

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112420\  
 Data File : VU041415.D  
 Acq On : 24 Nov 2020 13:45  
 Operator : SY/MD  
 Sample : L4849-06DL 20X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H4411DL

Quant Time: Nov 25 08:09:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR112320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Nov 25 07:37:29 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 65092    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 67632    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 29652    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 18702    | 4.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 81.80%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 14432    | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 30154    | 3.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.20%  |
| 20) 2-Butanone-d5              | 4.65   | 46    | 72438    | 62.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 124.30% |
| 24) Chloroform-d               | 5.08   | 84    | 41154    | 4.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 28097    | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.60% |
| 32) Benzene-d6                 | 5.74   | 84    | 70101    | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 24984    | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.80%  |
| 41) Toluene-d8                 | 7.91   | 98    | 64072    | 4.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 82.00%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 11546    | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 96.60%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 45365    | 58.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 116.02% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 23813    | 5.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 111.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 25768    | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 104.40% |

## Target Compounds

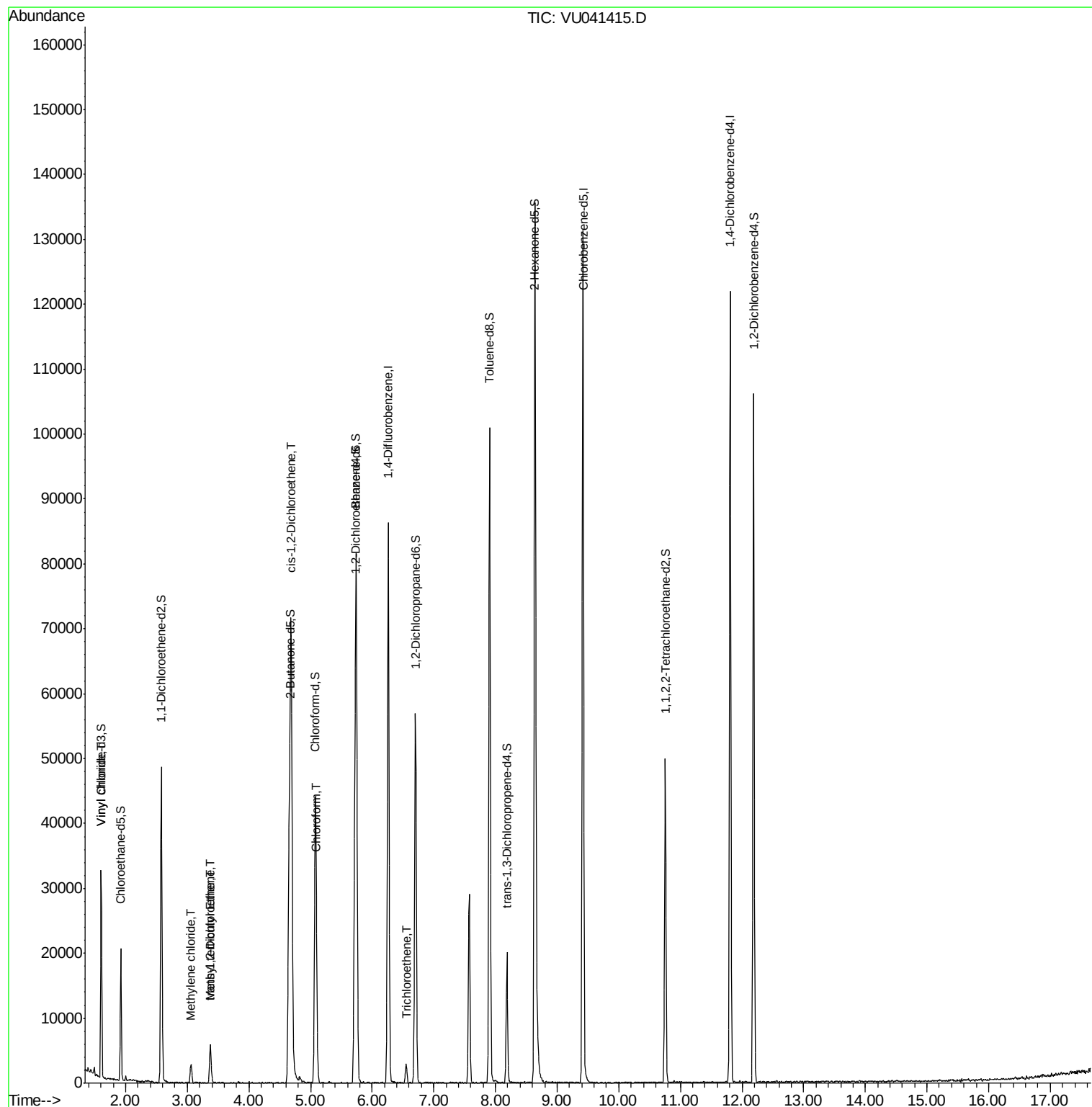
| Target Compounds             | R.T. | QIon | Response | Conc  | Units | Ovalue |
|------------------------------|------|------|----------|-------|-------|--------|
| 5) Vinyl chloride            | 1.61 | 62   | 2649     | 0.466 | ug/L  | # 79   |
| 16) Methylene chloride       | 3.06 | 84   | 1467     | 0.256 | ug/L  | 91     |
| 17) Methyl tert-butyl Ether  | 3.38 | 73   | 2822     | 0.283 | ug/L  | 94     |
| 18) trans-1,2-Dichloroethene | 3.37 | 96   | 1341     | 0.308 | ug/L  | 94     |
| 22) cis-1,2-Dichloroethene   | 4.69 | 96   | 27063    | 5.855 | ug/L  | 100    |
| 25) Chloroform               | 5.11 | 83   | 2253     | 0.237 | ug/L  | 95     |
| 34) Trichloroethene          | 6.55 | 95   | 1110     | 0.225 | ug/L  | 90     |

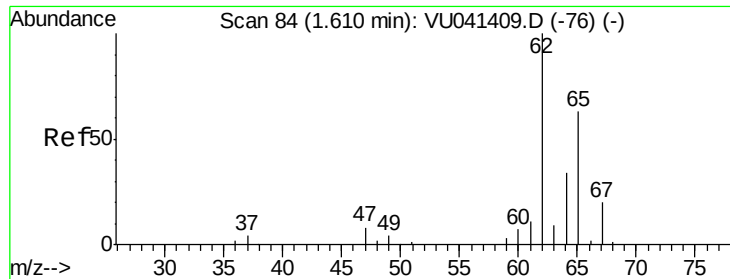
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Nov 25 07:37:29 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.466 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041415.D

Acq: 24 Nov 2020 13:45

Instrument :

MSVOA\_U

ClientSampleId :

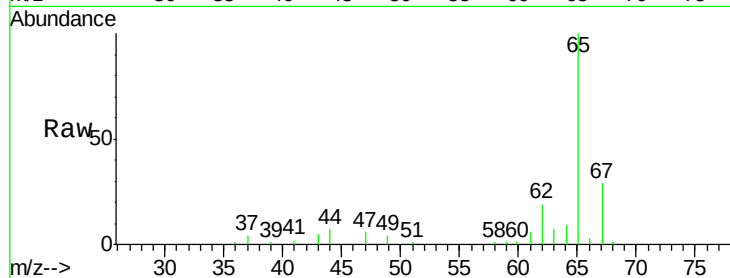
H4411DL

Tot Ion: 62 Resp: 2649

Ion Ratio Lower Upper

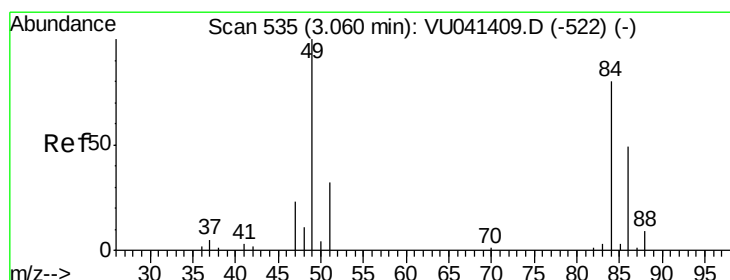
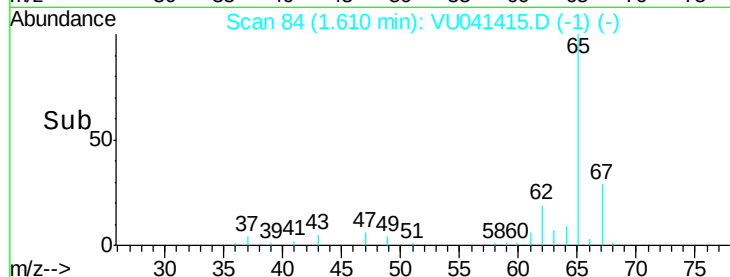
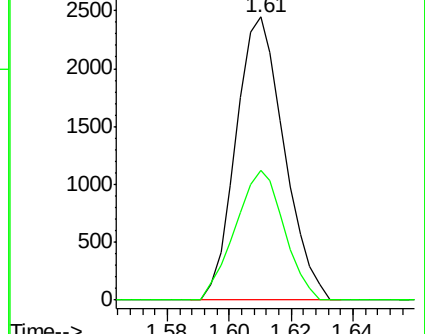
62 100

64 45.9 23.8 44.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#16

Methylene chloride

Concen: 0.256 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU041415.D

Acq: 24 Nov 2020 13:45

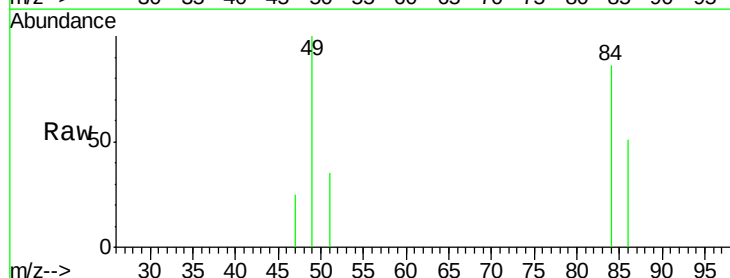
Tgt Ion: 84 Resp: 1467

Ion Ratio Lower Upper

84 100

86 59.1 44.4 82.5

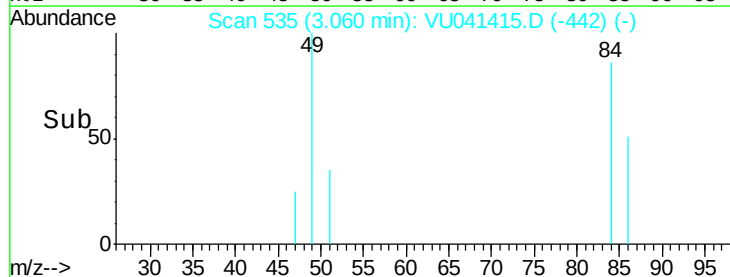
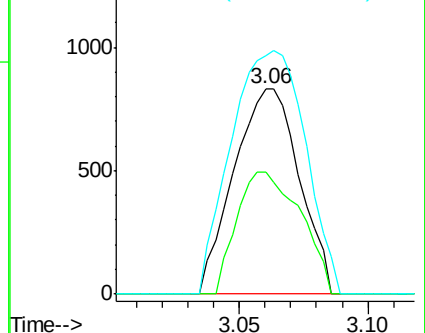
49 116.0 89.9 167.0

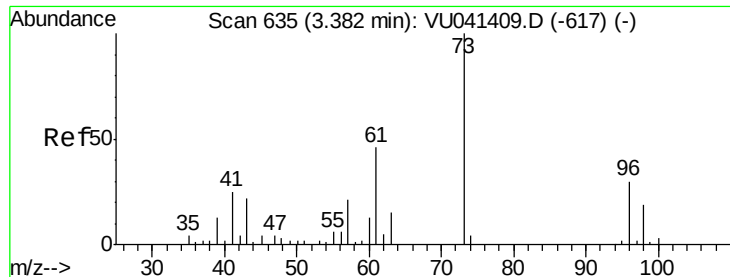


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

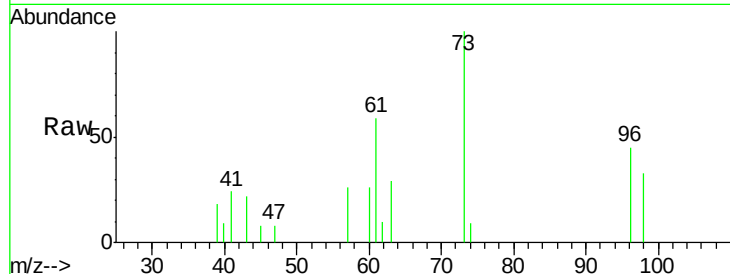




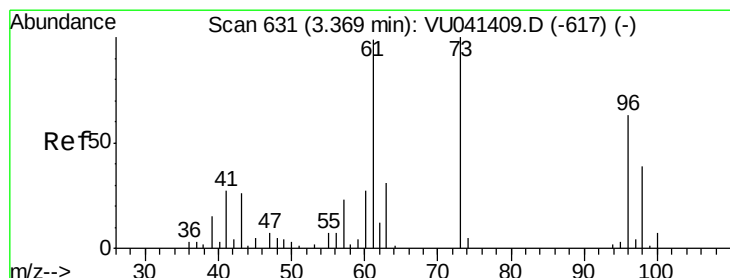
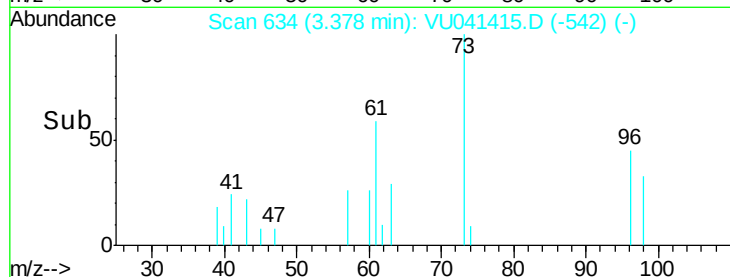
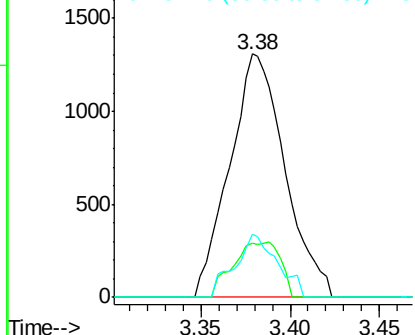
#17  
Methyl tert-butyl Ether  
Concen: 0.283 ug/L  
RT: 3.38 min Scan# 634  
Delta R.T. -0.00 min  
Lab File: VU041415.D  
Acq: 24 Nov 2020 13:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
H4411DL

Tot Ion: 73 Resp: 2822  
Ion Ratio Lower Upper  
73 100  
43 19.5 18.3 27.5  
57 19.8 17.7 26.5

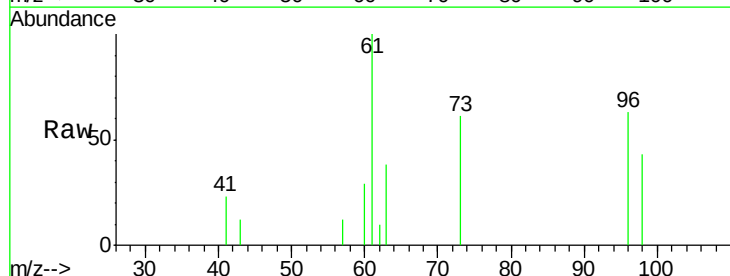


Abundance Ion 73.10 (72.80 to 73.80): VU0  
Ion 43.05 (42.75 to 43.75): VU0  
Ion 57.10 (56.80 to 57.80): VU0

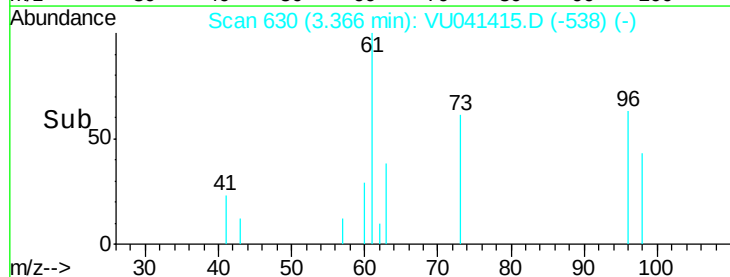
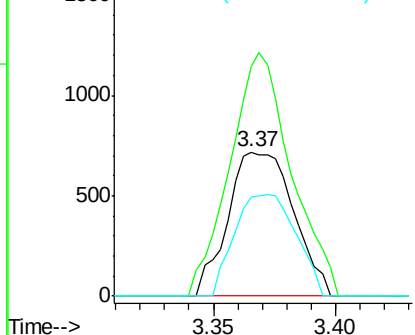


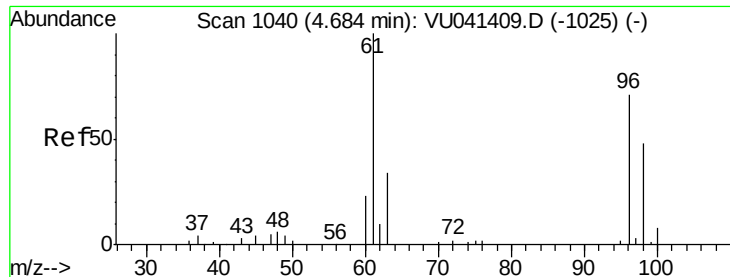
#18  
trans-1,2-Dichloroethene  
Concen: 0.308 ug/L  
RT: 3.37 min Scan# 630  
Delta R.T. -0.00 min  
Lab File: VU041415.D  
Acq: 24 Nov 2020 13:45

Tgt Ion: 96 Resp: 1341  
Ion Ratio Lower Upper  
96 100  
61 158.8 103.7 192.5  
98 68.3 47.5 88.3



Abundance Ion 96.00 (95.70 to 96.70): VU0  
Ion 61.05 (60.75 to 61.75): VU0  
Ion 97.95 (97.65 to 98.65): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.855 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041415.D

Acq: 24 Nov 2020 13:45

Instrument :

MSVOA\_U

ClientSampleId :

H4411DL

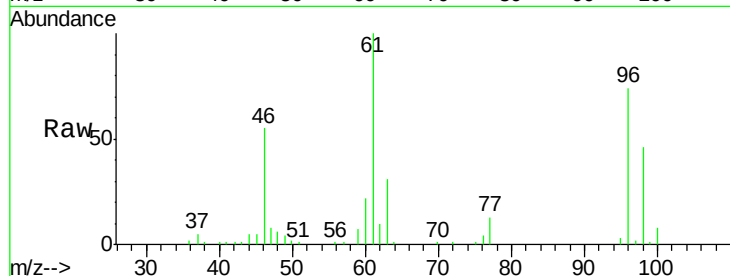
Tot Ion: 96 Resp: 27063

Ion Ratio Lower Upper

96 100

61 135.7 95.3 176.9

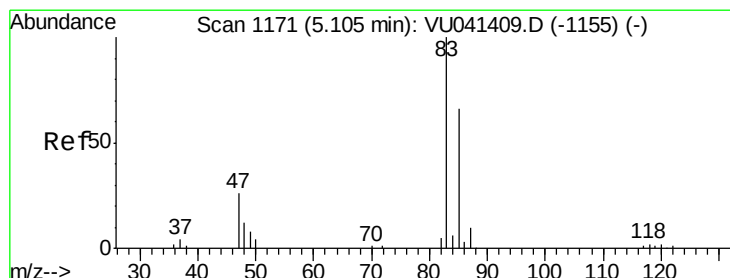
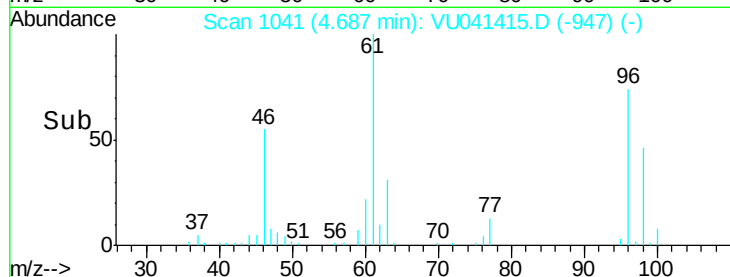
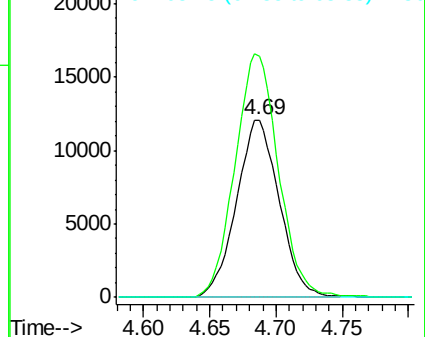
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.237 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU041415.D

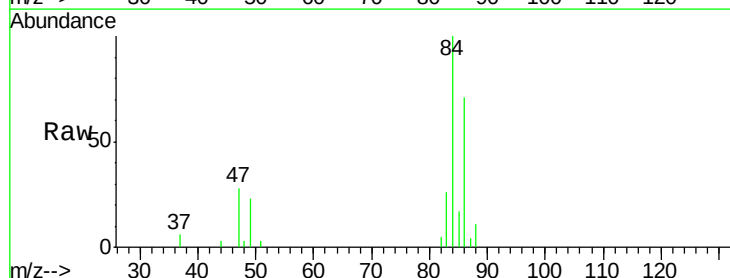
Acq: 24 Nov 2020 13:45

Tgt Ion: 83 Resp: 2253

Ion Ratio Lower Upper

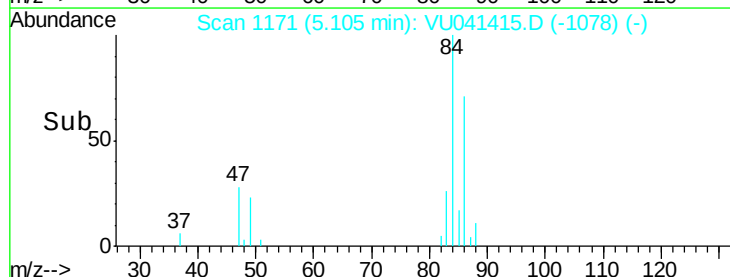
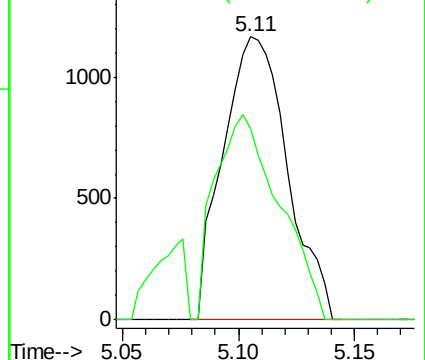
83 100

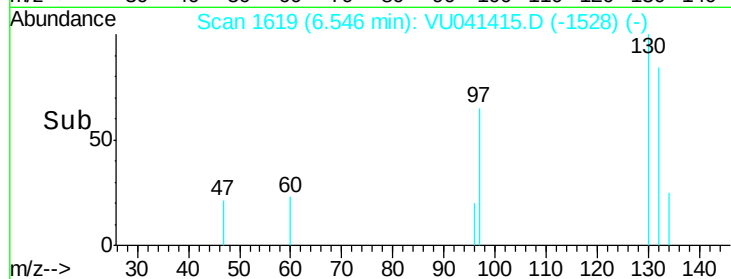
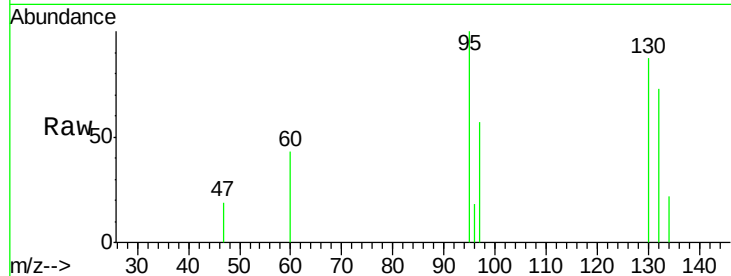
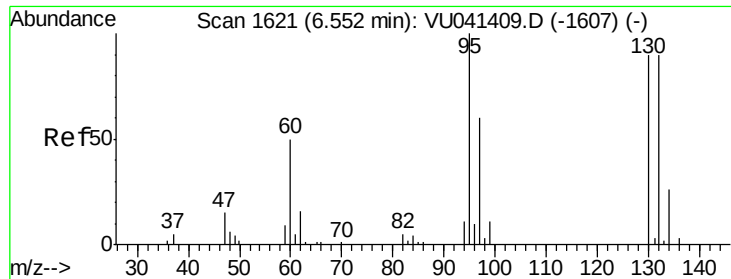
85 67.5 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 0.225 ug/L

RT: 6.55 min Scan# 1619

Delta R.T. -0.01 min

Lab File: VU041415.D

Acq: 24 Nov 2020 13:45

Instrument :

MSVOA\_U

ClientSampleId :

H4411DL

Tot Ion: 95 Resp: 1110

Ion Ratio Lower Upper

95 100

97 56.6 46.5 86.5

132 73.3 60.8 113.0

130 86.9 63.3 117.7

