

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110920\  
 Data File : VU041139.D  
 Acq On : 09 Nov 2020 14:40  
 Operator : SY/MD  
 Sample : L4646-23  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB0W7

Quant Time: Nov 10 01:12:17 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102620WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Nov 10 01:04:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 55051    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 58986    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 25291    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 15903    | 3.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 68.80%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 14837    | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 83.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 25704    | 2.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 56.60%# |
| 20) 2-Butanone-d5              | 4.65   | 46    | 85375    | 56.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 112.12% |
| 24) Chloroform-d               | 5.08   | 84    | 42745    | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 104.60% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 26747    | 5.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.60% |
| 32) Benzene-d6                 | 5.74   | 84    | 71291    | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 25659    | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.80%  |
| 41) Toluene-d8                 | 7.91   | 98    | 57883    | 4.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 81.00%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 9389     | 4.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.40%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 59680    | 49.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 99.58%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 23919    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 100.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 25842    | 5.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 116.40% |

## Target Compounds

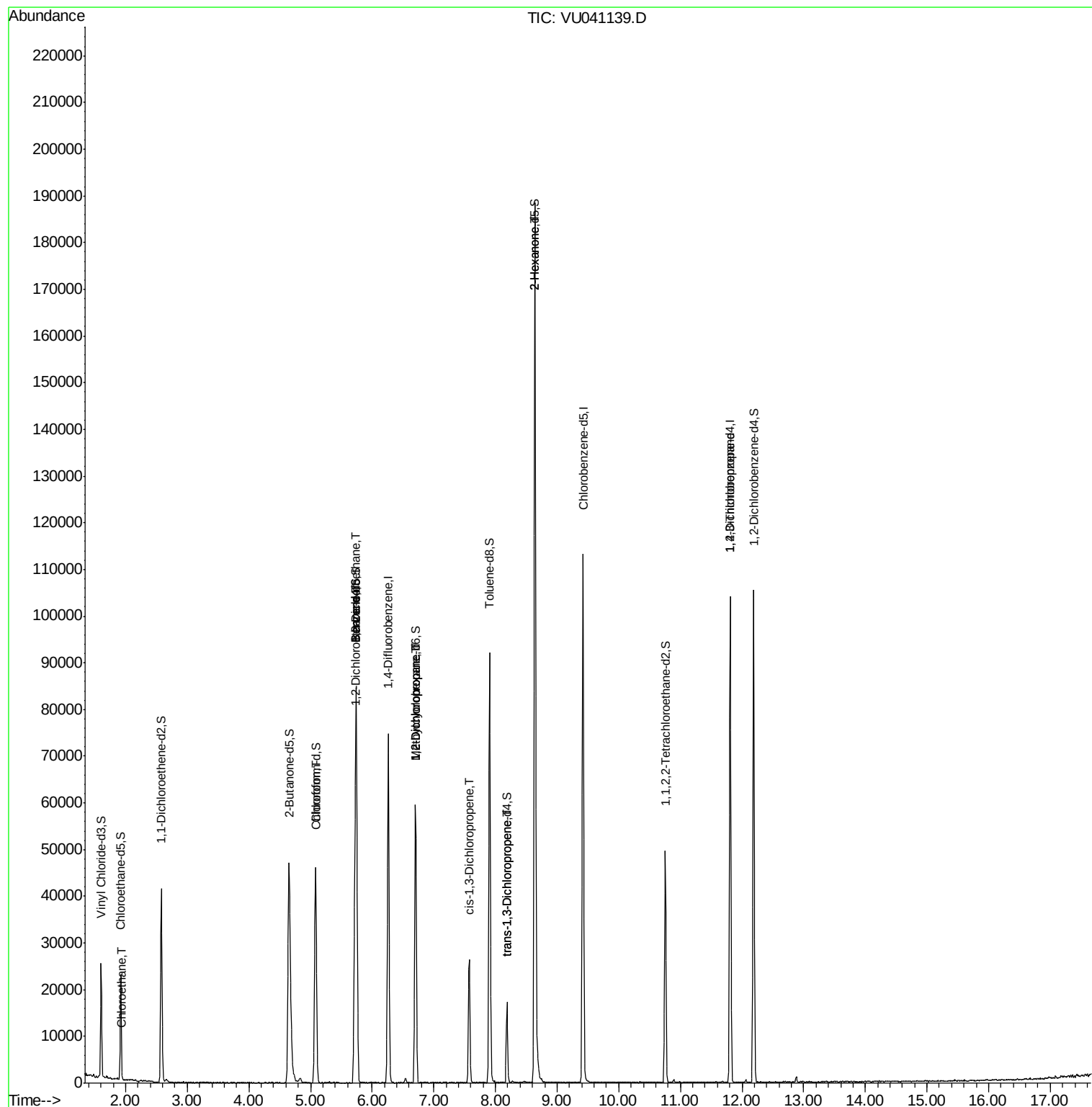
| Target Compounds              | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------------|-------|------|----------|-------|--------|--------|
| 8) Chloroethane               | 1.95  | 64   | 149      | 0.045 | ug/L # | 43     |
| 25) Chloroform                | 5.10  | 83   | 528      | 0.067 | ug/L   | 89     |
| 27) 1,2-Dichloroethane        | 5.75  | 62   | 196      | 0.033 | ug/L # | 74     |
| 33) Benzene                   | 5.75  | 78   | 612      | 0.035 | ug/L   | 100    |
| 35) Methylcyclohexane         | 6.70  | 83   | 6165     | 0.921 | ug/L # | 15     |
| 37) 1,2-Dichloropropane       | 6.70  | 63   | 3151     | 0.661 | ug/L # | 86     |
| 39) cis-1,3-Dichloropropene   | 7.57  | 75   | 819      | 0.125 | ug/L   | 92     |
| 44) trans-1,3-Dichloropropene | 8.19  | 75   | 542      | 0.088 | ug/L   | 99     |
| 48) 2-Hexanone                | 8.64  | 43   | 9246     | 3.229 | ug/L # | 69     |
| 59) 1,2,3-Trichloropropane    | 11.81 | 75   | 3407     | 0.959 | ug/L   | 95     |

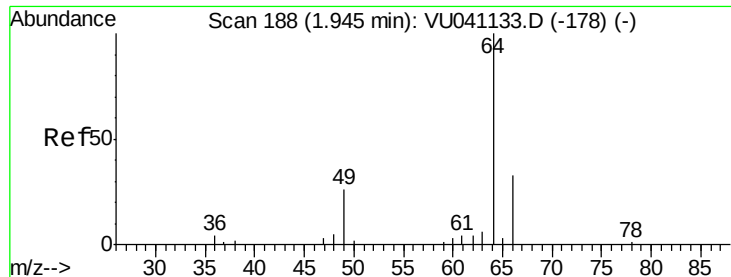
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 10 01:12:17 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102620WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Nov 10 01:04:12 2020  
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.045 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU041139.D

Acq: 09 Nov 2020 14:40

Instrument :

MSVOA\_U

ClientSampleId :

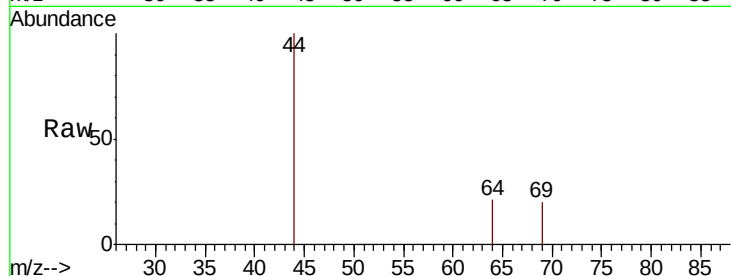
GB0W7

Tot Ion: 64 Resp: 149

Ion Ratio Lower Upper

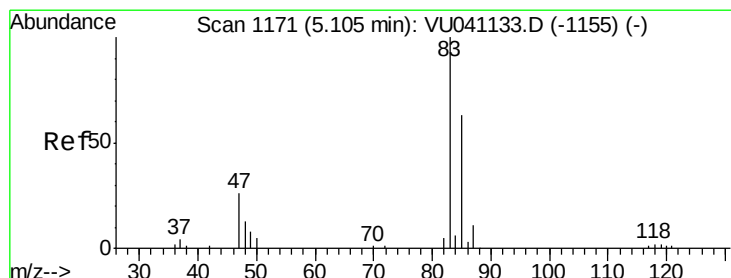
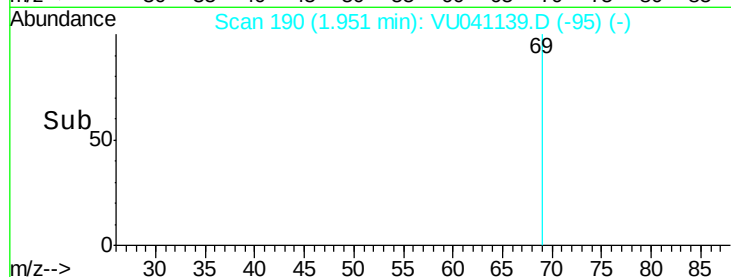
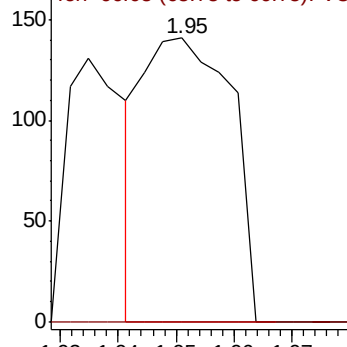
64 100

66 0.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#25

Chloroform

Concen: 0.067 ug/L

RT: 5.10 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VU041139.D

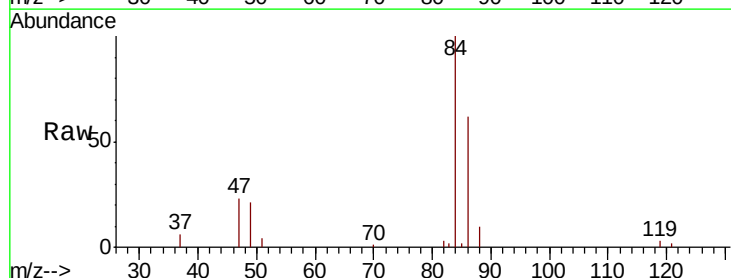
Acq: 09 Nov 2020 14:40

Tgt Ion: 83 Resp: 528

Ion Ratio Lower Upper

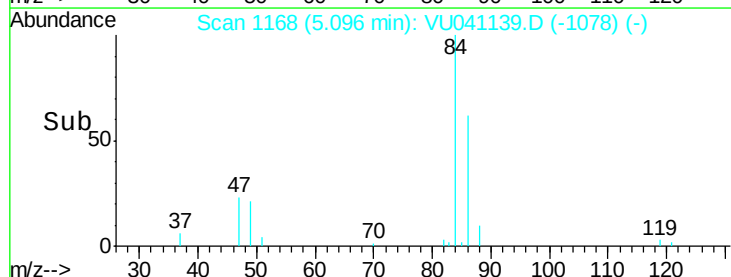
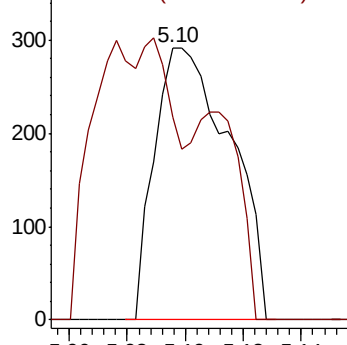
83 100

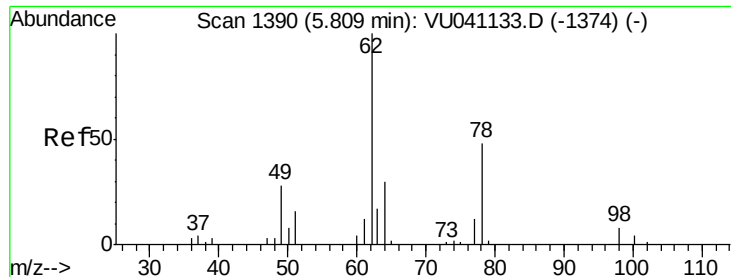
85 74.3 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.033 ug/L

RT: 5.75 min Scan# 1371

Delta R.T. -0.06 min

Lab File: VU041139.D

Acq: 09 Nov 2020 14:40

Instrument :

MSVOA\_U

ClientSampled :

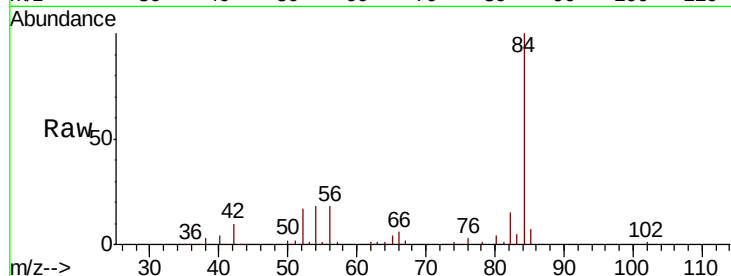
GB0W7

Tot Ion: 62 Resp: 196

Ion Ratio Lower Upper

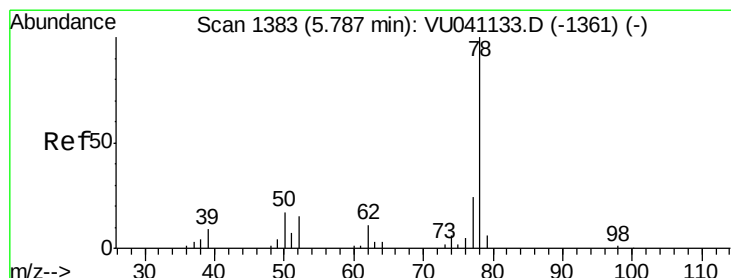
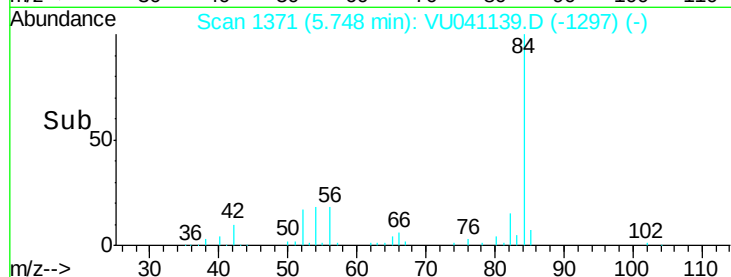
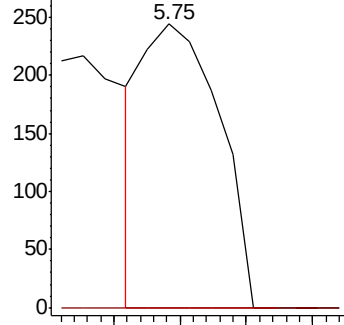
62 100

98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#33

Benzene

Concen: 0.035 ug/L

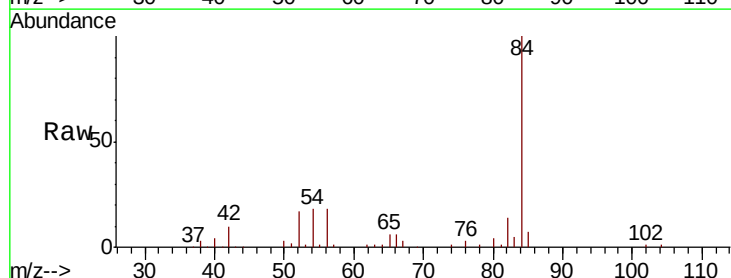
RT: 5.75 min Scan# 1370

Delta R.T. -0.04 min

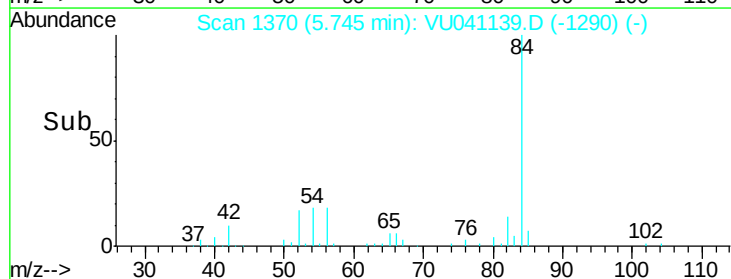
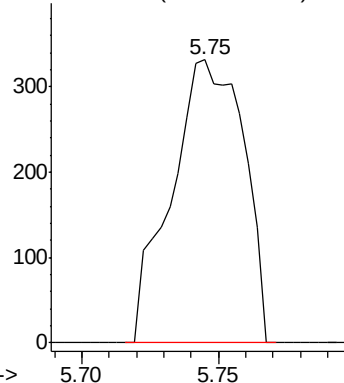
Lab File: VU041139.D

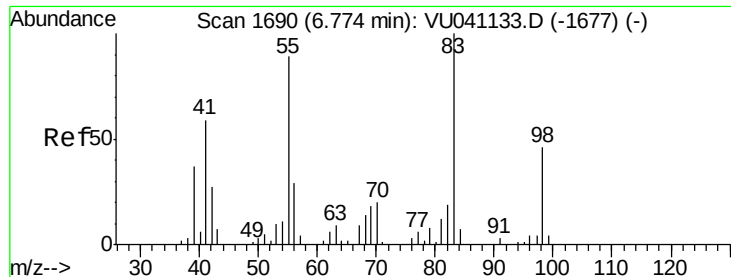
Acq: 09 Nov 2020 14:40

Tgt Ion: 78 Resp: 612



Abundance Ion 78.10 (77.80 to 78.80): VU0

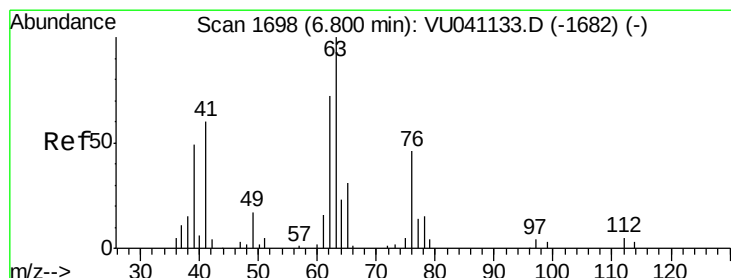
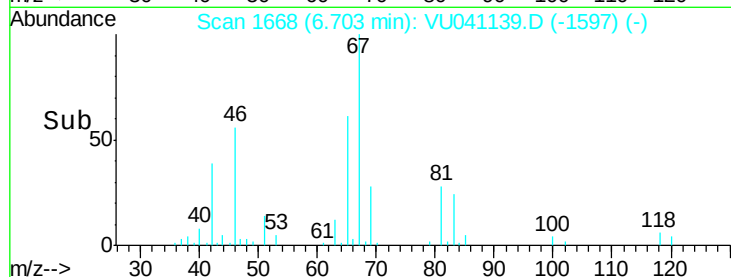
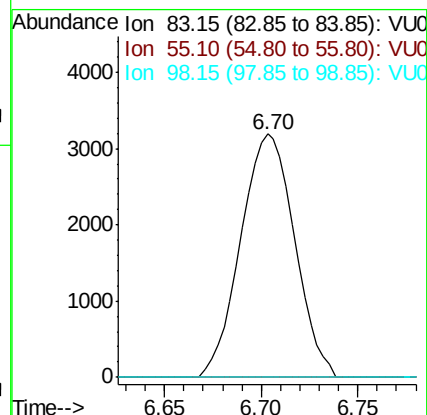
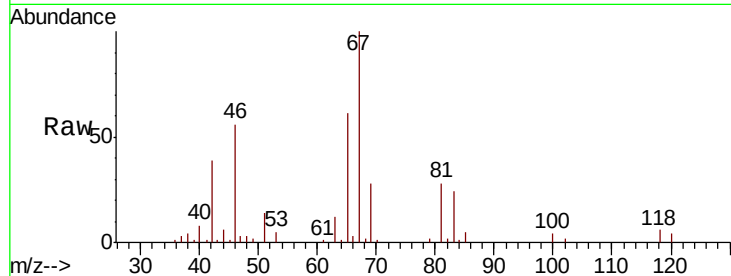




#35  
Methylvlcyclohexane  
Concen: 0.921 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU041139.D  
Acq: 09 Nov 2020 14:40

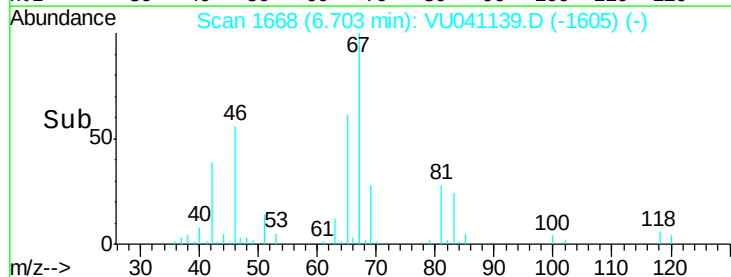
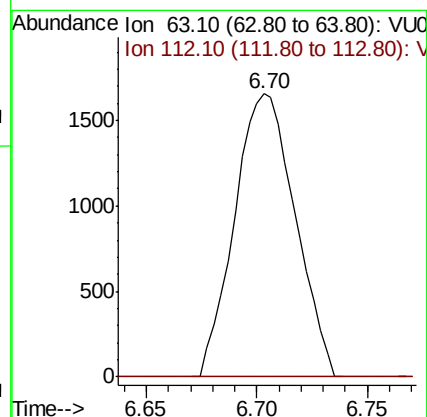
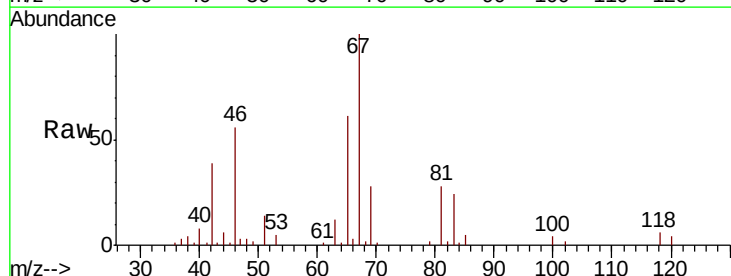
Instrument :  
MSVOA\_U  
ClientSampleId :  
GB0W7

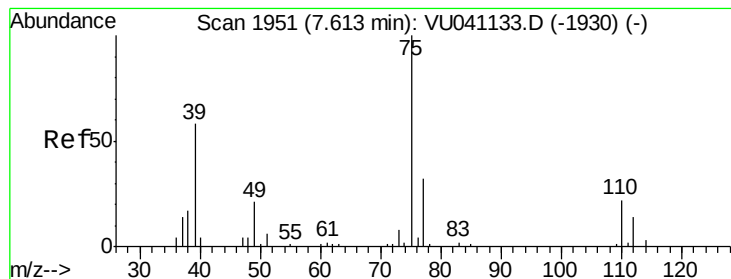
Tot Ion: 83 Resp: 6165  
Ion Ratio Lower Upper  
83 100  
55 0.0 72.0 108.0#  
98 3.3 36.6 55.0#



#37  
1,2-Dichloropropane  
Concen: 0.661 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.10 min  
Lab File: VU041139.D  
Acq: 09 Nov 2020 14:40

Tgt Ion: 63 Resp: 3151  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.6 5.4#





#39

cis-1,3-Dichloropropene

Concen: 0.125 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041139.D

Acq: 09 Nov 2020 14:40

Instrument :

MSVOA\_U

ClientSampleId :

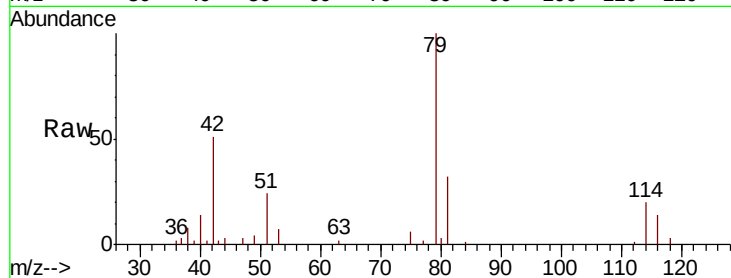
GB0W7

Tot Ion: 75 Resp: 819

Ion Ratio Lower Upper

75 100

77 36.8 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

600

500

400

300

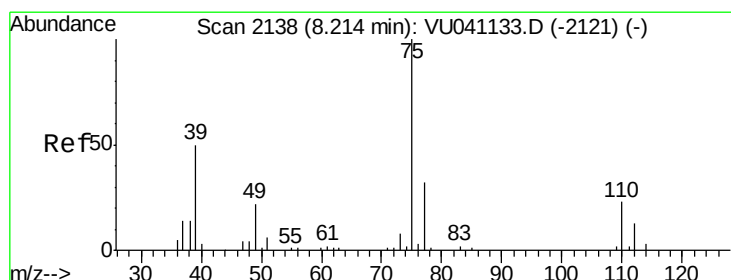
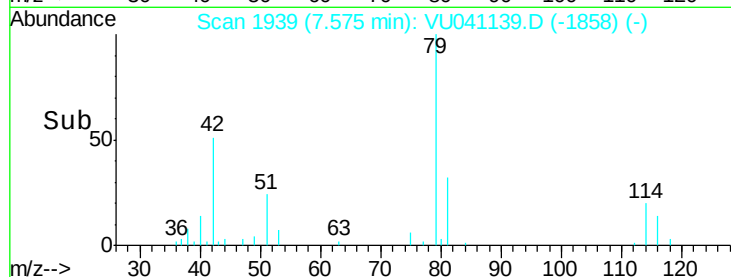
200

100

0

7.55 7.57 7.60

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041139.D

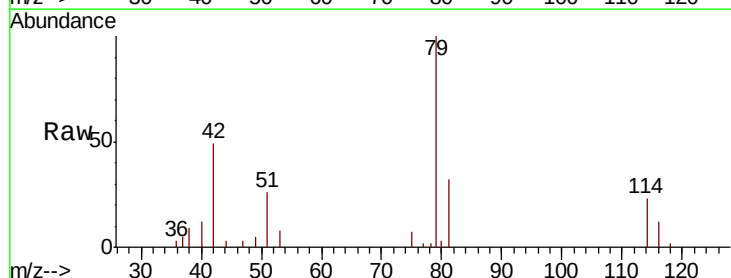
Acq: 09 Nov 2020 14:40

Tgt Ion: 75 Resp: 542

Ion Ratio Lower Upper

75 100

77 33.7 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

400

300

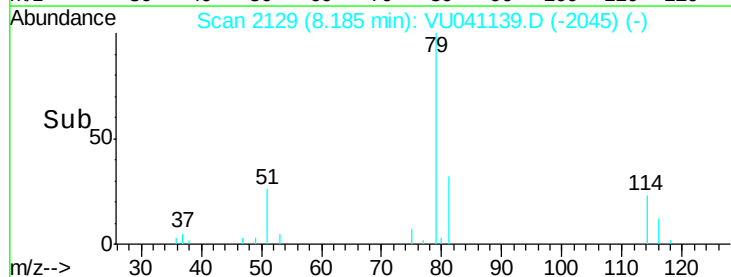
200

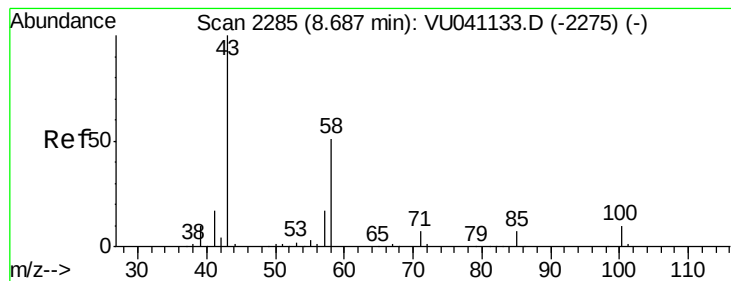
100

0

8.14 8.16 8.18 8.19 8.20 8.22

Time-->





#48

2-Hexanone

Concen: 3.229 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041139.D

Acq: 09 Nov 2020 14:40

Instrument :

MSVOA\_U

ClientSampleId :

GB0W7

Tot Ion: 43 Resp: 9246

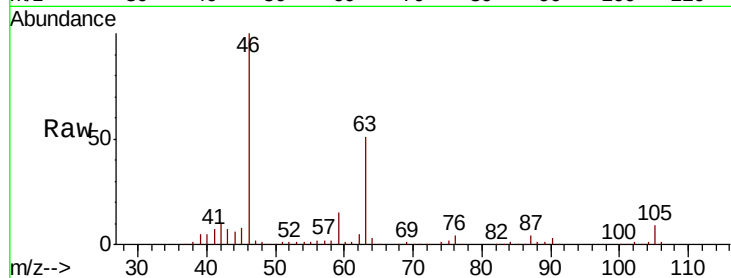
Ion Ratio Lower Upper

43 100

58 28.7 41.4 62.2#

57 30.7 14.6 21.8#

100 0.8 8.3 12.5#

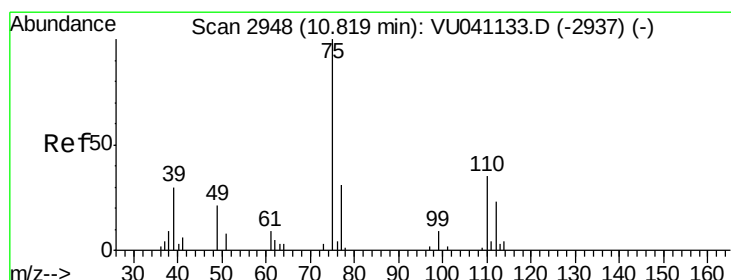
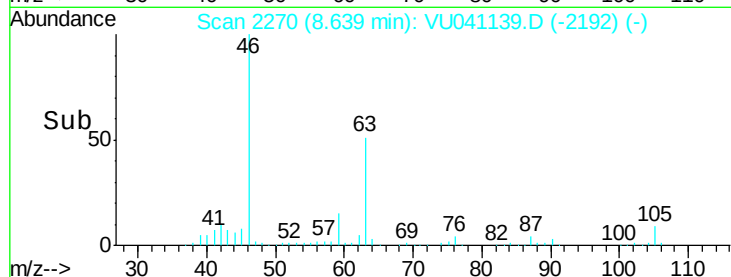
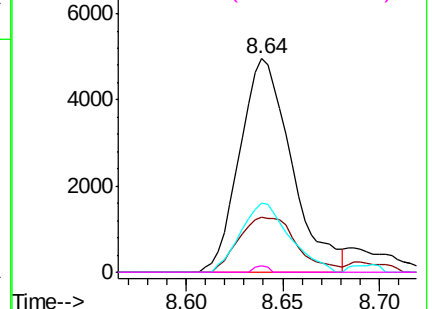


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.959 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041139.D

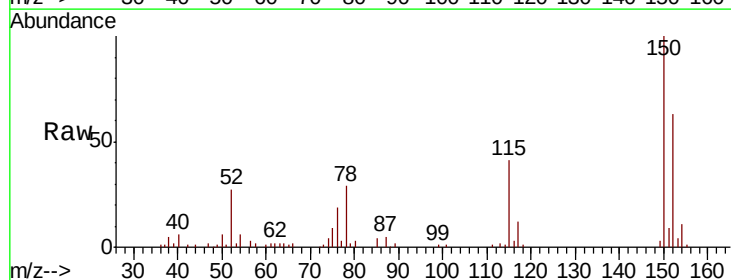
Acq: 09 Nov 2020 14:40

Tgt Ion: 75 Resp: 3407

Ion Ratio Lower Upper

75 100

77 34.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

