

Data File : VU030763.D  
Acq On : 05 Apr 2019 23:54  
Operator : JC/SP  
Sample : K2260-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
ETJ56

Quant Time: Apr 06 02:23:19 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 06 02:16:29 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 443004   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 430467   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 173779   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 213645   | 54.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 108.04% |
| 7) Chloroethane-d5             | 1.68    | 69    | 163413   | 54.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 108.88% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 290872   | 40.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 81.34%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 332439   | 106.07   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 106.07% |
| 24) Chloroform-d               | 4.64    | 84    | 281563   | 46.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.22%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 219524   | 53.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.52% |
| 32) Benzene-d6                 | 5.34    | 84    | 656110   | 52.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.42% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 231330   | 53.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 107.44% |
| 41) Toluene-d8                 | 7.56    | 98    | 557739   | 50.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.14% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 88147    | 44.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.78%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 189045   | 96.04    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 96.04%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 300751   | 51.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 103.54% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 184811   | 54.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.16% |

#### Target Compounds

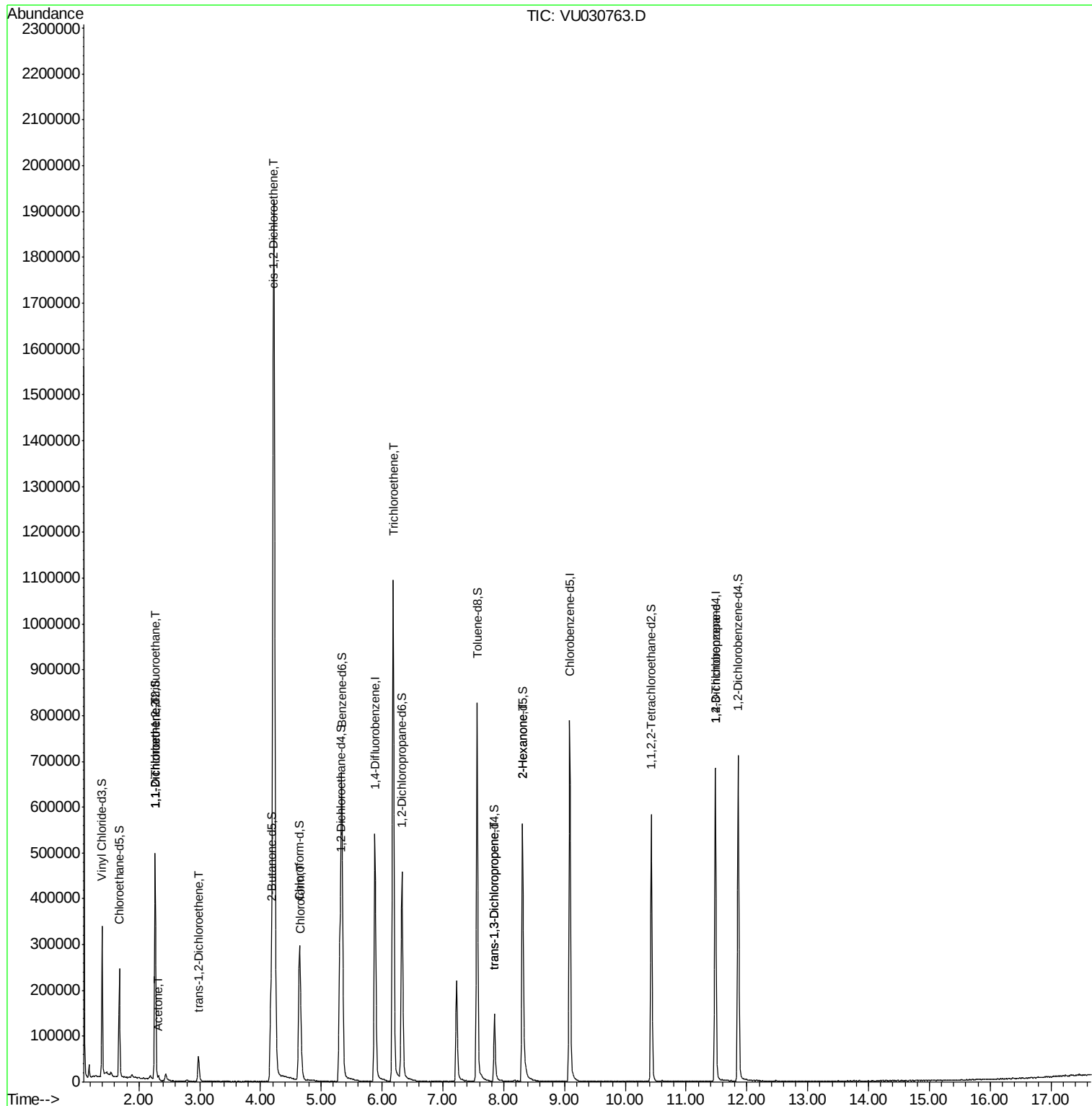
|                                |       |     |         |         |        | Qvalue |
|--------------------------------|-------|-----|---------|---------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.26  | 101 | 2546    | 0.803   | ug/L # | 20     |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 6012    | 1.963   | ug/L # | 1      |
| 13) Acetone                    | 2.32  | 43  | 5979    | 1.864   | ug/L   | 100    |
| 17) trans-1,2-Dichloroethene   | 2.98  | 96  | 21729   | 6.683   | ug/L   | 95     |
| 20) cis-1,2-Dichloroethene     | 4.22  | 96  | 1029443 | 286.740 | ug/L   | 97     |
| 25) Chloroform                 | 4.67  | 83  | 41921   | 6.216   | ug/L   | 95     |
| 34) Trichloroethene            | 6.18  | 95  | 403297  | 116.728 | ug/L   | 99     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 3367    | 0.673   | ug/L   | 96     |
| 48) 2-Hexanone                 | 8.31  | 43  | 24374   | 4.871   | ug/L # | 79     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 23377   | 4.893   | ug/L   | 95     |

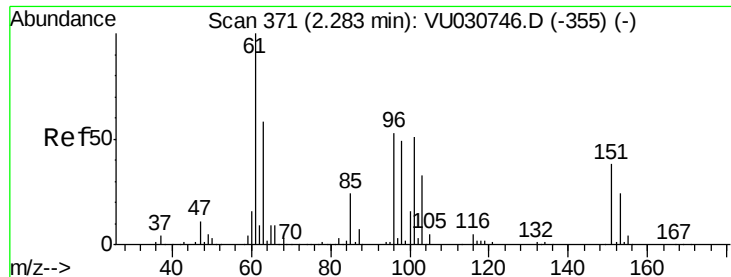
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.803 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU030763.D

Acq: 05 Apr 2019 23:54

Instrument :

MSVOA\_U

ClientSampleId :

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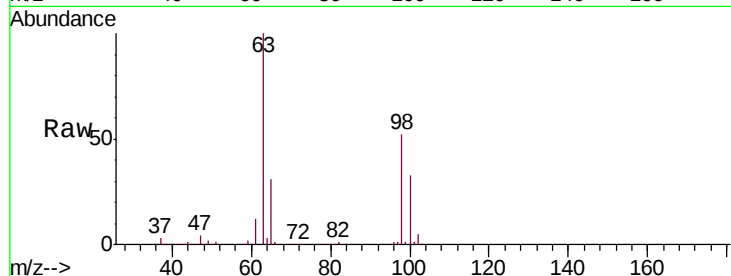
Tgt Ion: 101 Resp: 2546

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

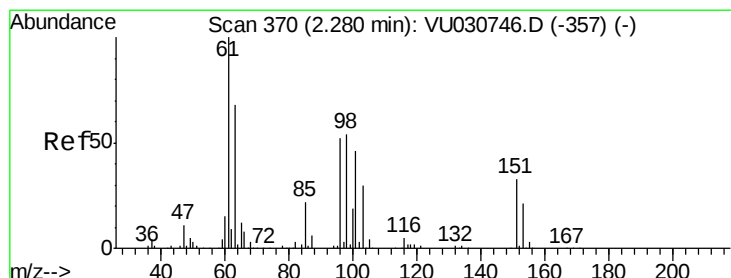
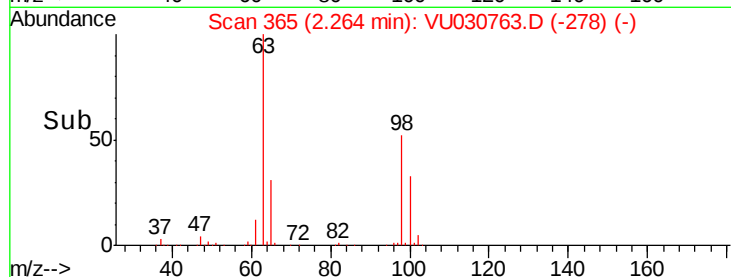
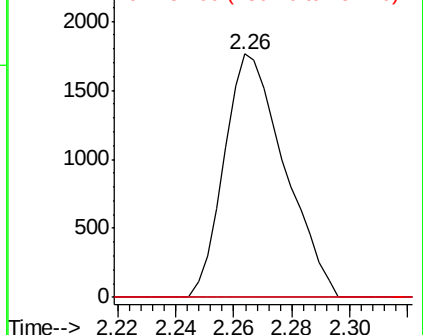
151 0.0 57.4 86.0#



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



#12

1,1-Dichloroethene

Concen: 1.963 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030763.D

Acq: 05 Apr 2019 23:54

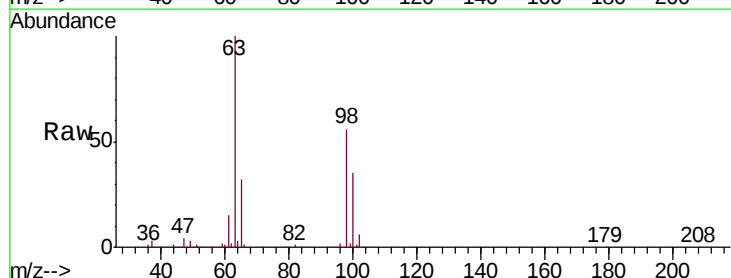
Tgt Ion: 96 Resp: 6012

Ion Ratio Lower Upper

96 100

61 628.6 132.0 245.2#

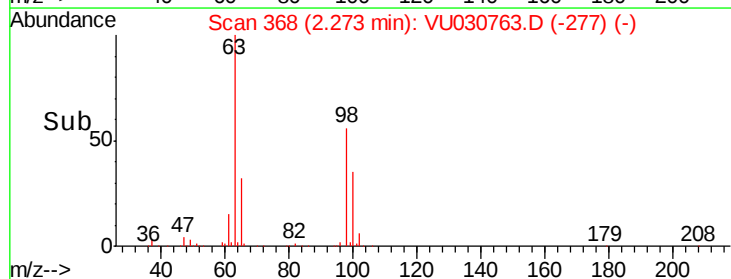
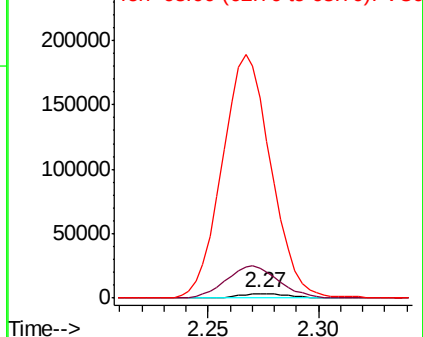
63 4194.4 90.9 168.9#

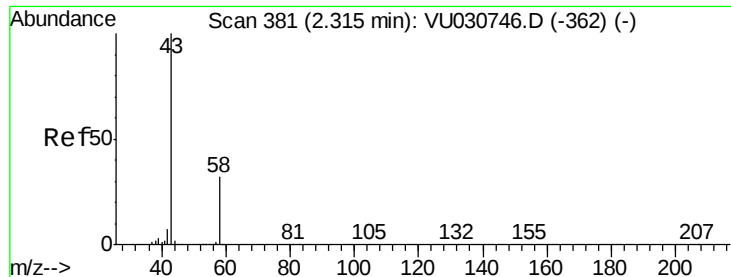


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.864 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU030763.D

Acq: 05 Apr 2019 23:54

Instrument :

MSVOA\_U

ClientSampleId :

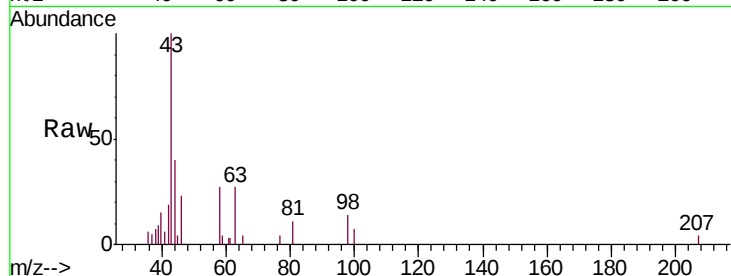
ETJ56

Tgt Ion: 43 Resp: 5979

Ion Ratio Lower Upper

43 100

58 32.1 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030746.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030746.D (-362) (-)

2.32

4000

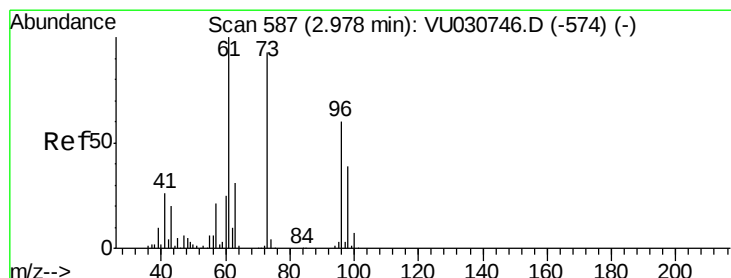
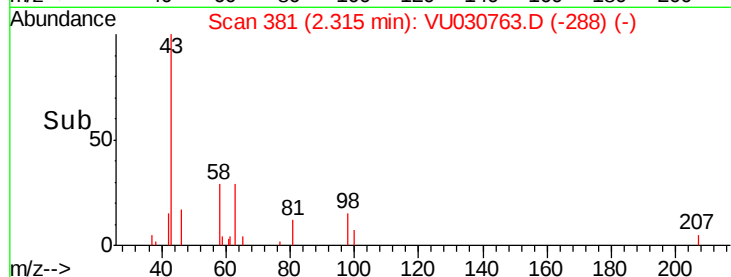
3000

2000

1000

0

Time--> 2.25 2.30 2.35



#17

trans-1,2-Dichloroethene

Concen: 6.683 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU030763.D

Acq: 05 Apr 2019 23:54

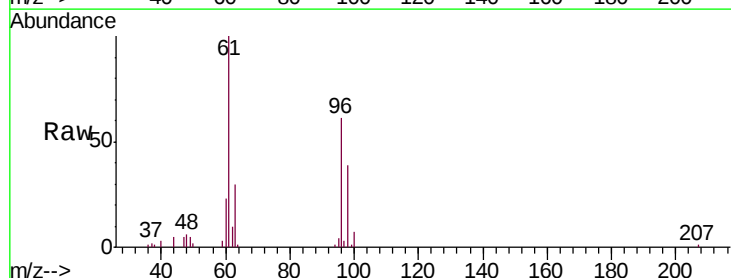
Tgt Ion: 96 Resp: 21729

Ion Ratio Lower Upper

96 100

61 164.7 109.5 203.3

98 64.6 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU030746.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU030746.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU030746.D (-574) (-)

25000

20000

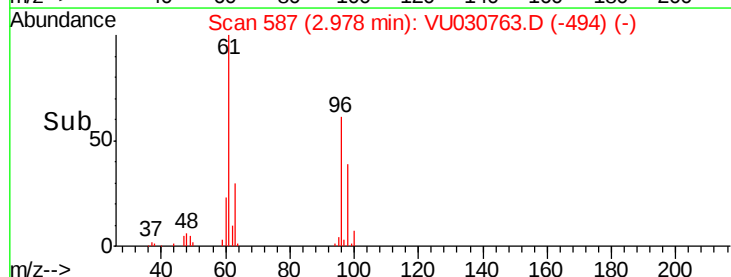
15000

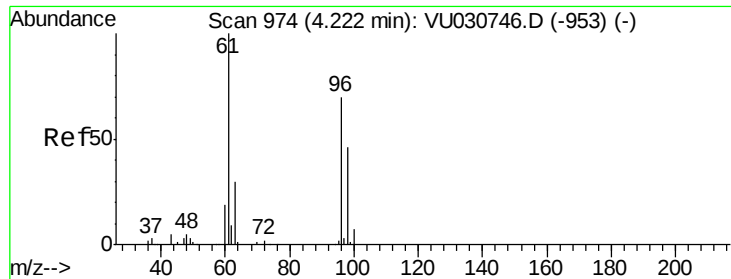
10000

5000

0

Time--> 2.95 3.00 3.05



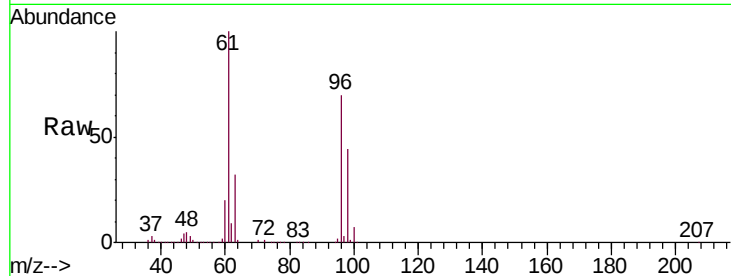


#20

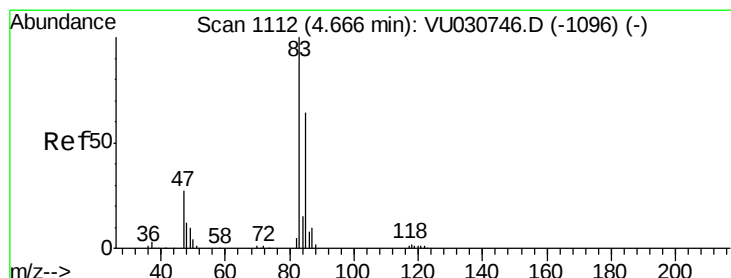
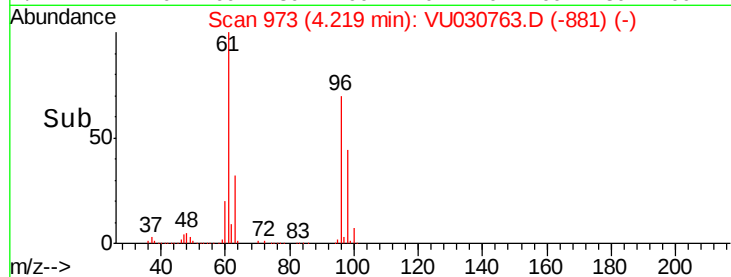
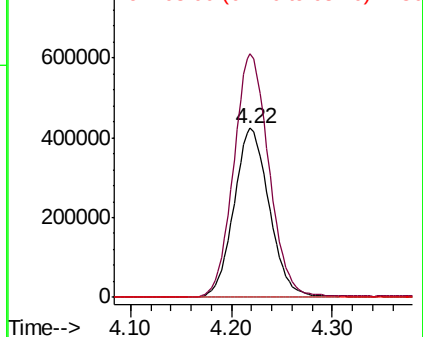
cis-1,2-Dichloroethene  
 Concen: 286.740 ug/L  
 RT: 4.22 min Scan# 973  
 Delta R.T. -0.00 min  
 Lab File: VU030763.D  
 Acq: 05 Apr 2019 23:54

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Tgt Ion: 96 Resp: 1029443  
 Ion Ratio Lower Upper  
 96 100  
 61 143.8 102.9 191.1  
 68 0.0 0.0 0.0



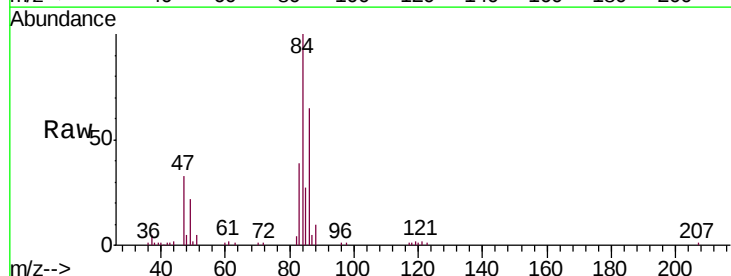
Abundance Ion 96.00 (95.70 to 96.70): VU0  
 Ion 61.00 (60.70 to 61.70): VU0  
 Ion 68.00 (67.70 to 68.70): VU0



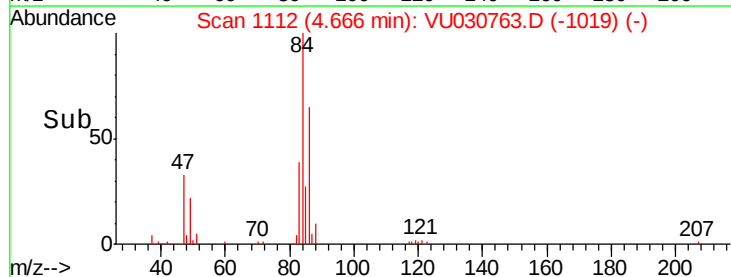
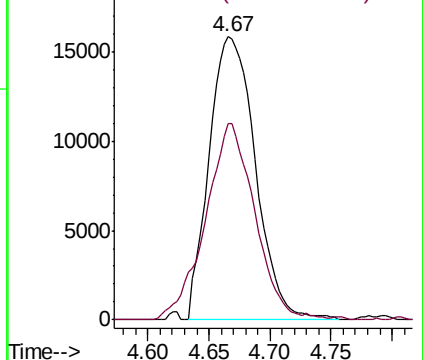
#25

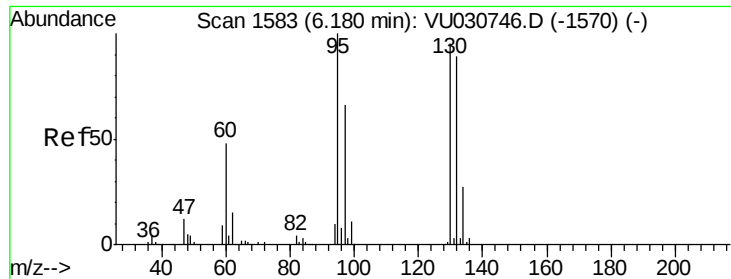
Chloroform  
 Concen: 6.216 ug/L  
 RT: 4.67 min Scan# 1112  
 Delta R.T. -0.00 min  
 Lab File: VU030763.D  
 Acq: 05 Apr 2019 23:54

Tgt Ion: 83 Resp: 41921  
 Ion Ratio Lower Upper  
 83 100  
 85 69.5 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU0  
 Ion 85.00 (84.70 to 85.70): VU0

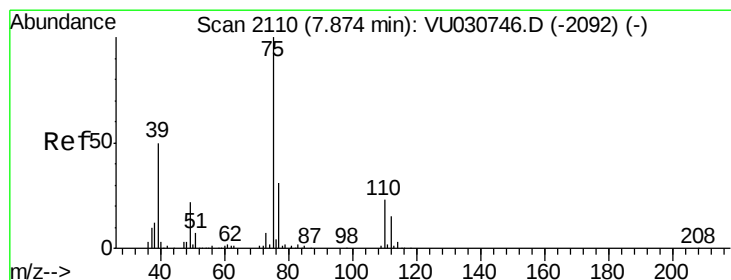
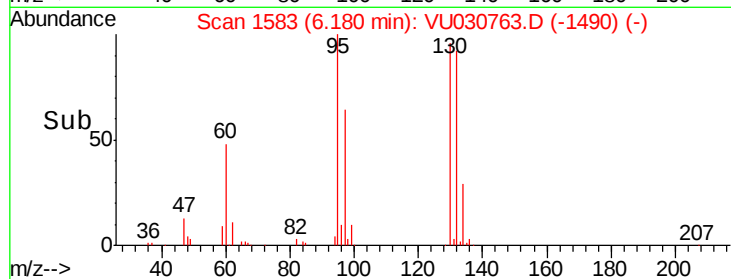
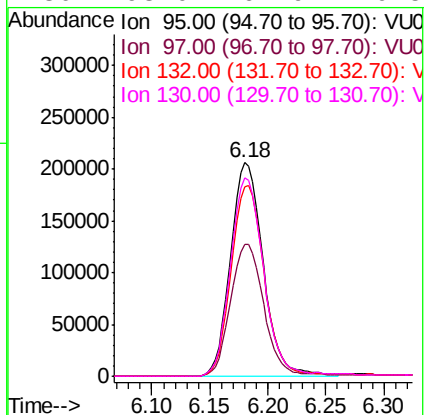
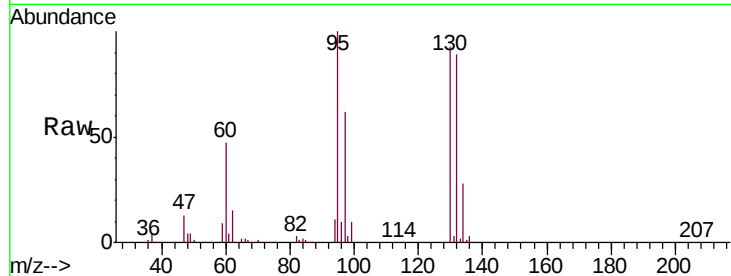




#34  
 Trichloroethene  
 Concen: 116.728 ug/L  
 RT: 6.18 min Scan# 1583  
 Delta R.T. 0.00 min  
 Lab File: VU030763.D  
 Acq: 05 Apr 2019 23:54

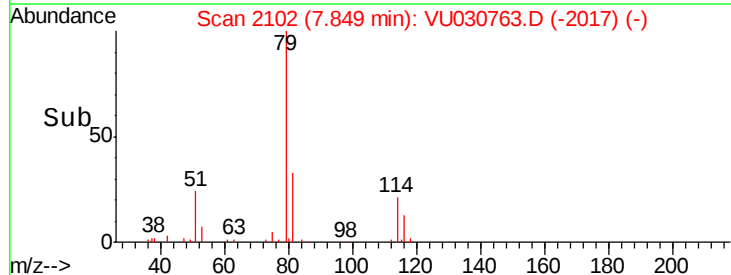
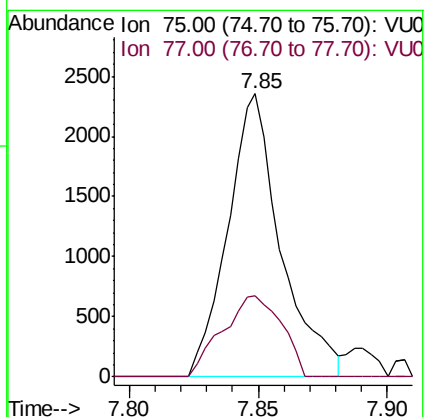
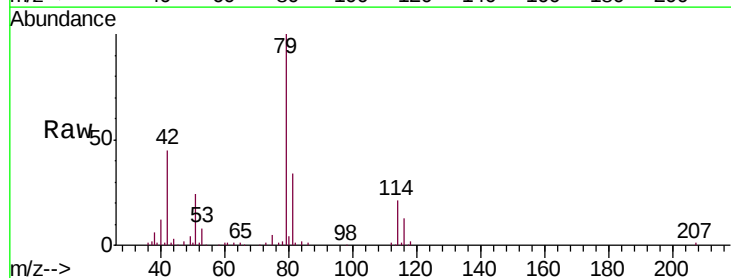
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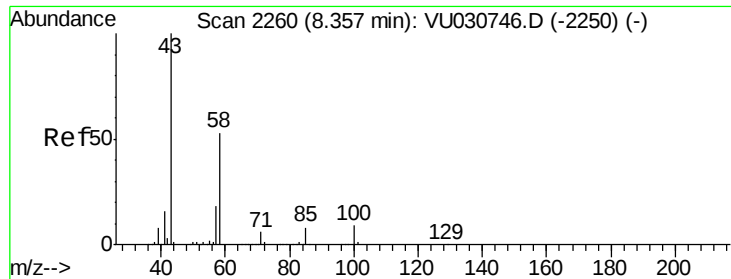
Tgt Ion: 95 Resp: 403297  
 Ion Ratio Lower Upper  
 95 100  
 97 61.8 44.5 82.7  
 132 88.6 61.5 114.1  
 130 93.0 64.9 120.5



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.673 ug/L  
 RT: 7.85 min Scan# 2102  
 Delta R.T. -0.03 min  
 Lab File: VU030763.D  
 Acq: 05 Apr 2019 23:54

Tgt Ion: 75 Resp: 3367  
 Ion Ratio Lower Upper  
 75 100  
 77 28.6 21.6 40.0

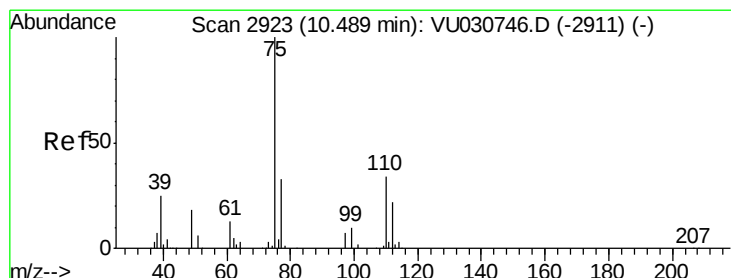
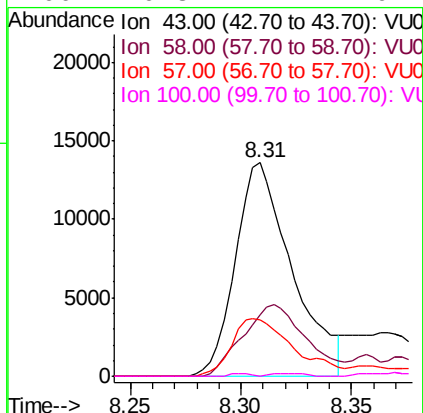
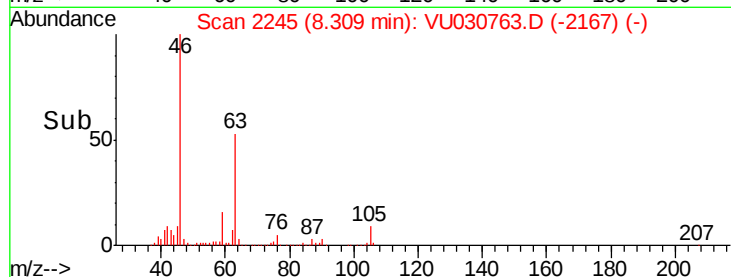
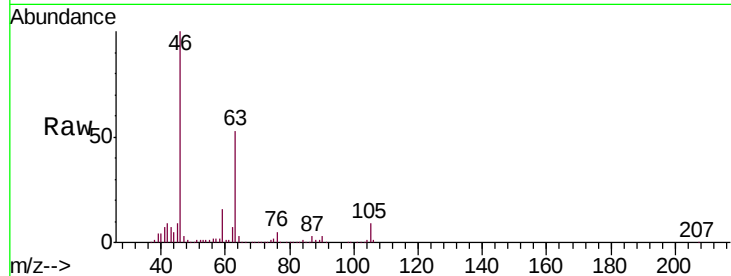




#48  
 2-Hexanone  
 Concen: 4.871 ug/L  
 RT: 8.31 min Scan# 2245  
 Delta R.T. -0.05 min  
 Lab File: VU030763.D  
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Tgt Ion: 43 Resp: 24374  
 Ion Ratio Lower Upper  
 43 100  
 58 37.4 41.9 62.9#  
 57 26.2 14.3 21.5#  
 100 0.3 7.1 10.7#



#59  
 1,2,3-Trichloropropane  
 Concen: 4.893 ug/L  
 RT: 11.48 min Scan# 3231  
 Delta R.T. 0.99 min  
 Lab File: VU030763.D  
 Acq: 05 Apr 2019 23:54

Tgt Ion: 75 Resp: 23377  
 Ion Ratio Lower Upper  
 75 100  
 77 35.6 26.1 39.1

