

Data File : VU031755.D  
Acq On : 03 May 2019 17:13  
Operator : JC/SP  
Sample : K2595-01 400X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0X00

Quant Time: May 04 02:41:07 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat May 04 02:35:16 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 807442   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 752575   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 293818   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 330105   | 48.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 97.70%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 260025   | 49.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 99.58%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 486463   | 36.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.30%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 616764   | 100.73   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 100.73% |
| 24) Chloroform-d               | 4.64    | 84    | 550775   | 44.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 380127   | 47.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.02%  |
| 32) Benzene-d6                 | 5.34    | 84    | 1127113  | 48.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.54%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 398594   | 49.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.04%  |
| 41) Toluene-d8                 | 7.56    | 98    | 942262   | 46.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.62%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 155282   | 44.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.98%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 378742   | 107.62   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 107.62% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 504777   | 46.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.52%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 292880   | 47.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.80%  |

#### Target Compounds

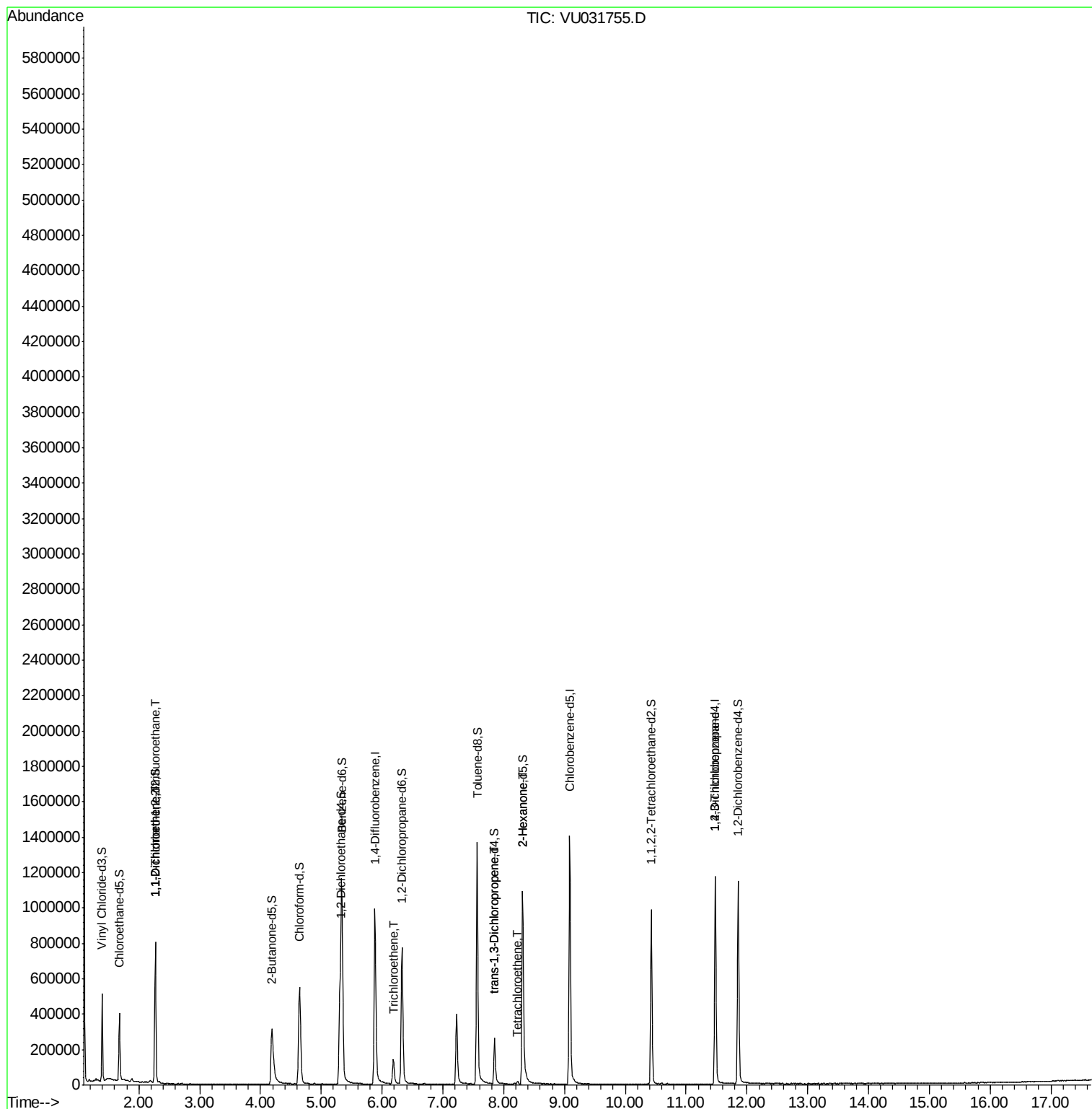
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 3791  | 0.586 ug/L # | 22     |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 3692  | 0.586 ug/L # | 1      |
| 34) Trichloroethene            | 6.19  | 95  | 51890 | 7.737 ug/L   | 94     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 6074  | 0.645 ug/L   | 86     |
| 46) Tetrachloroethene          | 8.23  | 164 | 3175  | 0.694 ug/L   | 84     |
| 48) 2-Hexanone                 | 8.31  | 43  | 49796 | 5.095 ug/L # | 74     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 40676 | 4.368 ug/L   | 92     |

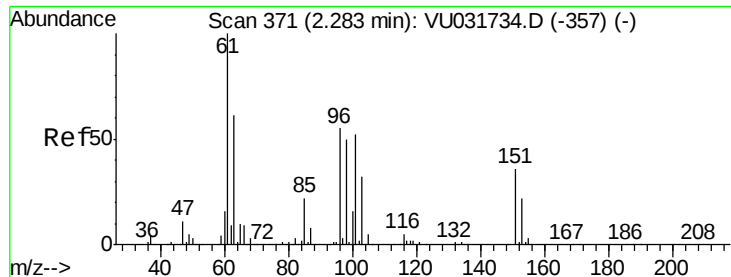
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.586 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031755.D

Acq: 03 May 2019 17:13

Instrument :

MSVOA\_U

ClientSampleId :

C0X00

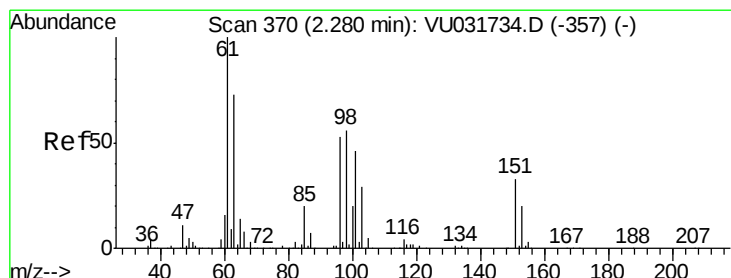
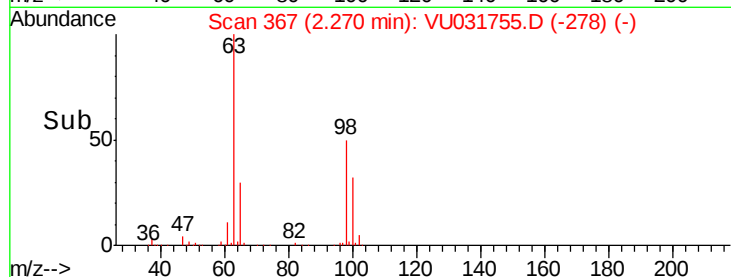
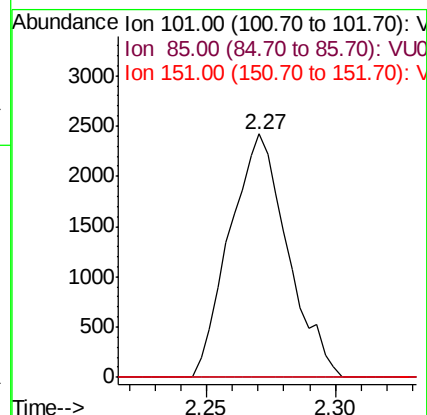
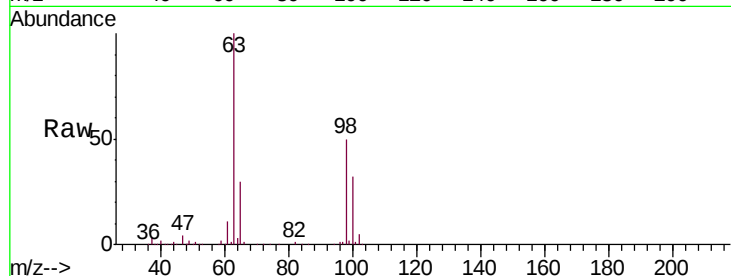
Tgt Ion: 101 Resp: 3791

Ion Ratio Lower Upper

101 100

85 1.3 36.1 54.1#

151 0.0 56.1 84.1#



#12

1,1-Dichloroethene

Concen: 0.586 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031755.D

Acq: 03 May 2019 17:13

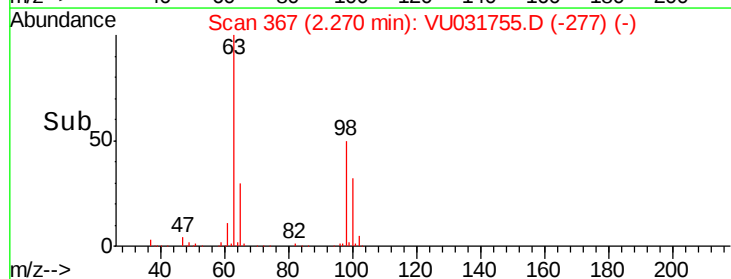
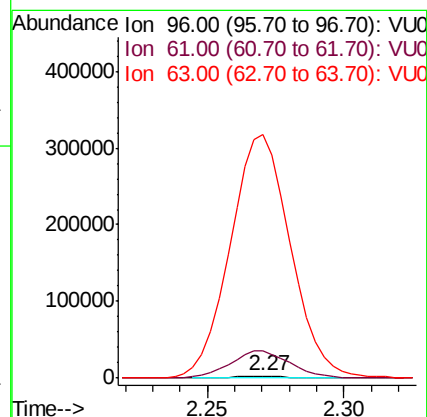
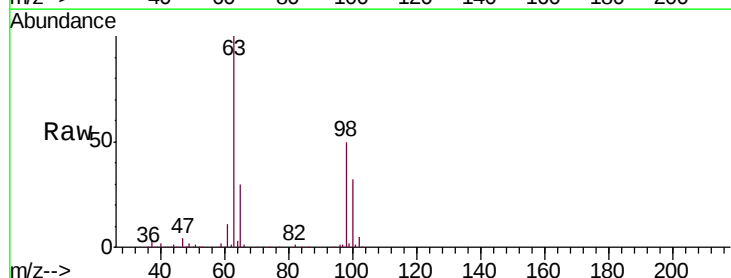
Tgt Ion: 96 Resp: 3692

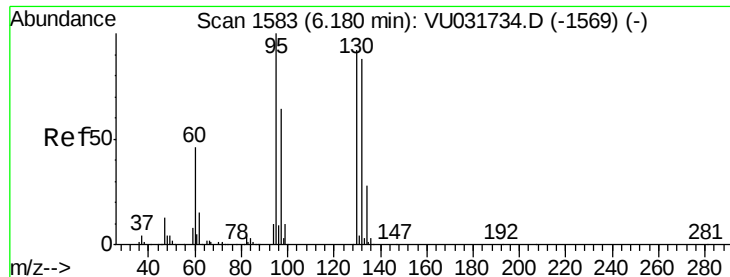
Ion Ratio Lower Upper

96 100

61 1522.7 135.0 250.6#

63 13694.6 103.5 192.3#





#34

Trichloroethene

Concen: 7.737 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU031755.D

Acq: 03 May 2019 17:13

Instrument :

MSVOA\_U

ClientSampleId :

C0X00

Tgt Ion: 95 Resp: 51890

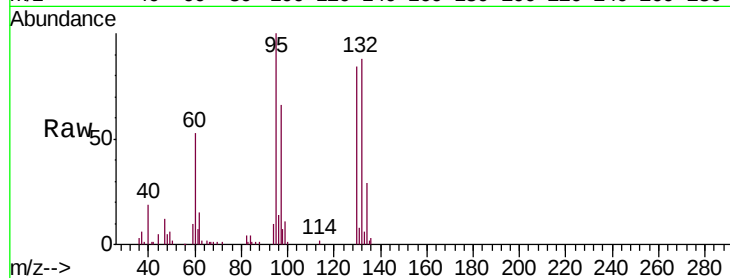
Ion Ratio Lower Upper

95 100

97 66.0 44.8 83.2

132 88.4 63.1 117.1

130 83.9 66.5 123.5

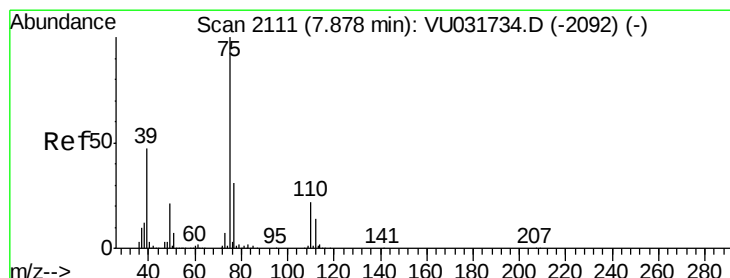
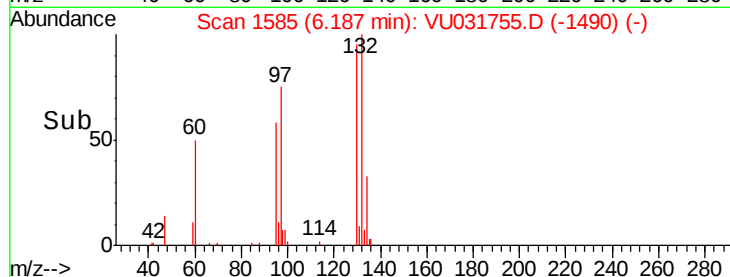
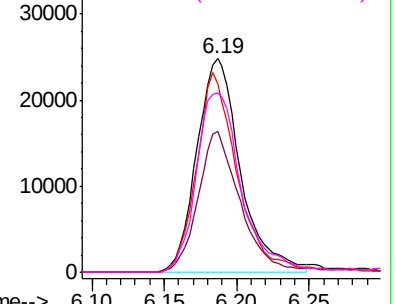


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#44

trans-1,3-Dichloropropene

Concen: 0.645 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031755.D

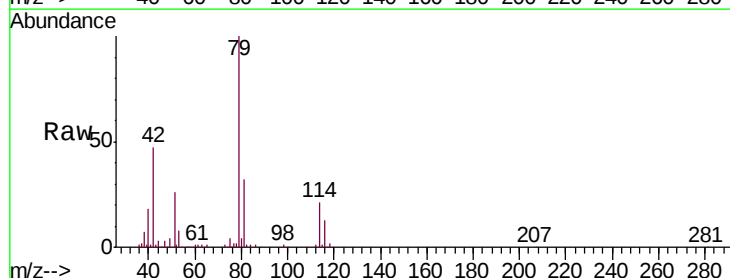
Acq: 03 May 2019 17:13

Tgt Ion: 75 Resp: 6074

Ion Ratio Lower Upper

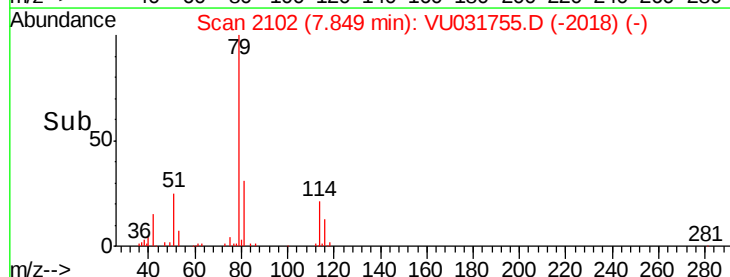
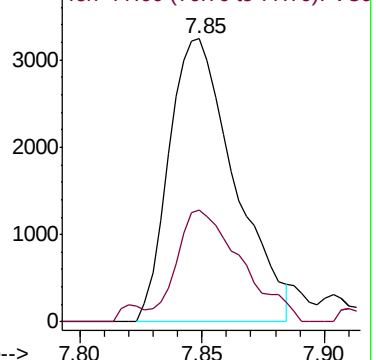
75 100

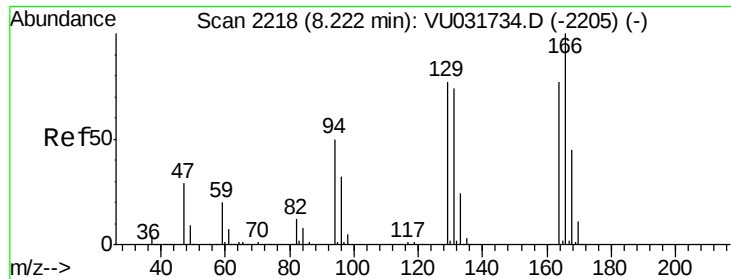
77 39.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

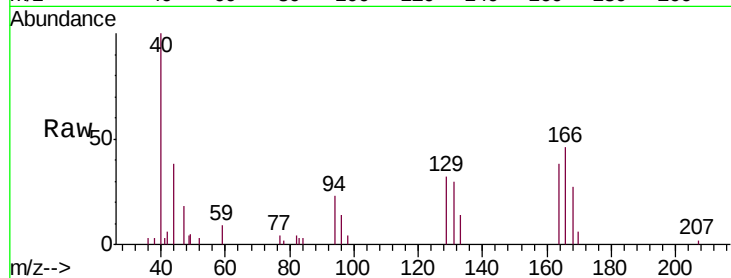




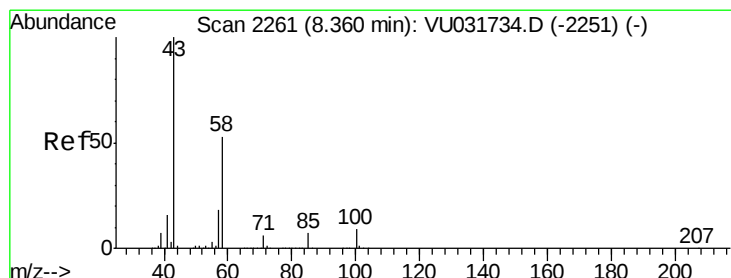
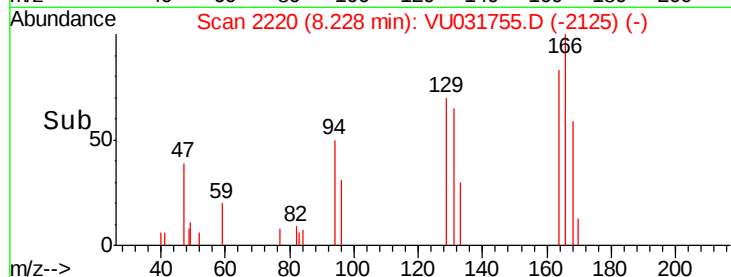
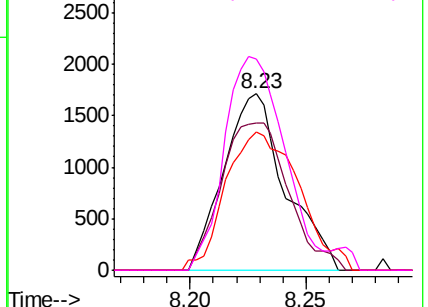
#46  
Tetrachloroethene  
Concen: 0.694 ug/L  
RT: 8.23 min Scan# 2220  
Delta R.T. 0.01 min  
Lab File: VU031755.D  
Acq: 03 May 2019 17:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0X00

Tgt Ion:164 Resp: 3175  
Ion Ratio Lower Upper  
164 100  
129 83.9 71.5 132.9  
131 78.5 69.0 128.2  
166 120.1 93.7 173.9

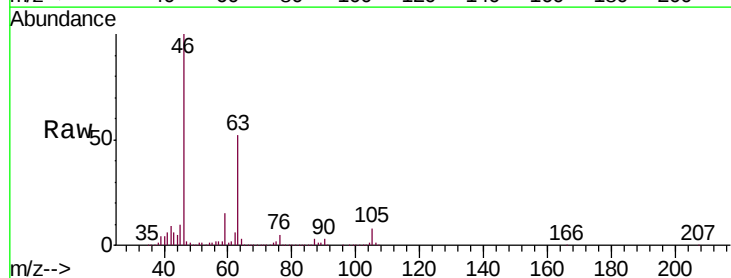


Abundance Ion 164.00 (163.70 to 164.70): V  
Ion 129.00 (128.70 to 129.70): V  
Ion 131.00 (130.70 to 131.70): V  
Ion 166.00 (165.70 to 166.70): V

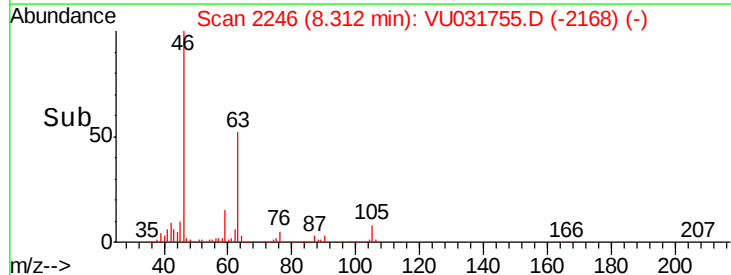
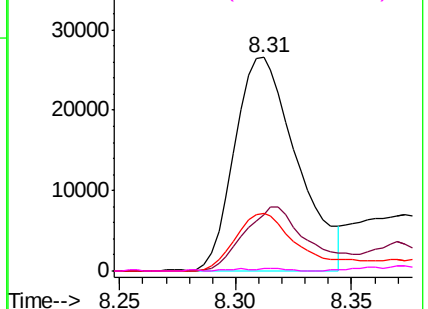


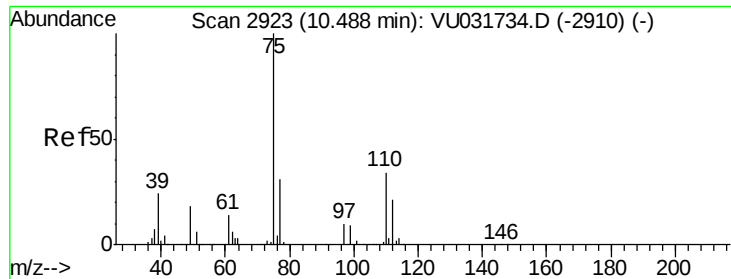
#48  
2-Hexanone  
Concen: 5.095 ug/L  
RT: 8.31 min Scan# 2246  
Delta R.T. -0.05 min  
Lab File: VU031755.D  
Acq: 03 May 2019 17:13

Tgt Ion: 43 Resp: 49796  
Ion Ratio Lower Upper  
43 100  
58 31.4 42.1 63.1#  
57 25.4 14.6 22.0#  
100 0.5 7.2 10.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0  
Ion 58.00 (57.70 to 58.70): VU0  
Ion 57.00 (56.70 to 57.70): VU0  
Ion 100.00 (99.70 to 100.70): VU0





#59

1,2,3-Trichloropropane

Concen: 4.368 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031755.D

Acq: 03 May 2019 17:13

Instrument :

MSVOA\_U

ClientSampleId :

C0X00

Tgt Ion: 75 Resp: 40676

Ion Ratio Lower Upper

75 100

77 36.8 25.9 38.9

