

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101520\  
 Data File : VU040717.D  
 Acq On : 15 Oct 2020 13:59  
 Operator : SY/MD  
 Sample : L4401-12  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK01

Quant Time: Oct 16 04:32:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 16 04:23:22 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 110526   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 115723   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 49785    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 43481    | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.00%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 38865    | 5.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 110.00% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 68704    | 3.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 76.80%  |
| 20) 2-Butanone-d5              | 4.65   | 46    | 173392   | 59.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 118.32% |
| 24) Chloroform-d               | 5.08   | 84    | 89968    | 5.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 112.00% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 56390    | 5.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 115.20% |
| 32) Benzene-d6                 | 5.74   | 84    | 166379   | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.60% |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 57156    | 5.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 110.40% |
| 41) Toluene-d8                 | 7.91   | 98    | 132427   | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.80%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 21302    | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 97.00%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 119756   | 52.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 105.88% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 50161    | 5.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 108.00% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 54014    | 5.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 117.00% |

## Target Compounds

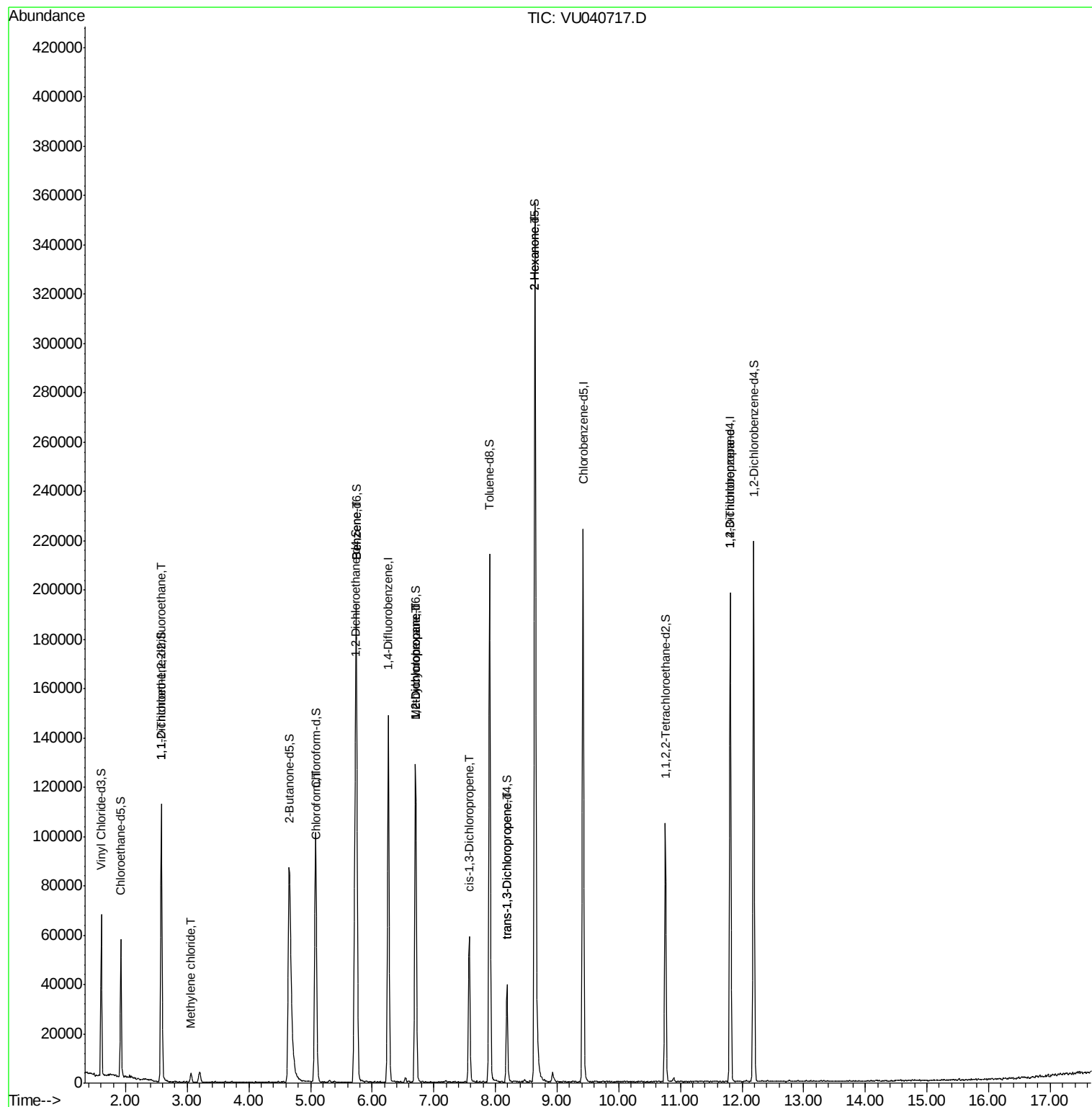
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.58  | 101  | 472      | 0.051 | ug/L # | 20     |
| 16) Methylene chloride         | 3.06  | 84   | 1551     | 0.153 | ug/L   | 92     |
| 25) Chloroform                 | 5.10  | 83   | 2401     | 0.138 | ug/L   | 89     |
| 33) Benzene                    | 5.74  | 78   | 1295     | 0.035 | ug/L   | 100    |
| 35) Methylcyclohexane          | 6.70  | 83   | 13794    | 1.009 | ug/L # | 14     |
| 37) 1,2-Dichloropropane        | 6.70  | 63   | 6667     | 0.644 | ug/L # | 87     |
| 39) cis-1,3-Dichloropropene    | 7.57  | 75   | 1712     | 0.121 | ug/L # | 75     |
| 44) trans-1,3-Dichloropropene  | 8.19  | 75   | 977      | 0.075 | ug/L   | 98     |
| 48) 2-Hexanone                 | 8.64  | 43   | 16741    | 2.723 | ug/L # | 72     |
| 59) 1,2,3-Trichloropropane     | 11.81 | 75   | 6683     | 0.878 | ug/L   | 93     |

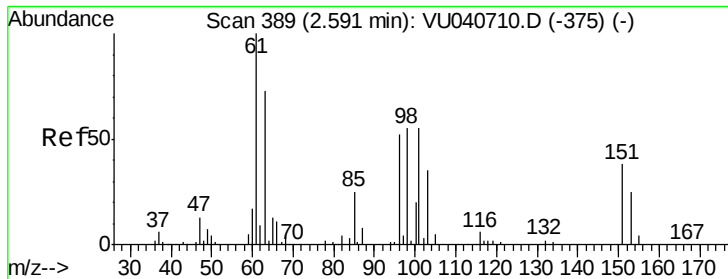
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L4401-12  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

Quant Time: Oct 16 04:32:05 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Oct 16 04:23:22 2020  
Response via : Initial Calibration





#10

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

Concen: 0.051 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040717.D

Acq: 15 Oct 2020 13:59

Instrument :

MSVOA\_U

ClientSampleId :

VHBLK01

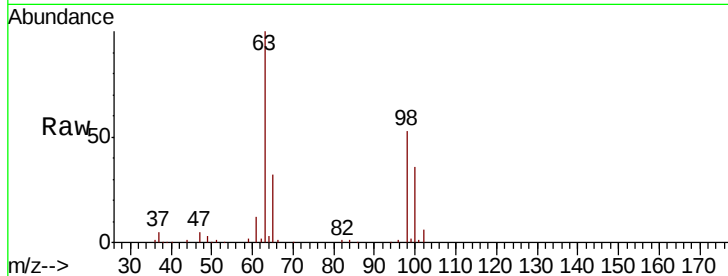
Tot Ion:101 Resp: 472

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

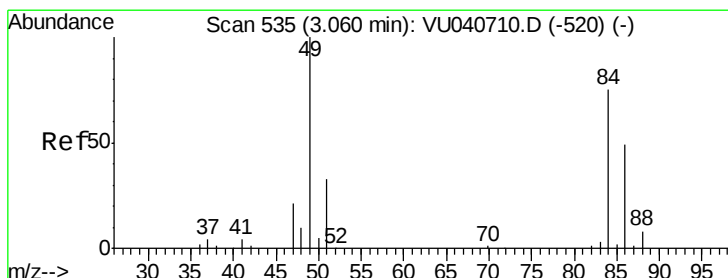
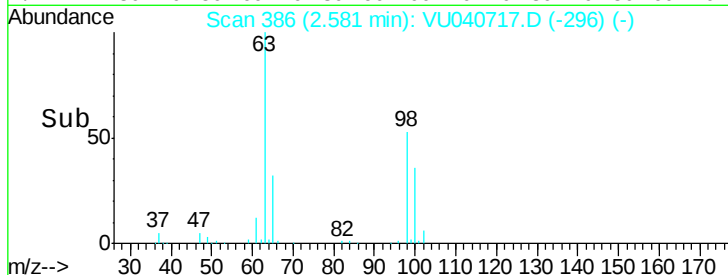
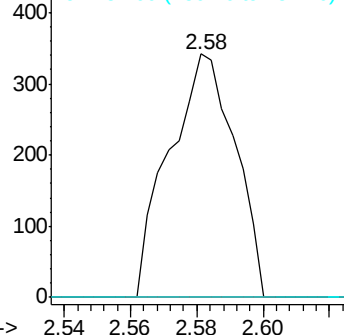
151 0.0 58.0 87.0#



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



#16

Methylene chloride

Concen: 0.153 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040717.D

Acq: 15 Oct 2020 13:59

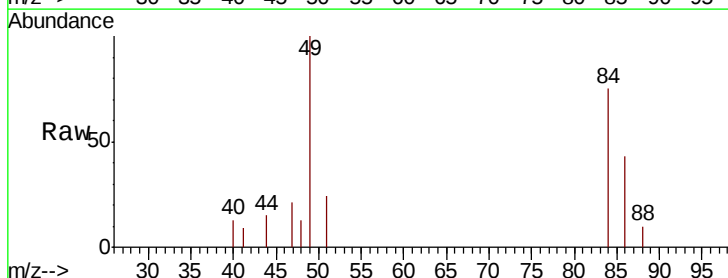
Tgt Ion: 84 Resp: 1551

Ion Ratio Lower Upper

84 100

86 57.4 45.4 84.4

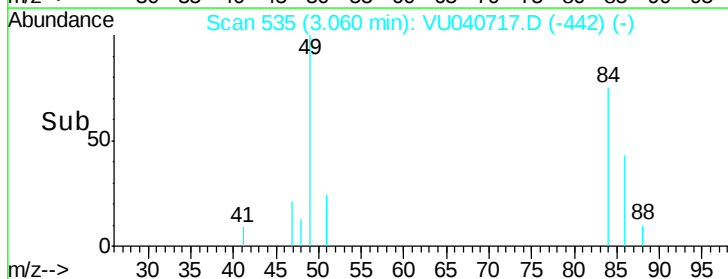
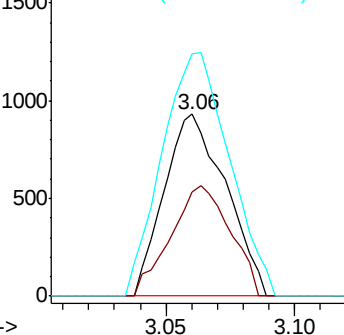
49 133.0 99.8 185.3

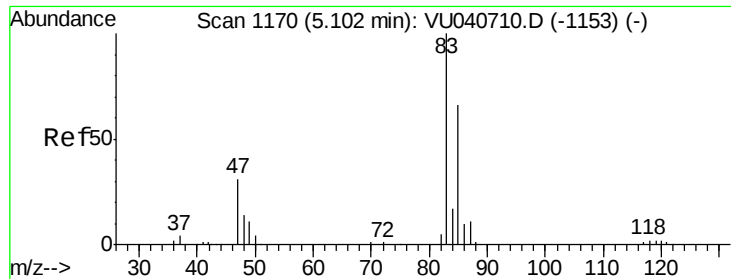


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

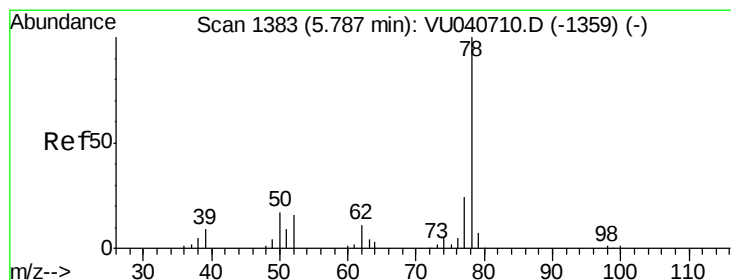
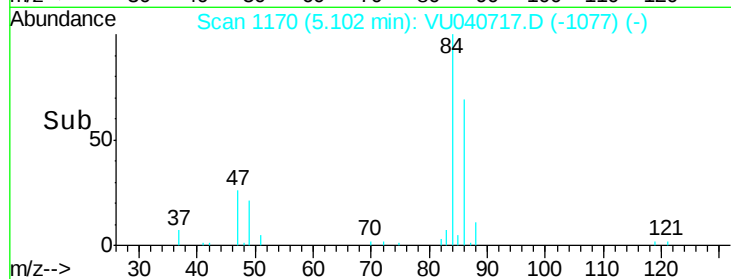
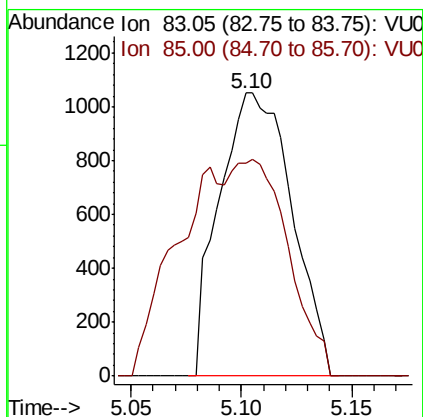
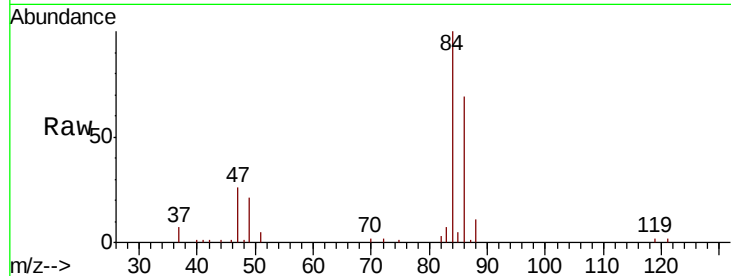




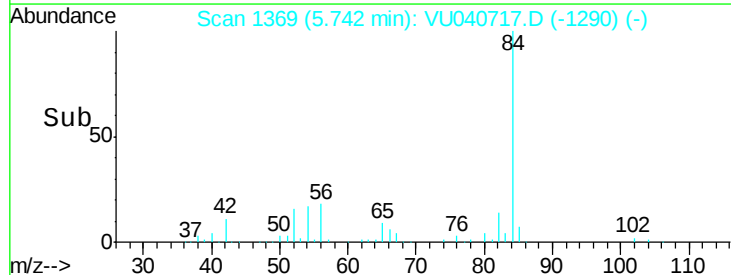
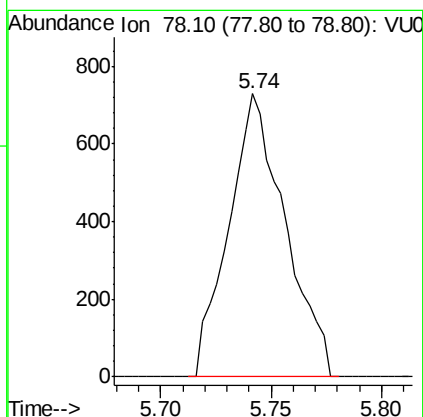
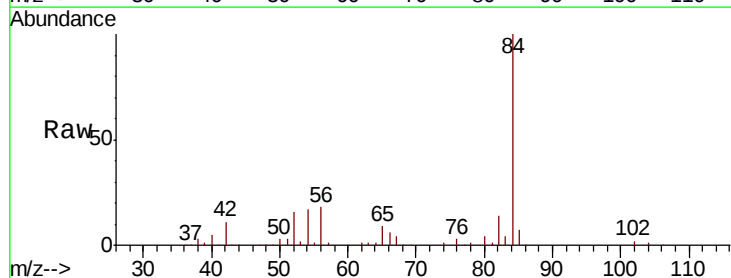
#25  
Chloroform  
Concen: 0.138 ug/L  
RT: 5.10 min Scan# 1170  
Delta R.T. -0.00 min  
Lab File: VU040717.D  
Acq: 15 Oct 2020 13:59

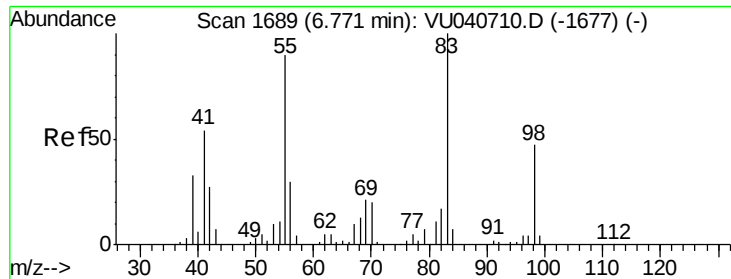
Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

Tot Ion: 83 Resp: 2401  
Ion Ratio Lower Upper  
83 100  
85 75.3 46.5 86.5



#33  
Benzene  
Concen: 0.035 ug/L  
RT: 5.74 min Scan# 1369  
Delta R.T. -0.05 min  
Lab File: VU040717.D  
Acq: 15 Oct 2020 13:59  
Tgt Ion: 78 Resp: 1295

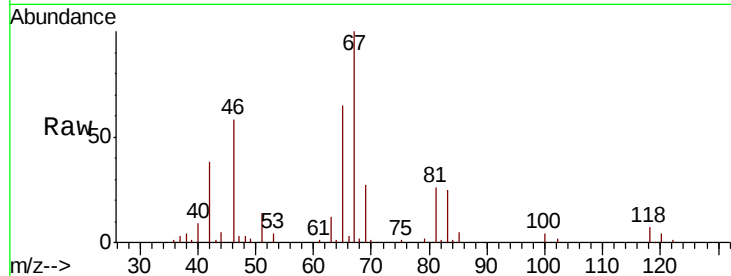




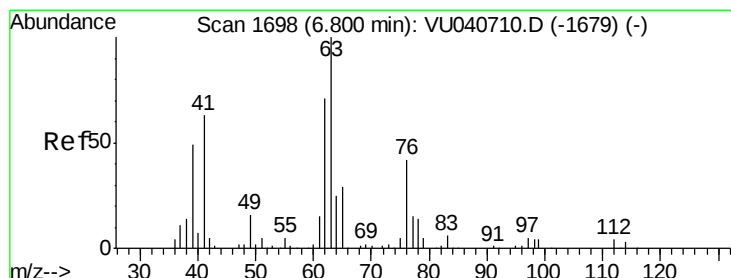
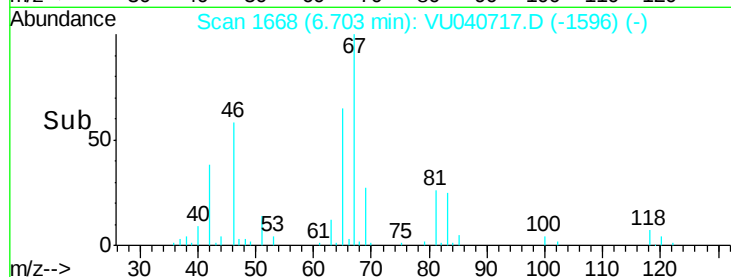
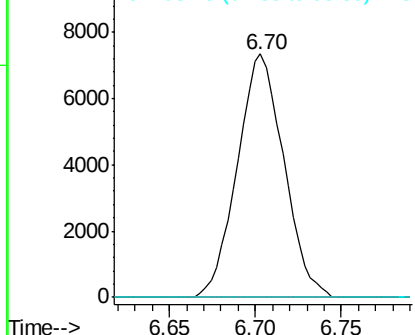
#35  
Methvlcvclohexane  
Concen: 1.009 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU040717.D  
Acq: 15 Oct 2020 13:59

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

Tot Ion: 83 Resp: 13794  
Ion Ratio Lower Upper  
83 100  
55 0.0 70.7 106.1#  
98 1.4 38.4 57.6#

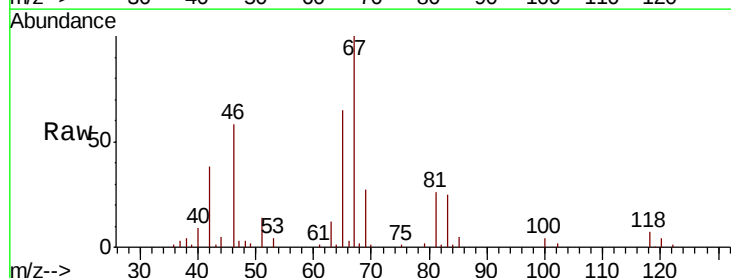


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

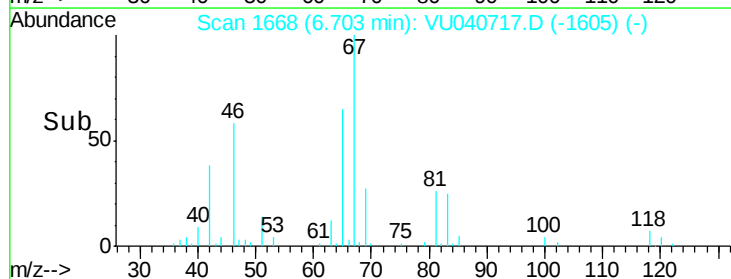
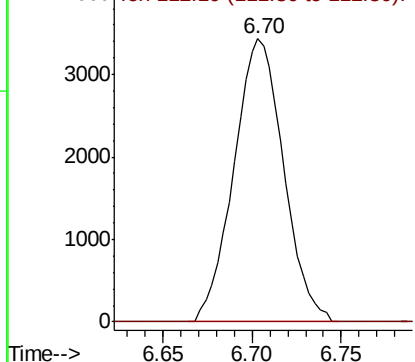


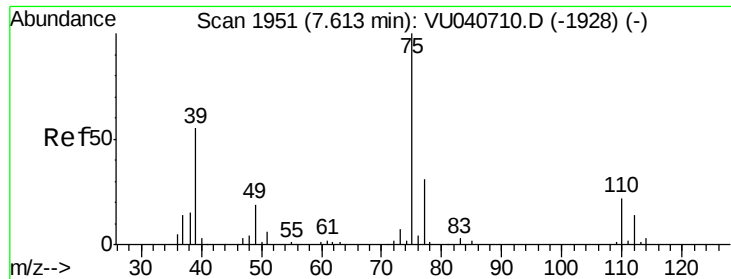
#37  
1,2-Dichloropropane  
Concen: 0.644 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.10 min  
Lab File: VU040717.D  
Acq: 15 Oct 2020 13:59

Tgt Ion: 63 Resp: 6667  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V

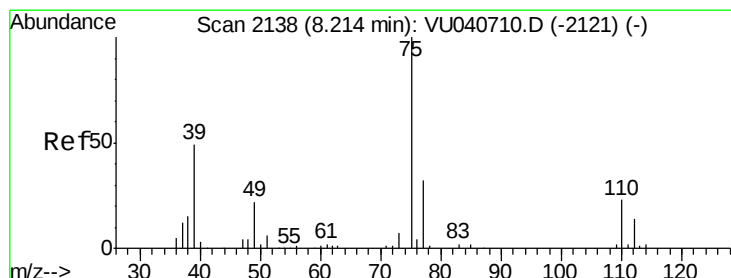
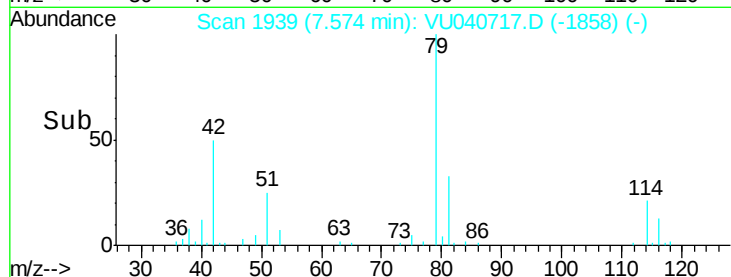
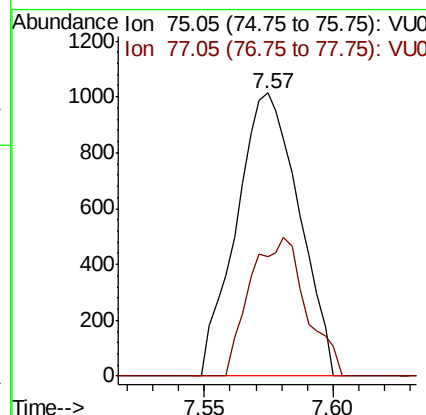
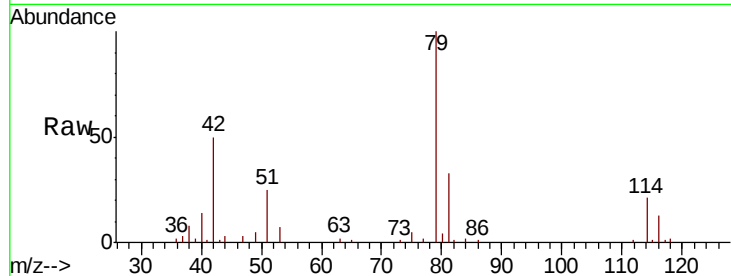




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.121 ug/L  
 RT: 7.57 min Scan# 1939  
 Delta R.T. -0.04 min  
 Lab File: VU040717.D  
 Acq: 15 Oct 2020 13:59

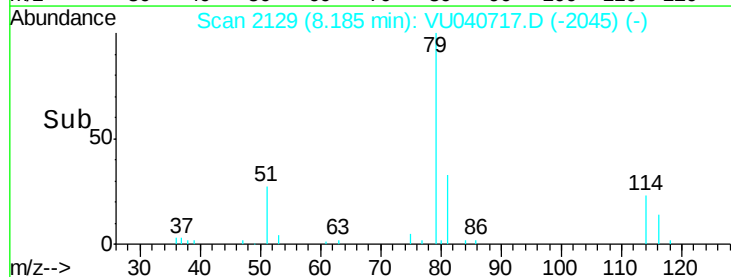
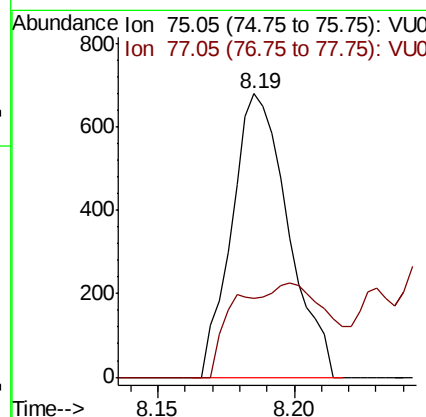
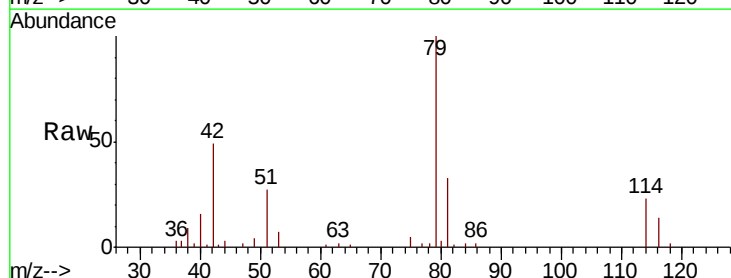
Instrument :  
 MSVOA\_U  
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 VHBLK01

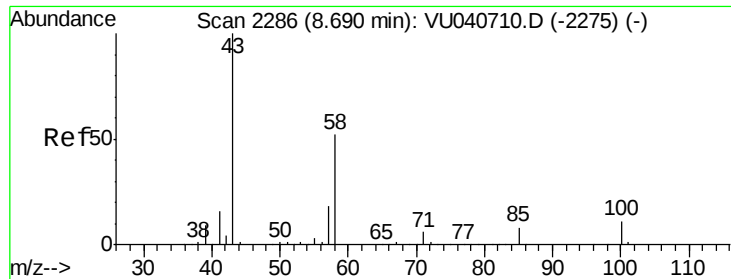
Tot Ion: 75 Resp: 1712  
 Ion Ratio Lower Upper  
 75 100  
 77 42.4 20.5 38.1#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.075 ug/L  
 RT: 8.19 min Scan# 2129  
 Delta R.T. -0.03 min  
 Lab File: VU040717.D  
 Acq: 15 Oct 2020 13:59

Tgt Ion: 75 Resp: 977  
 Ion Ratio Lower Upper  
 75 100  
 77 27.9 20.4 38.0

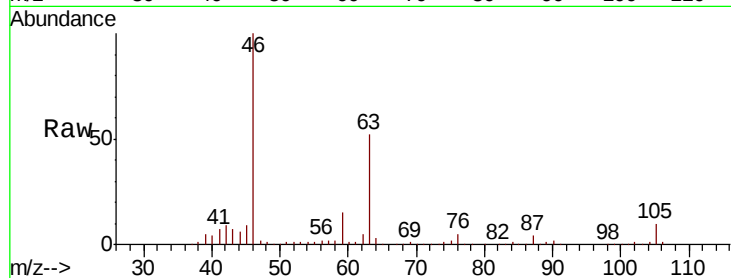




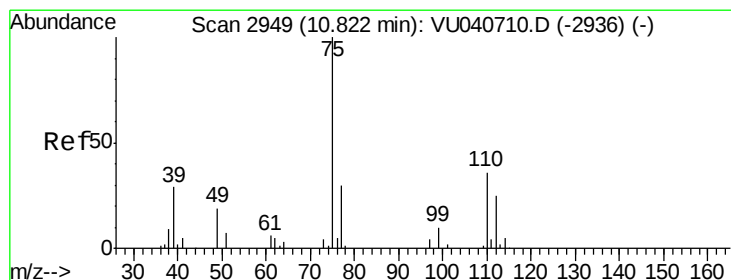
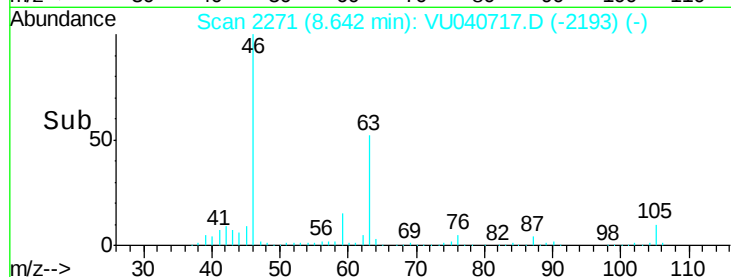
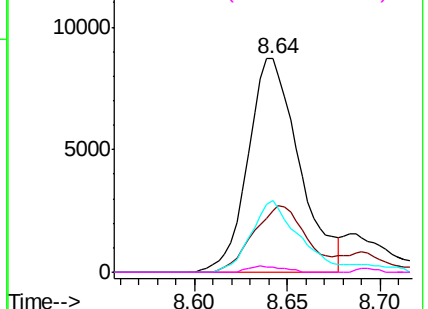
#48  
2-Hexanone  
Concen: 2.723 ug/L  
RT: 8.64 min Scan# 2271  
Delta R.T. -0.05 min  
Lab File: VU040717.D  
Acq: 15 Oct 2020 13:59

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

Tot Ion: 43 Resp: 16741  
Ion Ratio Lower Upper  
43 100  
58 32.3 41.0 61.6#  
57 31.6 14.4 21.6#  
100 2.0 8.6 13.0#

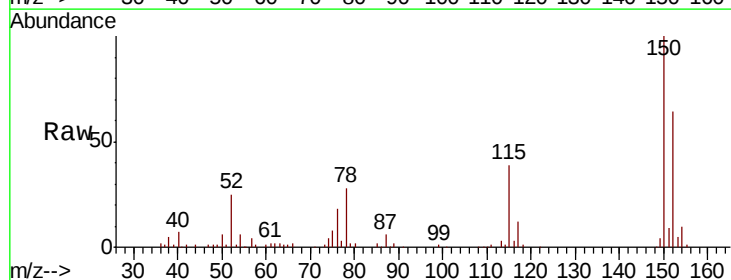


Abundance Ion 43.05 (42.75 to 43.75): VU040717.D (-2275) (-)  
Ion 58.05 (57.75 to 58.75): VU040717.D (-2275) (-)  
Ion 57.20 (56.90 to 57.90): VU040717.D (-2275) (-)  
Ion 100.15 (99.85 to 100.85): VU040717.D (-2275) (-)



#59  
1,2,3-Trichloropropane  
Concen: 0.878 ug/L  
RT: 11.81 min Scan# 3256  
Delta R.T. 0.99 min  
Lab File: VU040717.D  
Acq: 15 Oct 2020 13:59

Tgt Ion: 75 Resp: 6683  
Ion Ratio Lower Upper  
75 100  
77 37.2 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040717.D (-3227) (-)  
Ion 77.00 (76.70 to 77.70): VU040717.D (-3227) (-)

