

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\  
 Data File : VU040227.D  
 Acq On : 21 Sep 2020 11:10  
 Operator : SY/MD  
 Sample : VU0921WBL01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK11

Quant Time: Sep 22 07:14:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR083120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Sep 22 07:07:10 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 120024   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 122054   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 49970    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 29159    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 89.00%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 29064    | 5.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 106.40% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 52037    | 3.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.80%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 146795   | 56.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 112.00% |
| 24) Chloroform-d               | 5.08   | 84    | 75464    | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 49857    | 5.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.60% |
| 32) Benzene-d6                 | 5.75   | 84    | 137408   | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 45414    | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 96.60%  |
| 41) Toluene-d8                 | 7.91   | 98    | 104958   | 4.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 81.60%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 19607    | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 90.80%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 105621   | 51.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 103.36% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 42849    | 5.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 105.60% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 44894    | 5.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 111.00% |

## Target Compounds

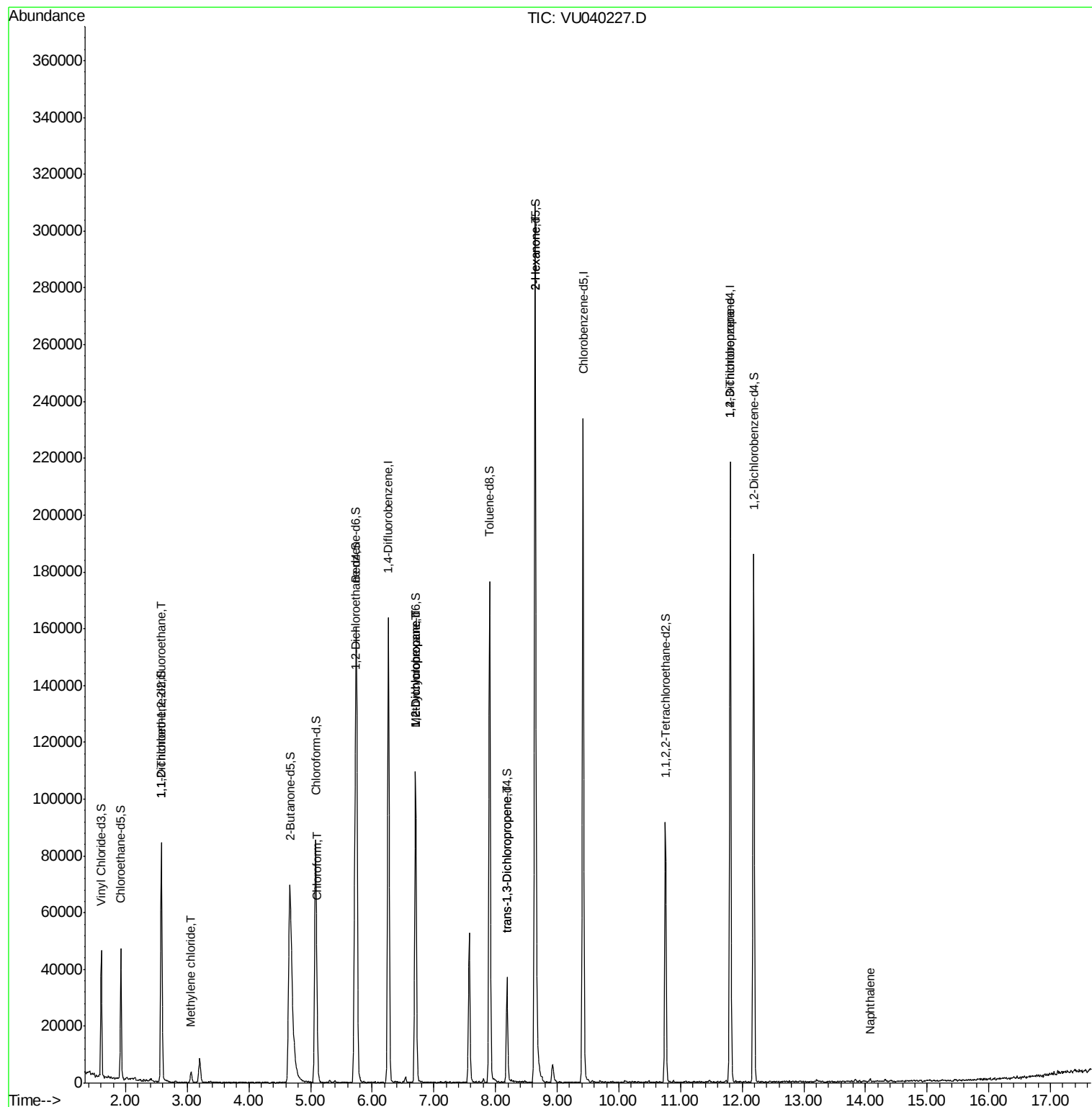
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.57  | 101  | 534      | 0.050 | ug/L # | 22     |
| 16) Methylene chloride         | 3.06  | 84   | 1796     | 0.148 | ug/L   | 90     |
| 25) Chloroform                 | 5.11  | 83   | 4799     | 0.228 | ug/L   | 92     |
| 35) Methylcyclohexane          | 6.70  | 83   | 11141    | 0.621 | ug/L # | 14     |
| 37) 1,2-Dichloropropane        | 6.70  | 63   | 5793     | 0.490 | ug/L # | 88     |
| 44) trans-1,3-Dichloropropene  | 8.19  | 75   | 1192     | 0.074 | ug/L # | 79     |
| 48) 2-Hexanone                 | 8.64  | 43   | 14932    | 2.110 | ug/L # | 73     |
| 59) 1,2,3-Trichloropropane     | 11.81 | 75   | 8166     | 0.932 | ug/L   | 94     |
| 69) Naphthalene                | 14.08 | 128  | 1134     | 0.049 | ug/L # | 69     |

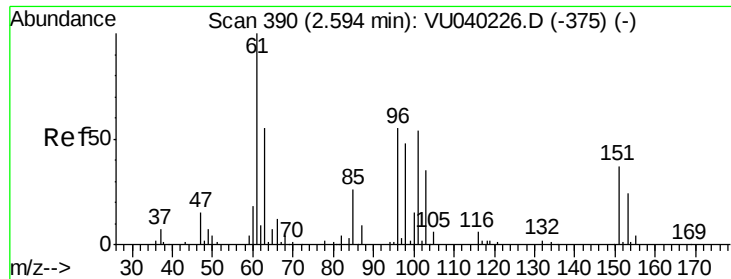
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VU0921WBL01  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK11

Quant Time: Sep 22 07:14:10 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR083120WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Sep 22 07:07:10 2020  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.050 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU040227.D

Acq: 21 Sep 2020 11:10

Instrument :

MSVOA\_U

ClientSampled :

VBLK11

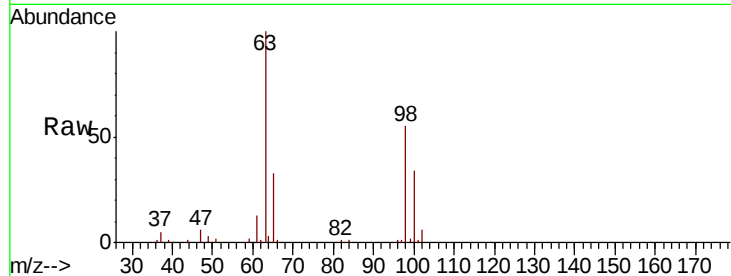
Tot Ion:101 Resp: 534

Ion Ratio Lower Upper

101 100

85 0.0 37.7 56.5#

151 0.0 53.9 80.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.57

400

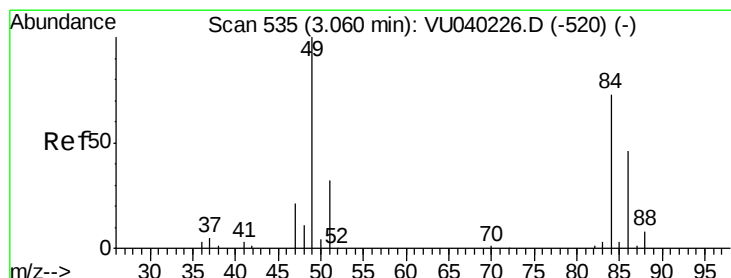
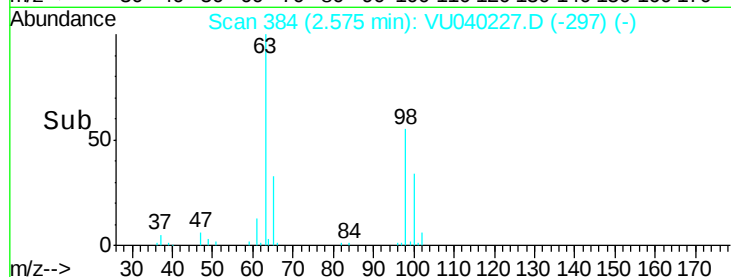
300

200

100

0

Time--> 2.54 2.56 2.58 2.60 2.62



#16

Methylene chloride

Concen: 0.148 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040227.D

Acq: 21 Sep 2020 11:10

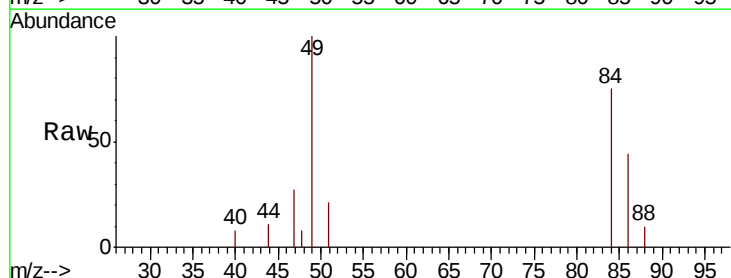
Tgt Ion: 84 Resp: 1796

Ion Ratio Lower Upper

84 100

86 59.2 45.2 84.0

49 133.5 104.0 193.2



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

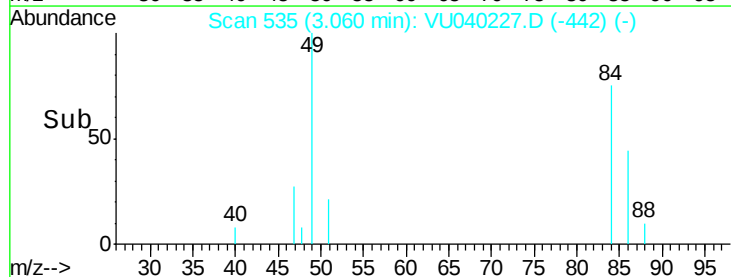
1500

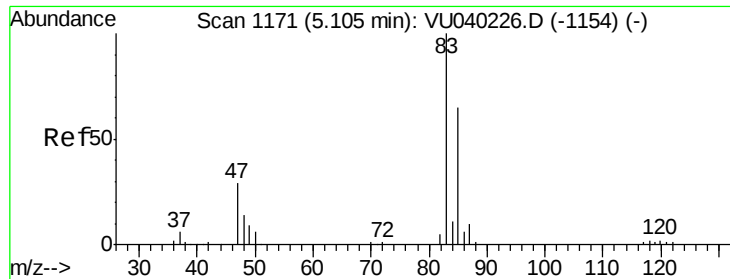
1000

500

0

Time--> 3.00 3.05 3.10

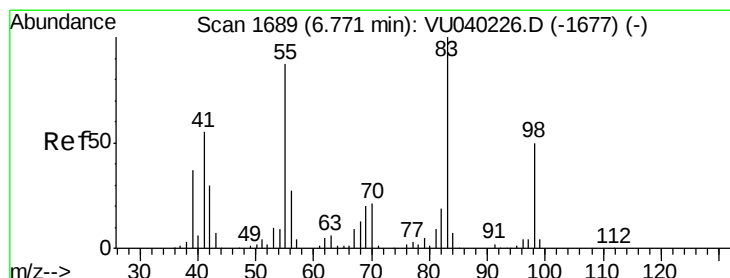
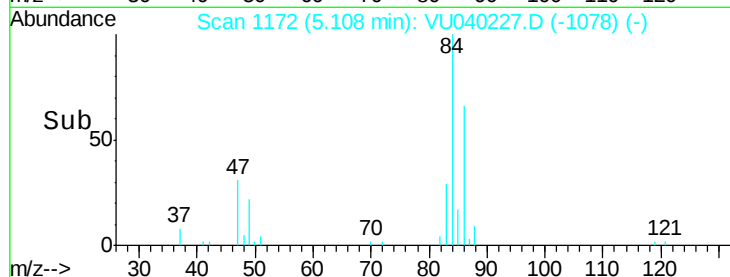
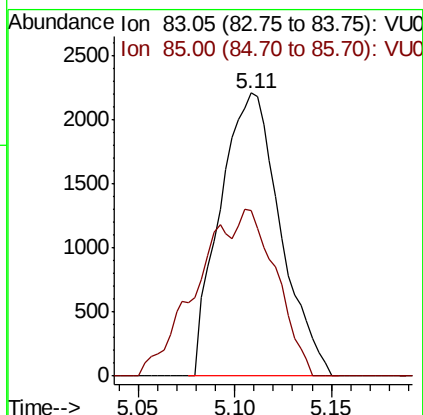
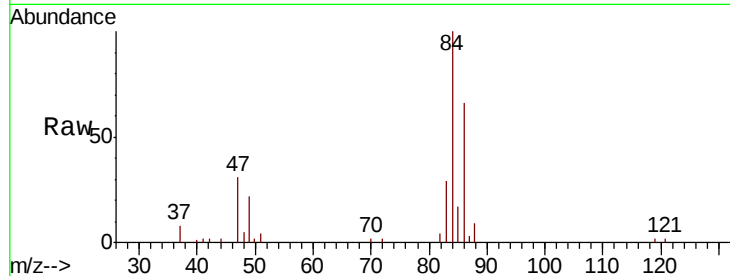




#25  
Chloroform  
Concen: 0.228 ug/L  
RT: 5.11 min Scan# 1172  
Delta R.T. 0.00 min  
Lab File: VU040227.D  
Acq: 21 Sep 2020 11:10

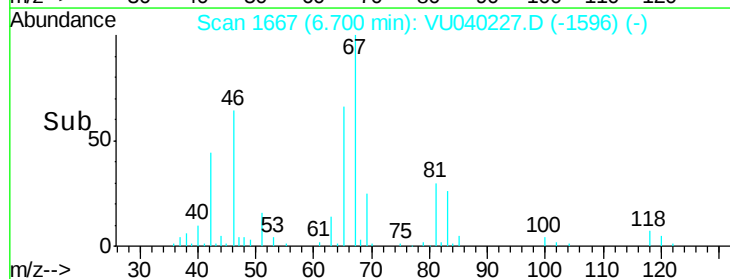
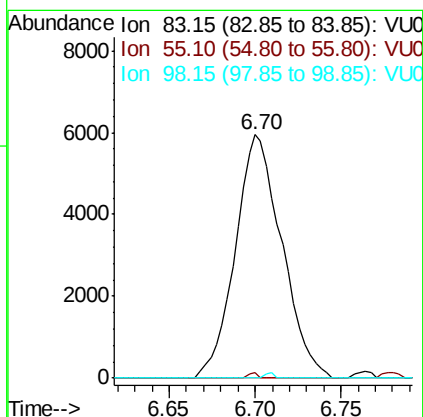
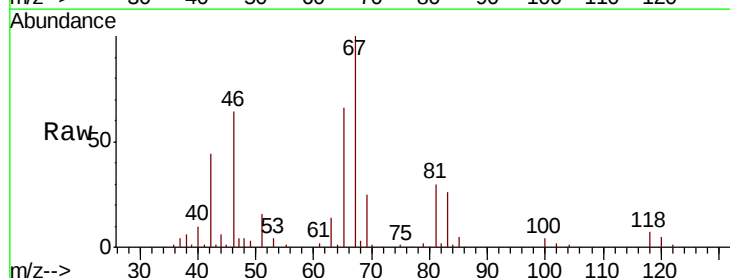
Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK11

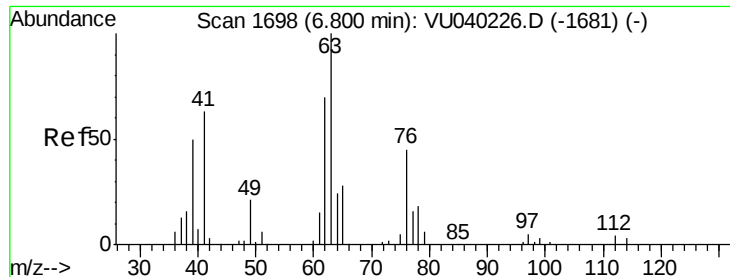
Tot Ion: 83 Resp: 4799  
Ion Ratio Lower Upper  
83 100  
85 58.4 45.3 84.1



#35  
Methylcyclohexane  
Concen: 0.621 ug/L  
RT: 6.70 min Scan# 1667  
Delta R.T. -0.07 min  
Lab File: VU040227.D  
Acq: 21 Sep 2020 11:10

Tgt Ion: 83 Resp: 11141  
Ion Ratio Lower Upper  
83 100  
55 0.4 70.5 105.7#  
98 0.4 37.8 56.6#

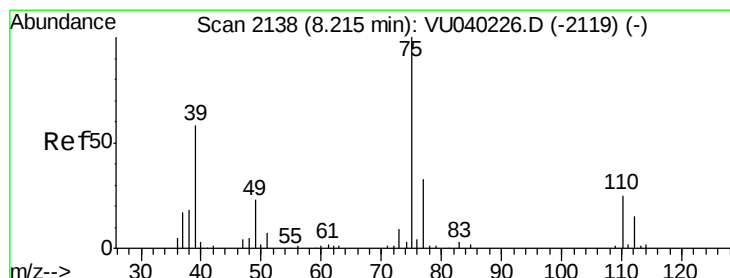
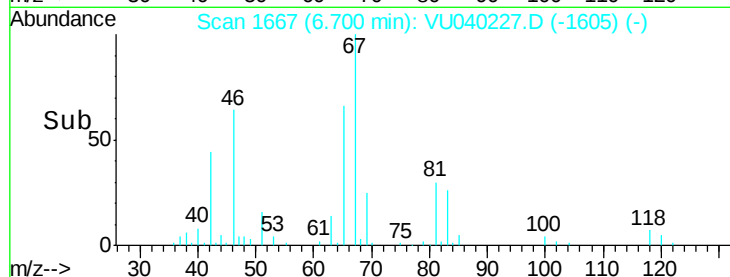
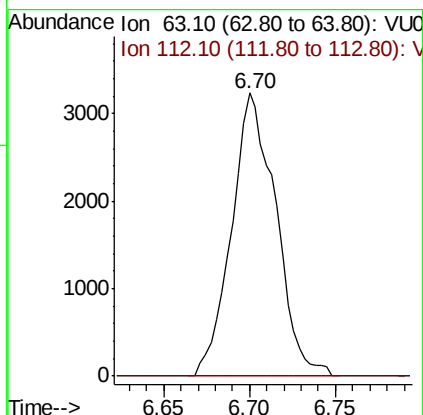
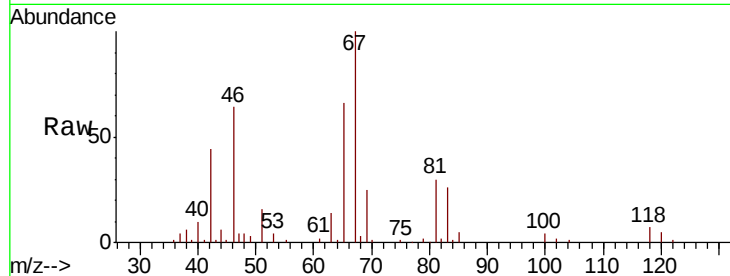




#37  
 1,2-Dichloropropane  
 Concen: 0.490 ug/L  
 RT: 6.70 min Scan# 1667  
 Delta R.T. -0.10 min  
 Lab File: VU040227.D  
 Acq: 21 Sep 2020 11:10

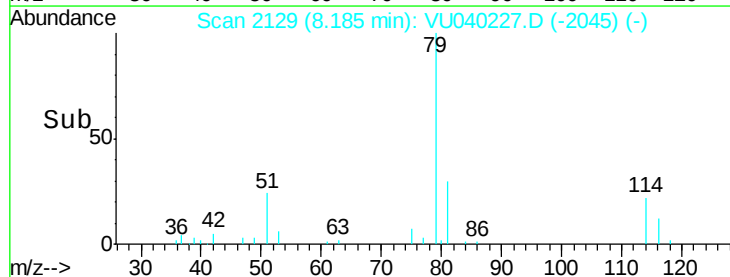
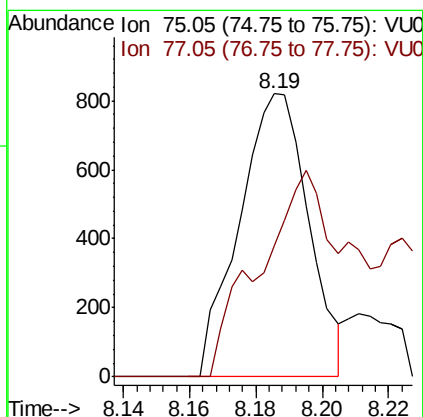
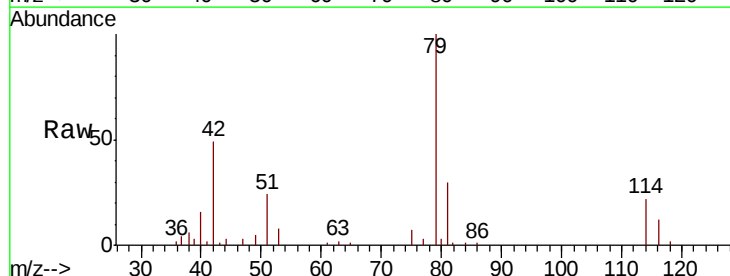
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK11

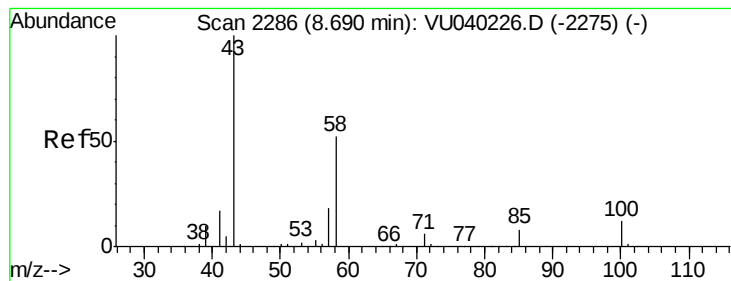
Tot Ion: 63 Resp: 5793  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.2 4.8#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.074 ug/L  
 RT: 8.19 min Scan# 2129  
 Delta R.T. -0.03 min  
 Lab File: VU040227.D  
 Acq: 21 Sep 2020 11:10

Tgt Ion: 75 Resp: 1192  
 Ion Ratio Lower Upper  
 75 100  
 77 46.1 23.9 44.3#





#48

2-Hexanone

Concen: 2.110 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040227.D

Acq: 21 Sep 2020 11:10

Instrument :

MSVOA\_U

ClientSampleId :

VBLK11

Tot Ion: 43 Resp: 14932

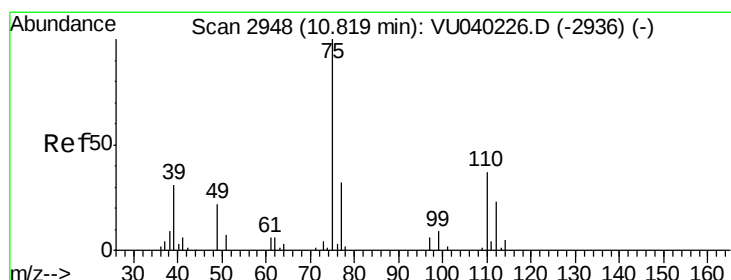
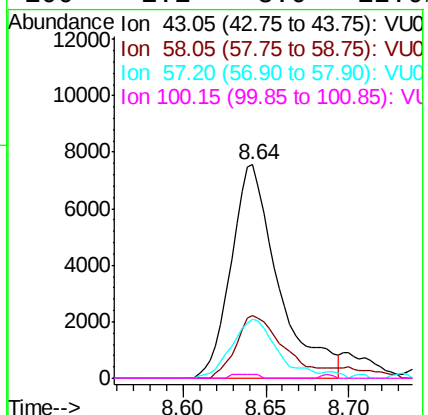
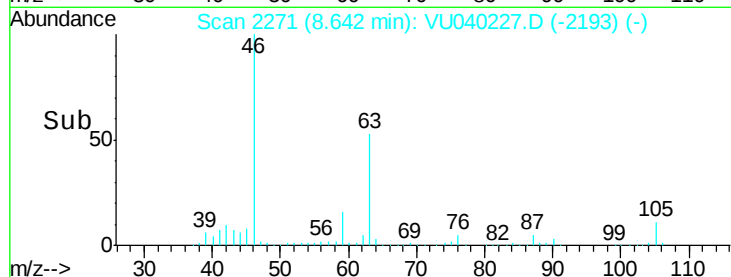
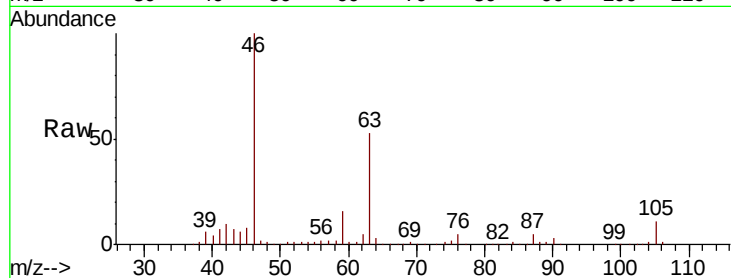
Ion Ratio Lower Upper

43 100

58 29.4 39.6 59.4#

57 26.8 14.3 21.5#

100 1.1 8.0 12.0#



#59

1,2,3-Trichloropropane

Concen: 0.932 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU040227.D

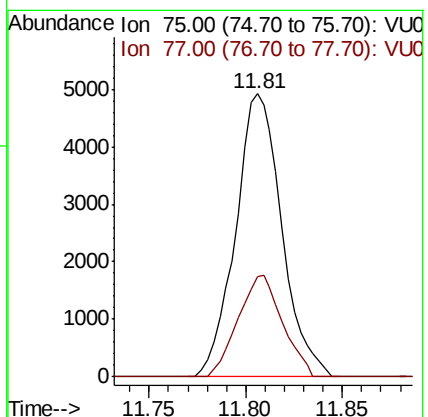
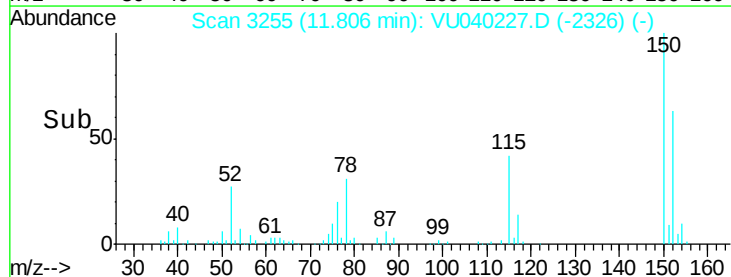
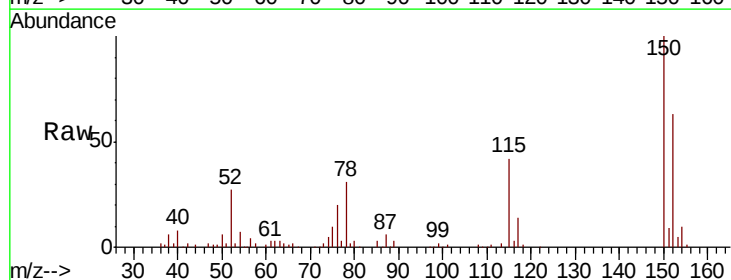
Acq: 21 Sep 2020 11:10

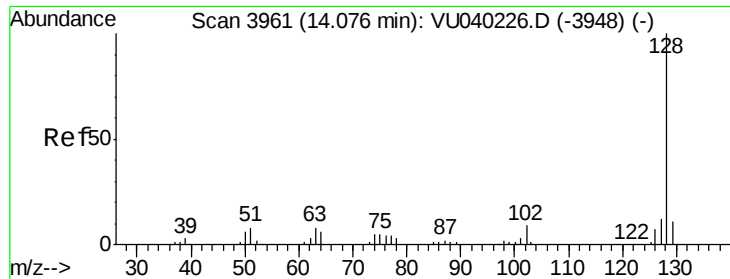
Tgt Ion: 75 Resp: 8166

Ion Ratio Lower Upper

75 100

77 34.5 24.9 37.3





#69

Naphthalene

Concen: 0.049 ug/L

RT: 14.08 min Scan# 3963

Delta R.T. 0.01 min

Lab File: VU040227.D

Acq: 21 Sep 2020 11:10

Instrument :

MSVOA\_U

ClientSampleId :

VBLK11

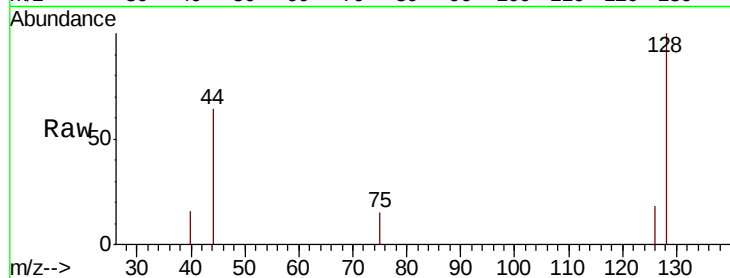
Tot Ion:128 Resp: 1134

Ion Ratio Lower Upper

128 100

129 0.0 8.7 13.1#

127 0.0 10.7 16.1#



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

800

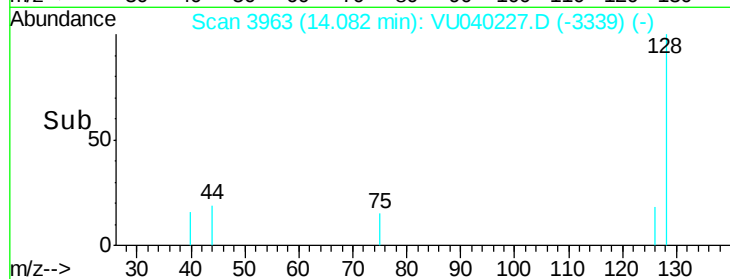
600

400

200

0

14.08



Time-->