

Data File : VU031606.D  
Acq On : 29 Apr 2019 23:40  
Operator : JC/SP  
Sample : K2592-09DL 250X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0X02DL

Quant Time: Apr 30 04:53:55 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 30 04:50:11 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 619437   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 612070   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 222501   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 336959   | 65.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 130.00% |
| 7) Chloroethane-d5             | 1.68    | 69    | 241640   | 60.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 120.64% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 470225   | 45.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.10%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 524647   | 111.70   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 111.70% |
| 24) Chloroform-d               | 4.87    | 84    | 192      | 0.02     | ug/L | 0.22    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 0.04%#  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 348259   | 56.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 112.28% |
| 32) Benzene-d6                 | 5.34    | 84    | 986661   | 52.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.00% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 359965   | 54.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 108.88% |
| 41) Toluene-d8                 | 7.56    | 98    | 816714   | 49.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.78%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 135936   | 47.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 95.78%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 291535   | 101.86   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 101.86% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 441501   | 49.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 99.50%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 240525   | 51.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.80% |

#### Target Compounds

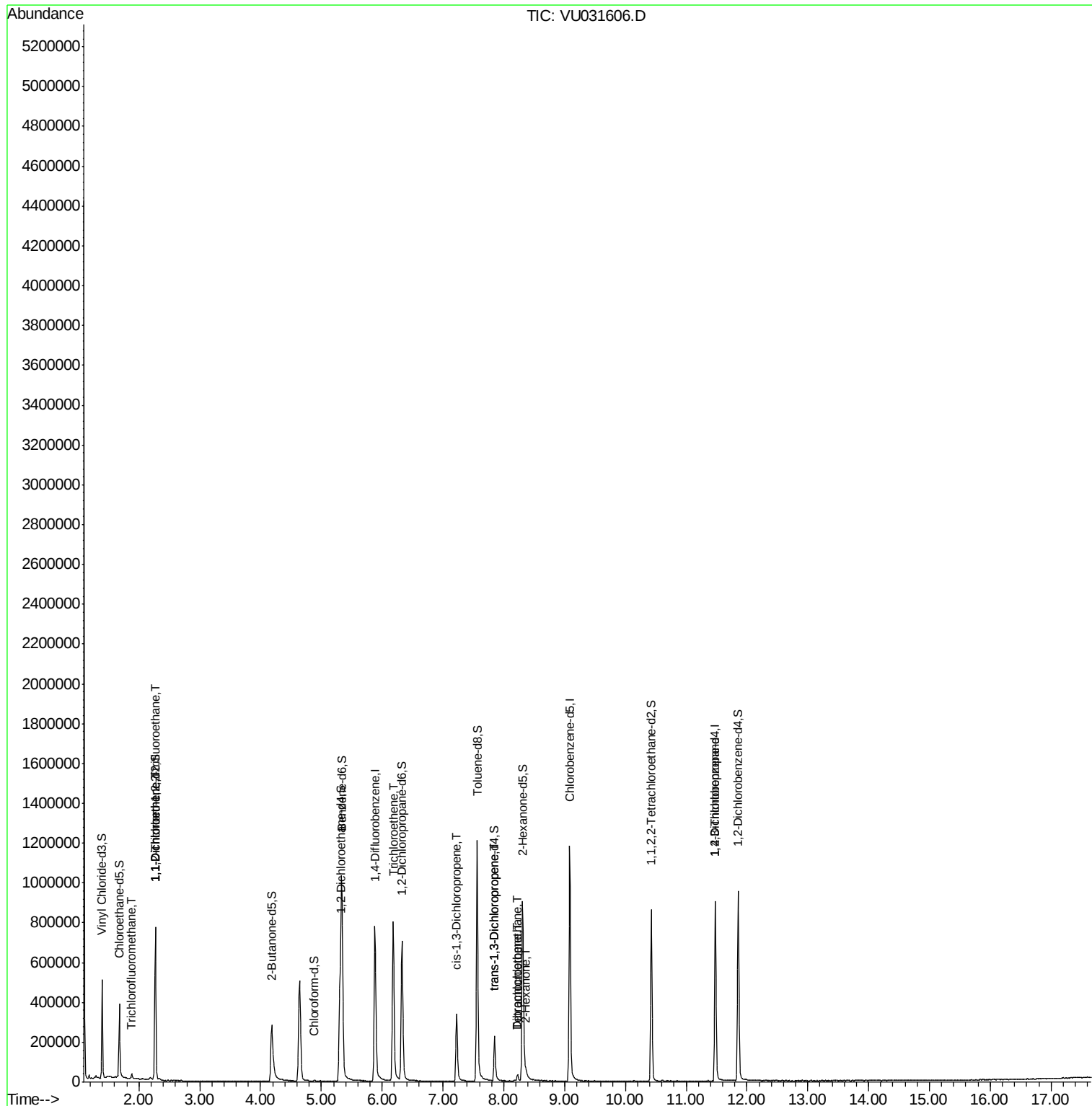
|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 9) Trichlorofluoromethane      | 1.88  | 101 | 7415   | 0.844 ug/L   | 95     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 3771   | 0.759 ug/L # | 21     |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 3201   | 0.662 ug/L # | 1      |
| 34) Trichloroethene            | 6.18  | 95  | 299852 | 54.969 ug/L  | 96     |
| 39) cis-1,3-Dichloropropene    | 7.22  | 75  | 7744   | 0.917 ug/L # | 64     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 5822   | 0.760 ug/L # | 74     |
| 46) Tetrachloroethene          | 8.23  | 164 | 7609   | 2.046 ug/L   | 93     |
| 48) 2-Hexanone                 | 8.37  | 43  | 26705  | 3.359 ug/L # | 71     |
| 49) Dibromochloromethane       | 8.23  | 129 | 7537   | 1.375 ug/L # | 11     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 32497  | 4.290 ug/L   | 94     |

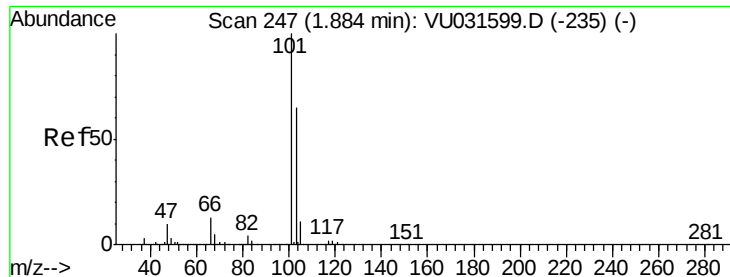
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Apr 30 04:50:11 2019  
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.844 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU031606.D

Acq: 29 Apr 2019 23:40

Instrument :

MSVOA\_U

ClientSampleId :

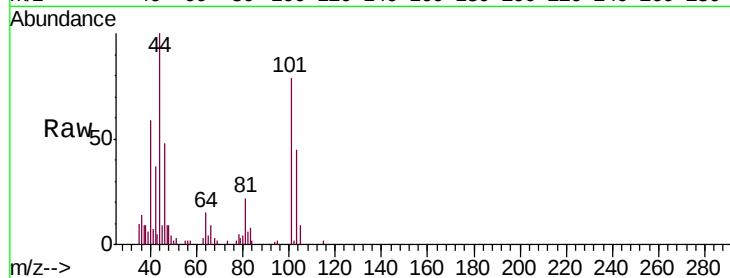
C0X02DL

Tgt Ion:101 Resp: 7415

Ion Ratio Lower Upper

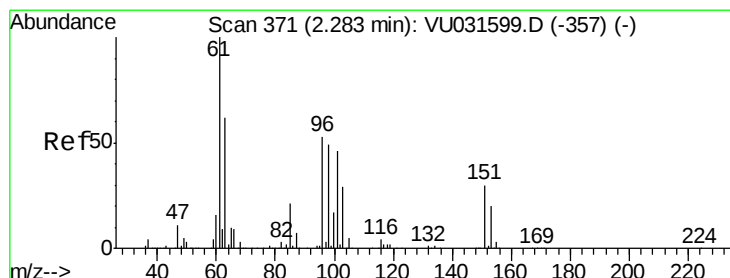
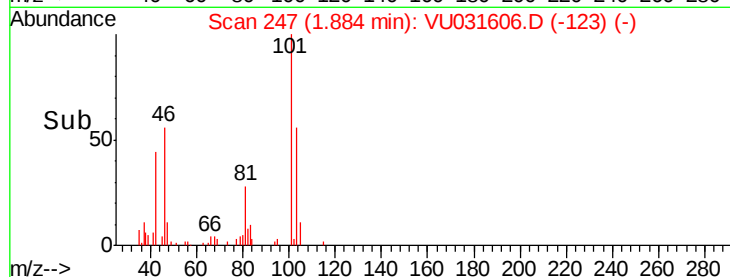
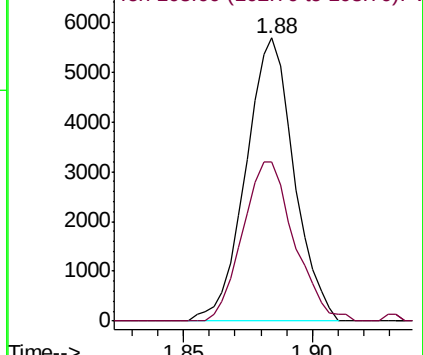
101 100

103 59.5 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.759 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031606.D

Acq: 29 Apr 2019 23:40

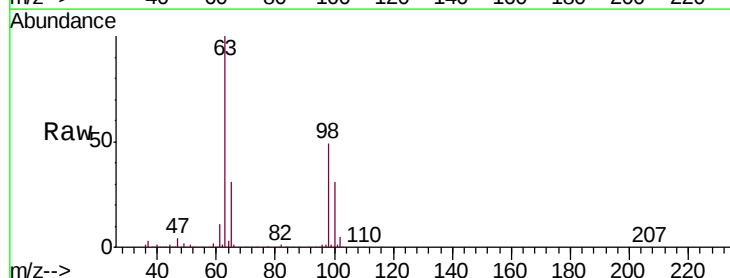
Tgt Ion:101 Resp: 3771

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

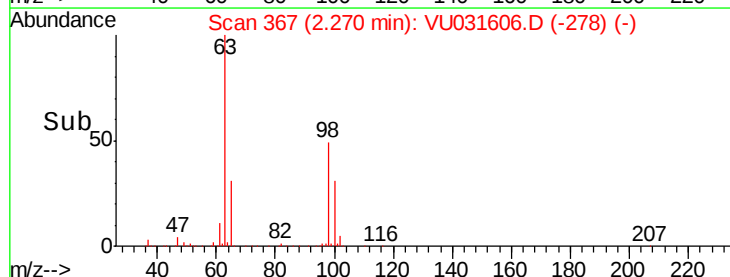
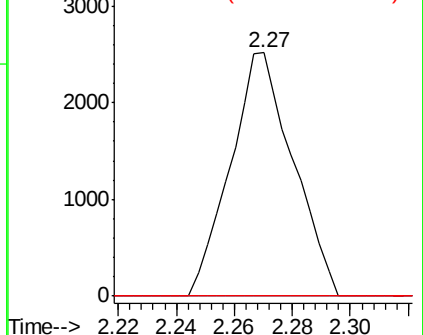
151 0.0 56.1 84.1#

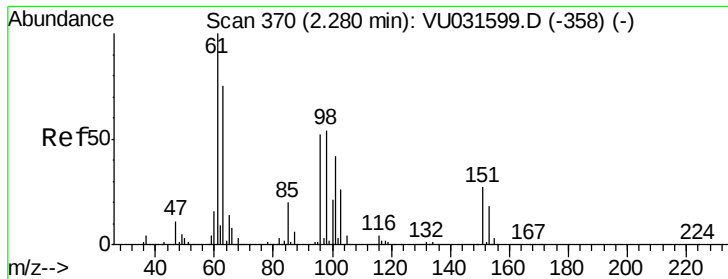


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.662 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031606.D

Acq: 29 Apr 2019 23:40

Instrument :

MSVOA\_U

ClientSampled :

C0X02DL

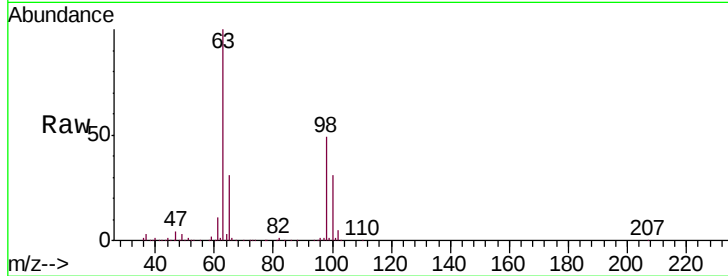
Tgt Ion: 96 Resp: 3201

Ion Ratio Lower Upper

96 100

61 1540.5 135.0 250.6#

63 13874.1 103.5 192.3#

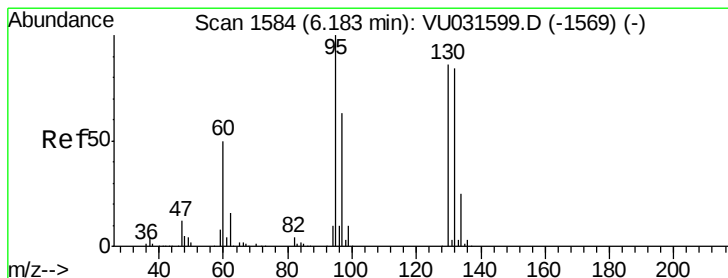
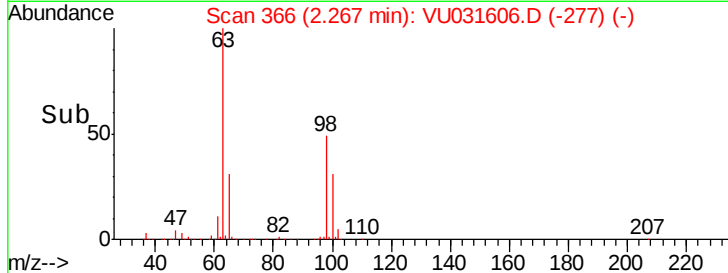
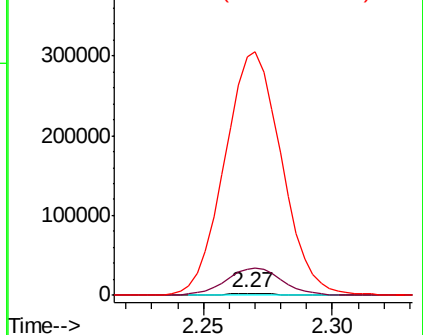


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#34

Trichloroethene

Concen: 54.969 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU031606.D

Acq: 29 Apr 2019 23:40

Tgt Ion: 95 Resp: 299852

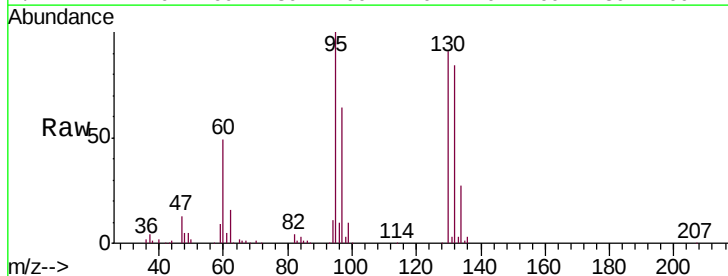
Ion Ratio Lower Upper

95 100

97 63.9 44.8 83.2

132 84.3 63.1 117.1

130 90.6 66.5 123.5



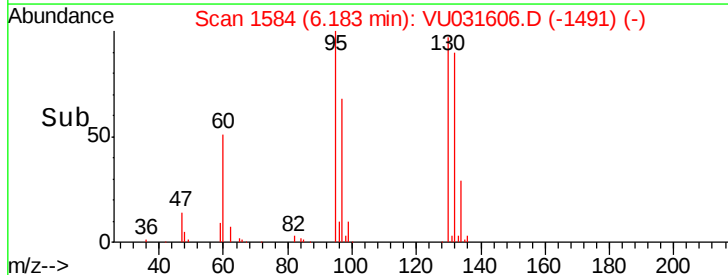
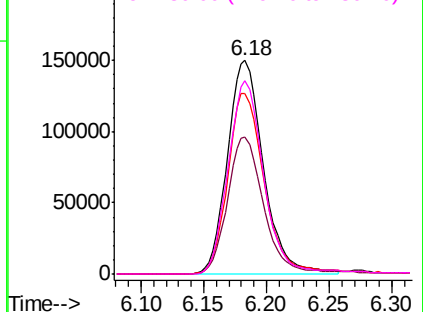
Abundance

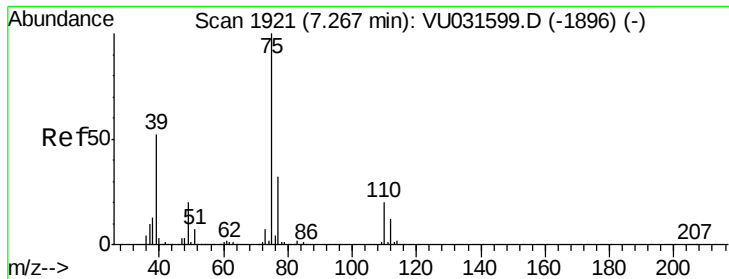
Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#39

cis-1,3-Dichloropropene

Concen: 0.917 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU031606.D

Acq: 29 Apr 2019 23:40

Instrument :

MSVOA\_U

ClientSampleId :

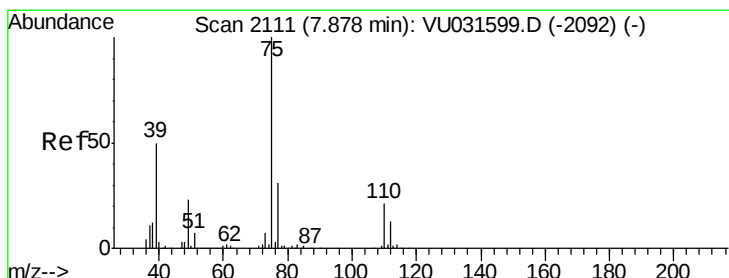
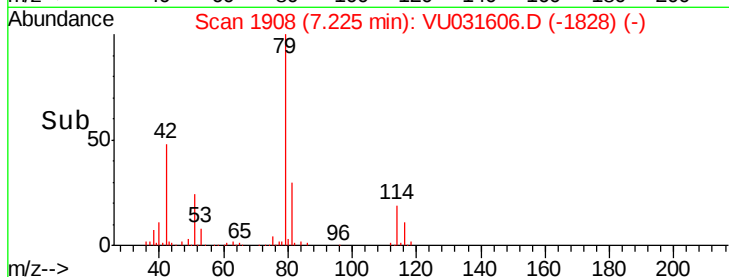
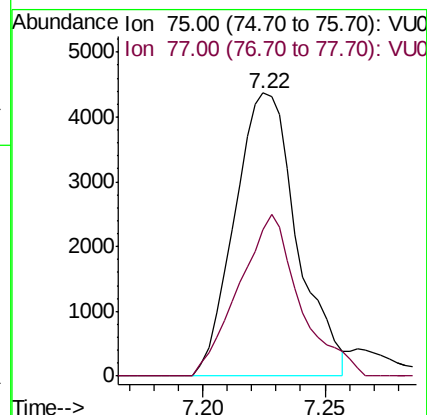
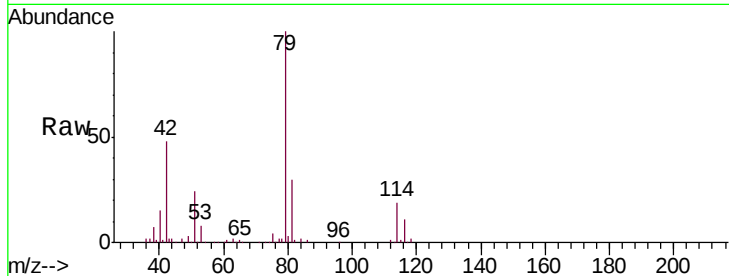
C0X02DL

Tgt Ion: 75 Resp: 7744

Ion Ratio Lower Upper

75 100

77 51.6 22.1 41.1#



#44

trans-1,3-Dichloropropene

Concen: 0.760 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU031606.D

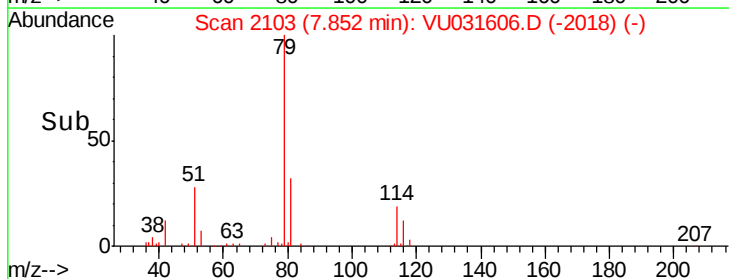
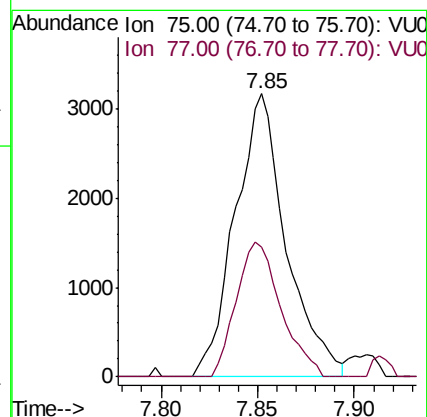
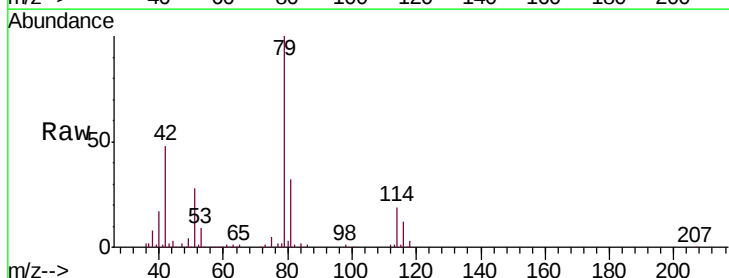
Acq: 29 Apr 2019 23:40

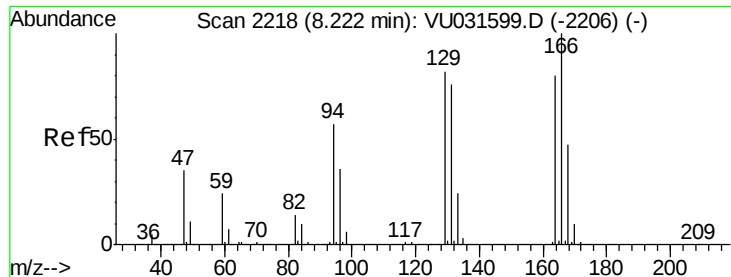
Tgt Ion: 75 Resp: 5822

Ion Ratio Lower Upper

75 100

77 46.0 22.1 41.1#

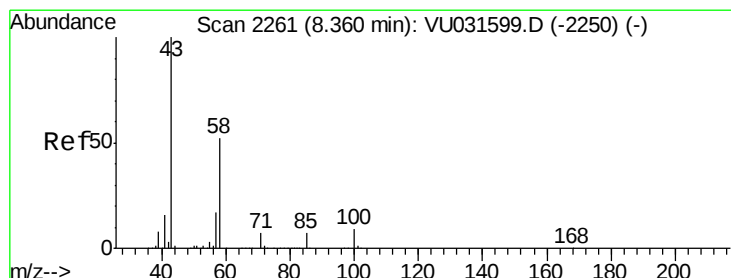
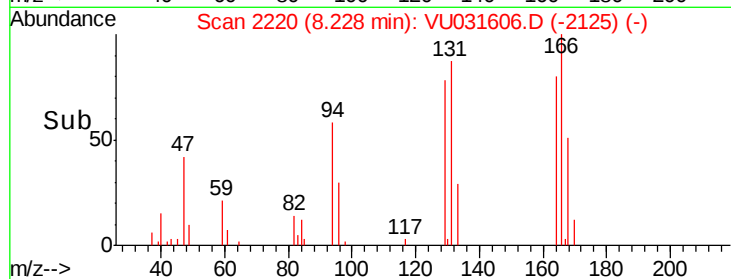
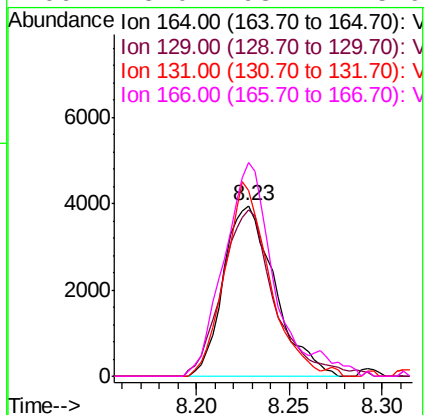
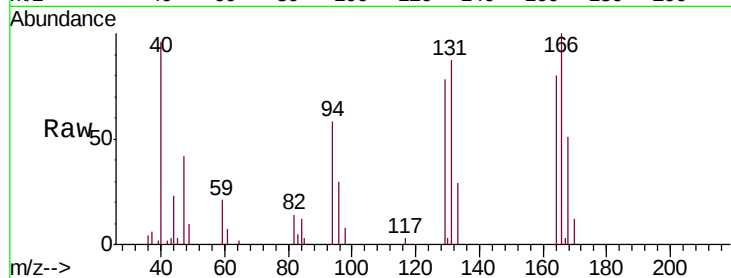




#46  
Tetrachloroethene  
Concen: 2.046 ug/L  
RT: 8.23 min Scan# 2220  
Delta R.T. 0.01 min  
Lab File: VU031606.D  
Acq: 29 Apr 2019 23:40

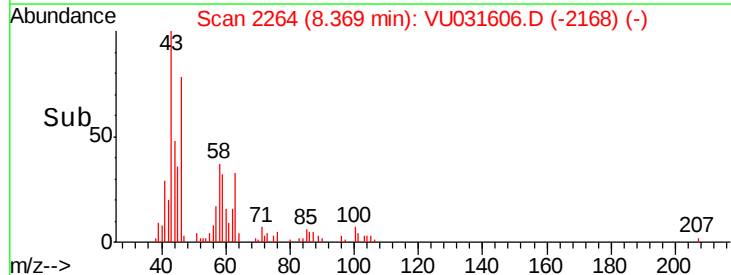
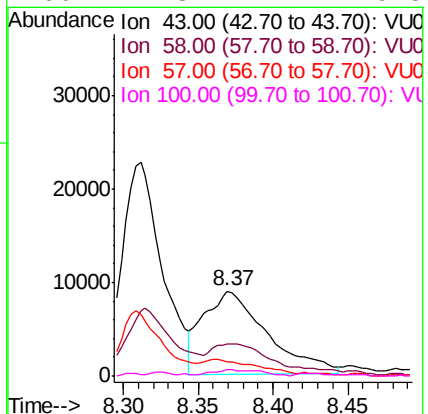
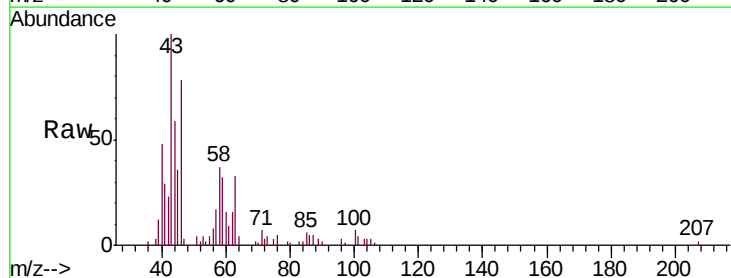
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0X02DL

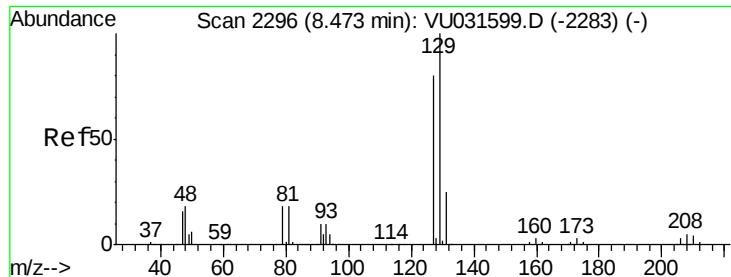
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 7609  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 97.5  | 71.5  | 132.9 |
| 131      | 108.8 | 69.0  | 128.2 |
| 166      | 125.0 | 93.7  | 173.9 |



#48  
2-Hexanone  
Concen: 3.359 ug/L  
RT: 8.37 min Scan# 2264  
Delta R.T. 0.01 min  
Lab File: VU031606.D  
Acq: 29 Apr 2019 23:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 26705 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.7  | 42.1  | 63.1# |
| 57       | 12.6  | 14.6  | 22.0# |
| 100      | 1.3   | 7.2   | 10.8# |





#49

Dibromochloromethane

Concen: 1.375 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. -0.24 min

Lab File: VU031606.D

Acq: 29 Apr 2019 23:40

Instrument :

MSVOA\_U

ClientSampleId :

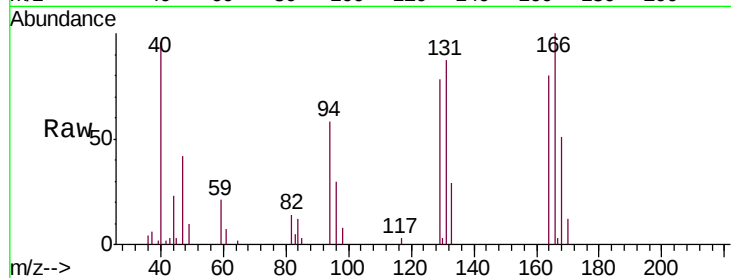
C0X02DL

Tgt Ion:129 Resp: 7537

Ion Ratio Lower Upper

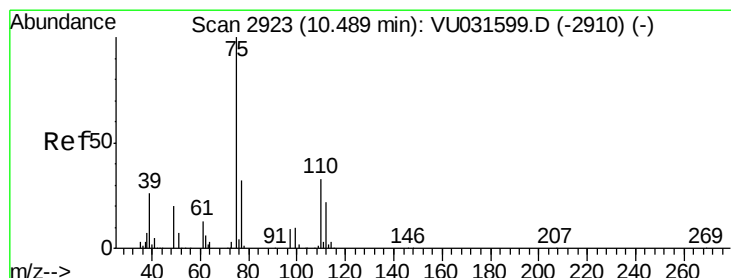
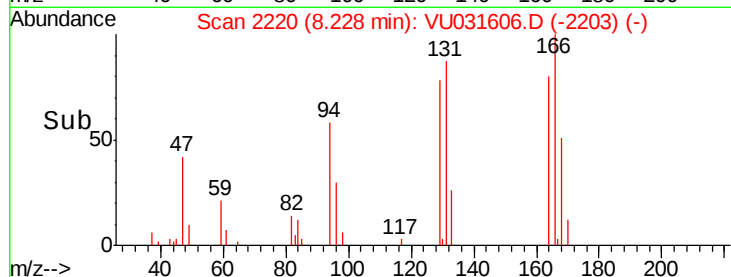
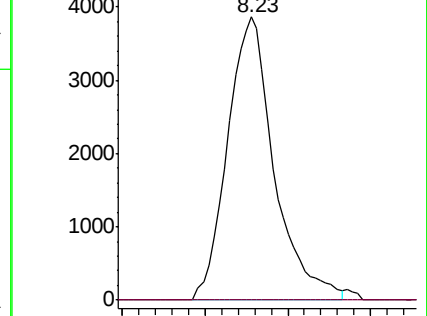
129 100

127 0.0 54.0 100.2#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 4.290 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031606.D

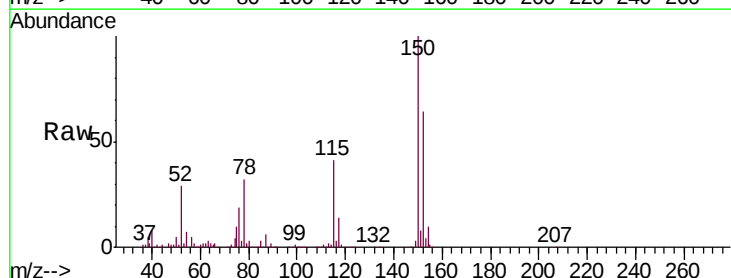
Acq: 29 Apr 2019 23:40

Tgt Ion: 75 Resp: 32497

Ion Ratio Lower Upper

75 100

77 35.8 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

