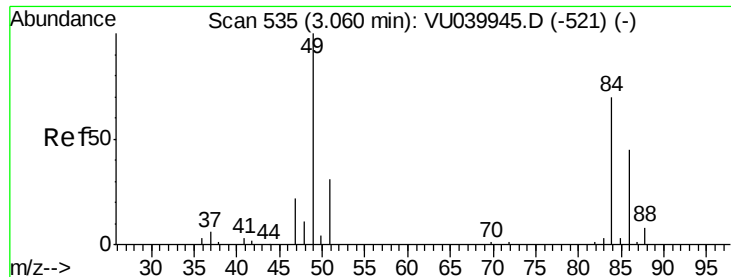
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
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VBLK24

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Quant Title : TRACE VOA SOM01.0  
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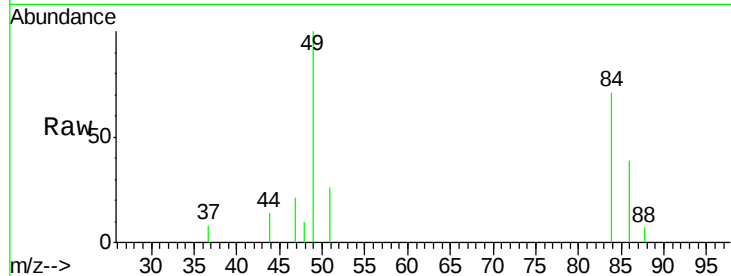




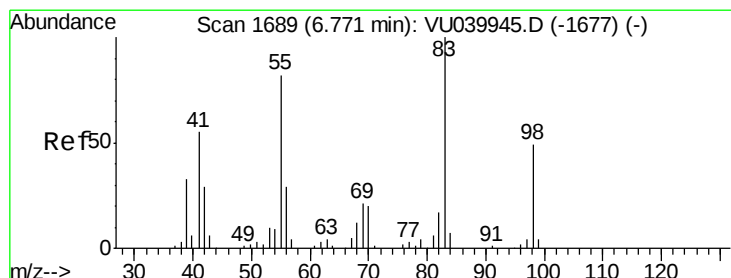
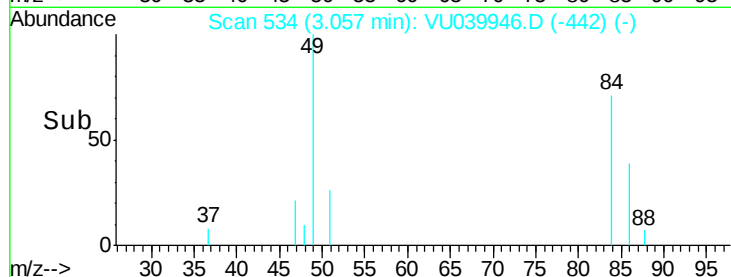
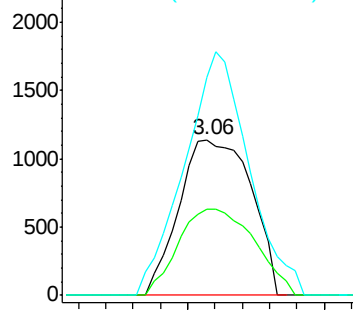
#16  
Methylene chloride  
Concen: 0.235 ug/L  
RT: 3.06 min Scan# 534  
Delta R.T. -0.00 min  
Lab File: VU039946.D  
Acq: 24 Aug 2020 14:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK24

Tgt Ion: 84 Resp: 2097  
Ion Ratio Lower Upper  
84 100  
86 55.4 47.2 87.6  
49 140.6 99.8 185.4

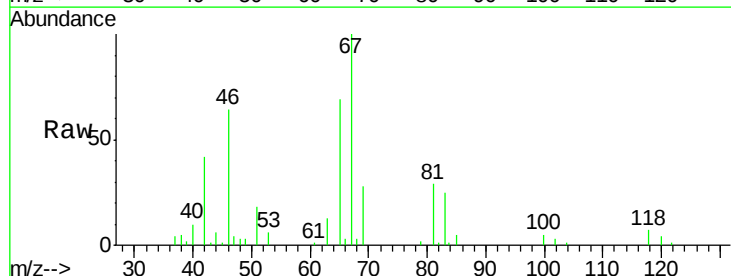


Abundance Ion 84.05 (83.75 to 84.75): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.10 (48.80 to 49.80): VU0

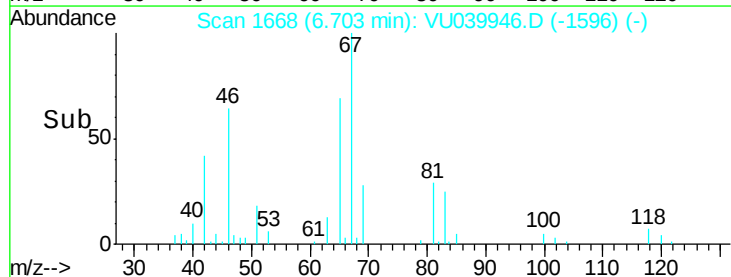
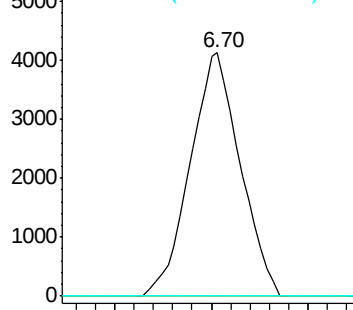


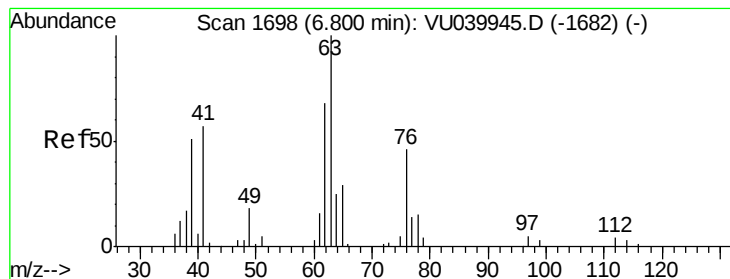
#35  
Methylcyclohexane  
Concen: 0.706 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU039946.D  
Acq: 24 Aug 2020 14:57

Tgt Ion: 83 Resp: 7419  
Ion Ratio Lower Upper  
83 100  
55 0.0 64.1 96.1#  
98 0.0 39.4 59.0#



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: 0.539 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU039946.D

Acq: 24 Aug 2020 14:57

Instrument :

MSVOA\_U

ClientSampleId :

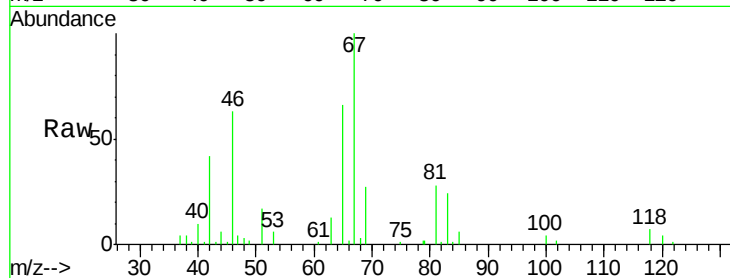
VBLK24

Tgt Ion: 63 Resp: 3789

Ion Ratio Lower Upper

63 100

112 0.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VU039945.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU039945.D (-1682) (-)

6.70

2000

1500

1000

500

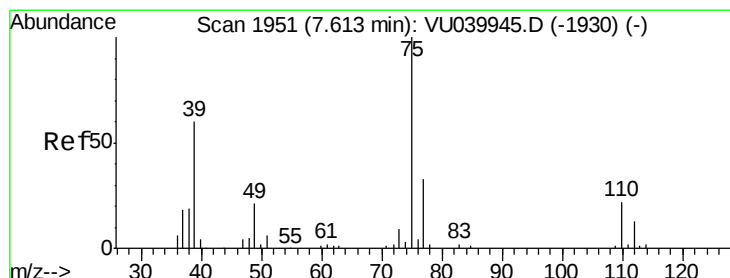
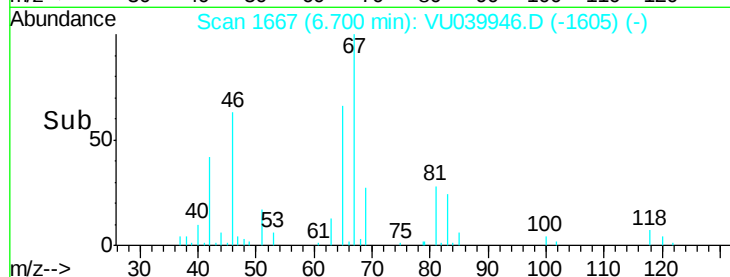
0

6.65

6.70

6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.119 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU039946.D

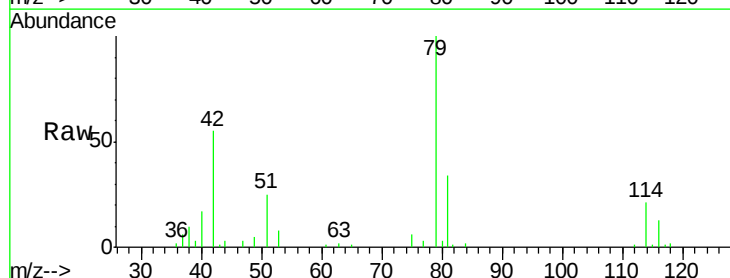
Acq: 24 Aug 2020 14:57

Tgt Ion: 75 Resp: 1164

Ion Ratio Lower Upper

75 100

77 55.2 22.6 42.0#



Abundance Ion 75.05 (74.75 to 75.75): VU039945.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU039945.D (-1930) (-)

7.57

800

600

400

200

0

7.54

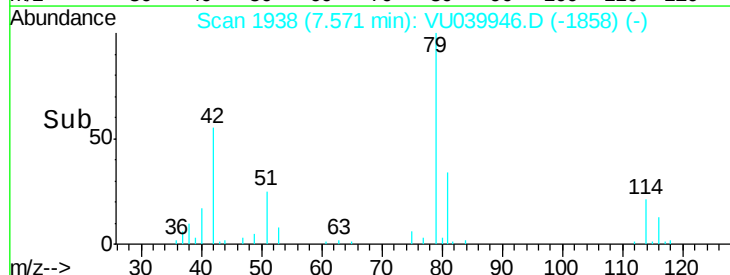
7.56

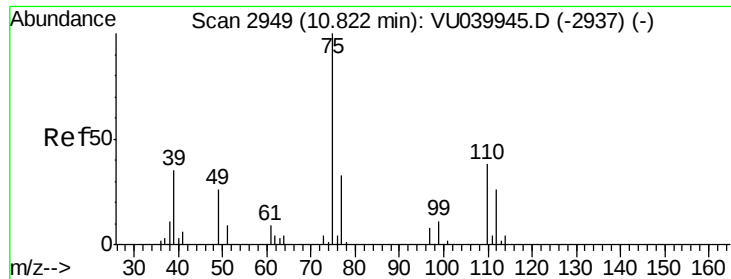
7.58

7.60

7.62

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.952 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039946.D

Acq: 24 Aug 2020 14:57

Instrument :

MSVOA\_U

ClientSampleId :

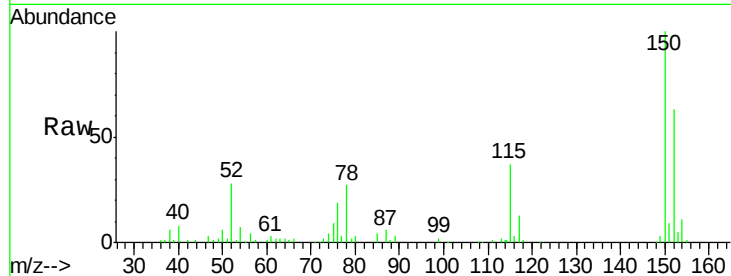
VBLK24

Tgt Ion: 75 Resp: 4793

Ion Ratio Lower Upper

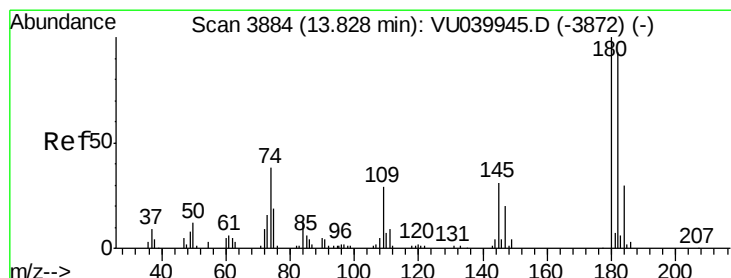
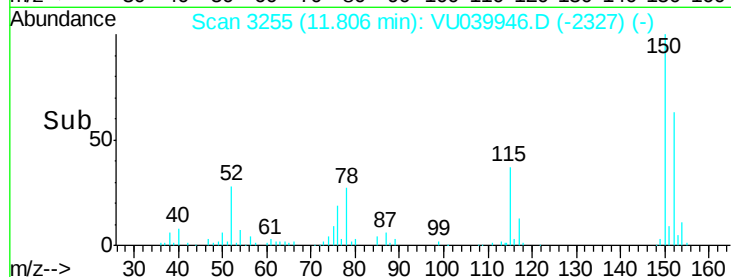
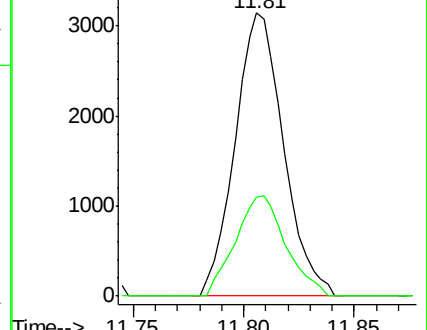
75 100

77 36.9 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU039945.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039945.D (-2937) (-)



#68

1,2,4-trichlorobenzene

Concen: 0.094 ug/L

RT: 13.83 min Scan# 3884

Delta R.T. 0.00 min

Lab File: VU039946.D

Acq: 24 Aug 2020 14:57

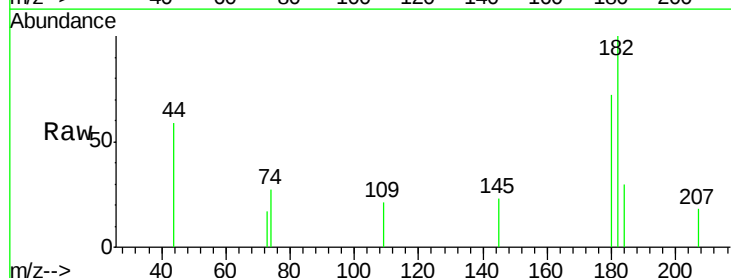
Tgt Ion: 180 Resp: 782

Ion Ratio Lower Upper

180 100

182 122.4 75.2 112.8#

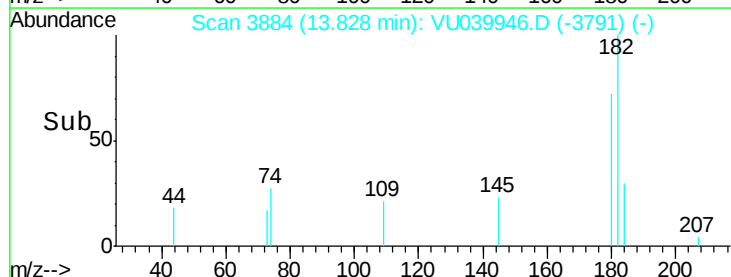
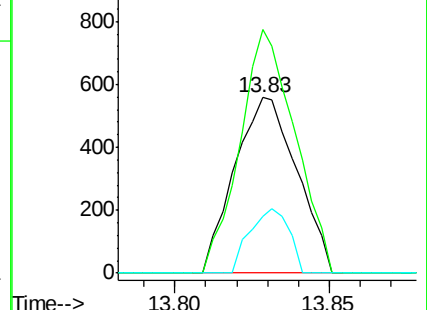
145 23.0 24.6 36.8#

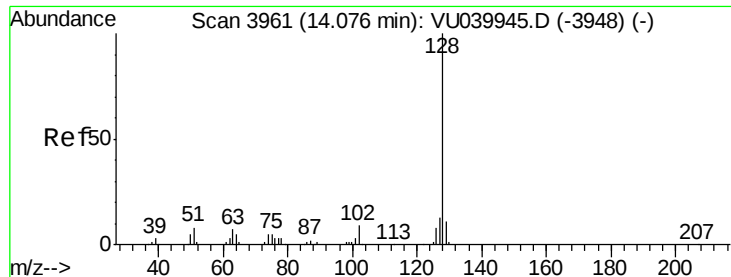


Abundance Ion 179.90 (179.60 to 180.60): VU039945.D (-3872) (-)

Ion 182.00 (181.70 to 182.70): VU039945.D (-3872) (-)

Ion 144.95 (144.65 to 145.65): VU039945.D (-3872) (-)





#69

Naphthalene

Concen: 0.157 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU039946.D

Acq: 24 Aug 2020 14:57

Instrument :

MSVOA\_U

ClientSampleId :

VBLK24

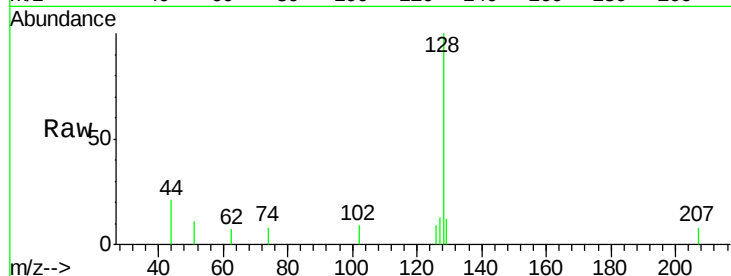
Tgt Ion:128 Resp: 2424

Ion Ratio Lower Upper

128 100

129 9.7 8.5 12.7

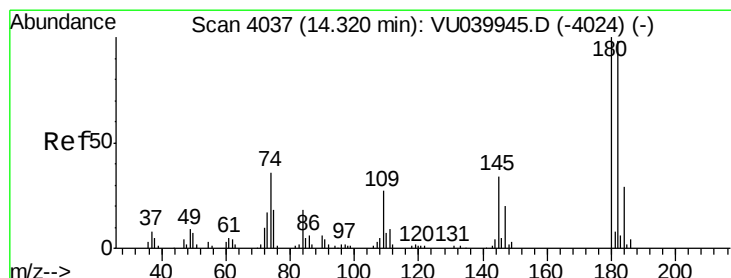
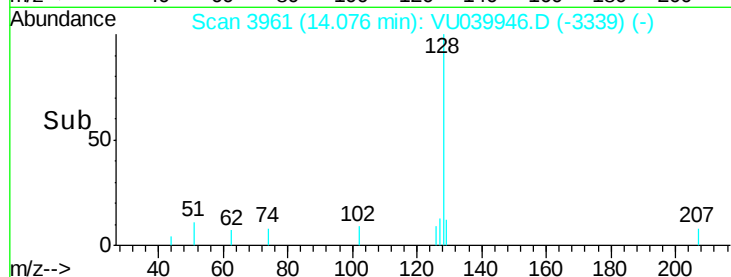
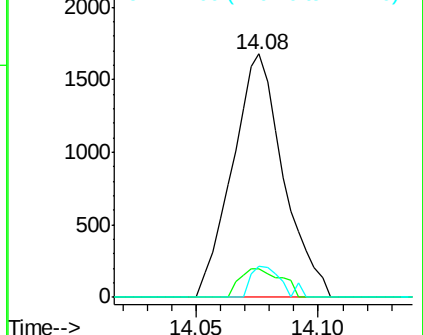
127 7.6 10.2 15.4#



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



#70

1,2,3-Trichlorobenzene

Concen: 0.124 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU039946.D

Acq: 24 Aug 2020 14:57

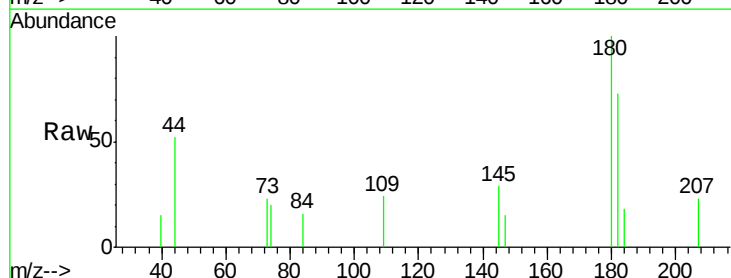
Tgt Ion:180 Resp: 968

Ion Ratio Lower Upper

180 100

182 79.5 75.0 112.6

145 20.0 26.4 39.6#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

