

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU032219\  
 Data File : VU030305.D  
 Acq On : 22 Mar 2019 13:59  
 Operator : JC/SP  
 Sample : K2048-08 50X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF1A0

Quant Time: Mar 23 02:36:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 23 02:31:55 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 526684   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 510867   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 228843   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 152831   | 42.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 85.82%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 132174   | 46.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.82%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 215339   | 33.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.28%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 270091   | 102.23   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.23% |
| 24) Chloroform-d               | 4.65    | 84    | 301714   | 46.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.32%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 175715   | 47.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.28%  |
| 32) Benzene-d6                 | 5.34    | 84    | 640244   | 47.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.12%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 203884   | 48.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.90%  |
| 41) Toluene-d8                 | 7.56    | 98    | 569623   | 45.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.00%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 91568    | 45.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.28%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 221297   | 102.45   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 102.45% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 306607   | 47.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.98%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 229772   | 50.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.02% |

## Target Compounds

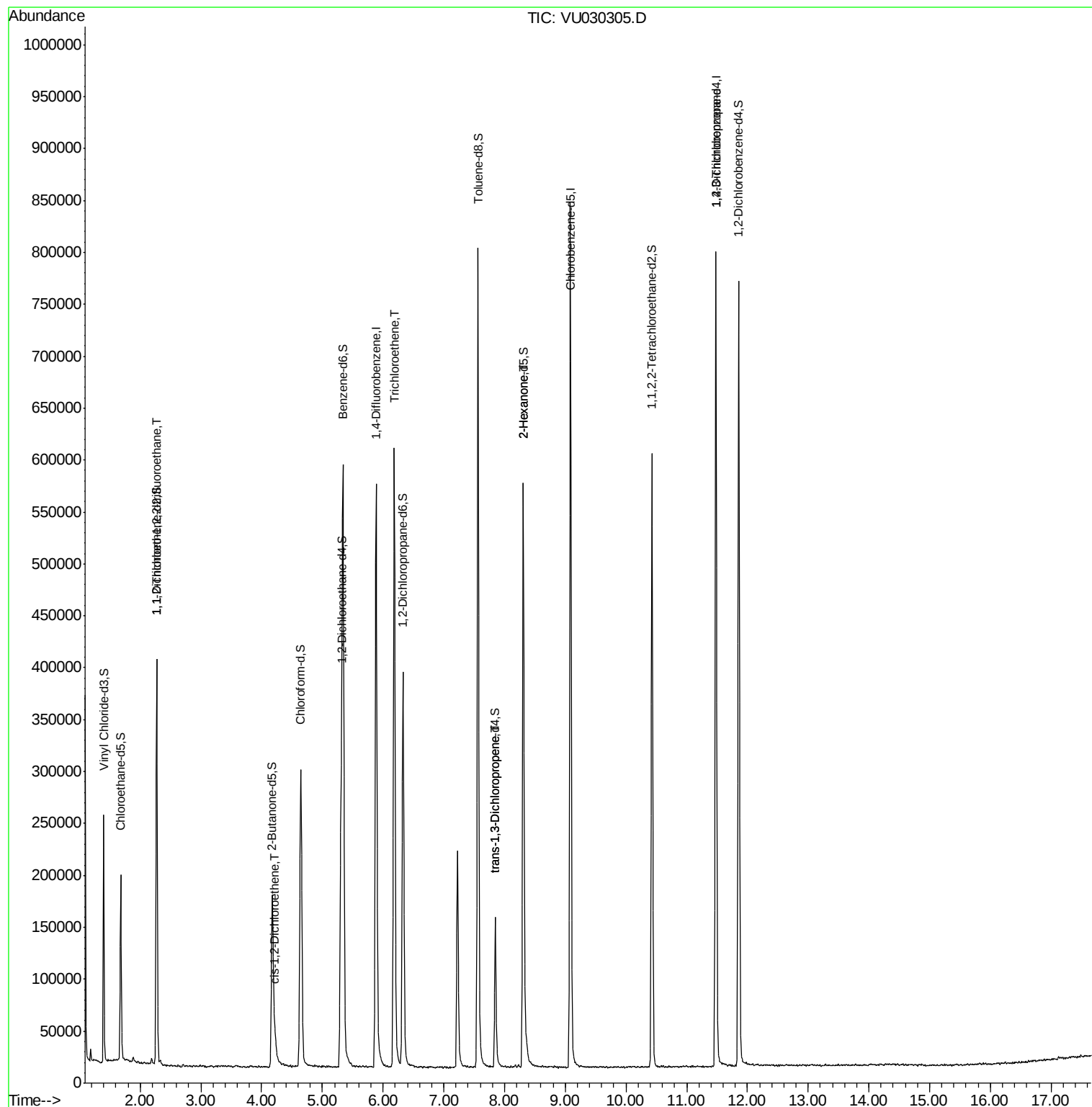
|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 2262   | 0.639 ug/L # | 18     |
| 20) cis-1,2-Dichloroethene     | 4.23  | 96  | 8667   | 2.136 ug/L   | 88     |
| 34) Trichloroethene            | 6.18  | 95  | 218095 | 56.140 ug/L  | 98     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 3450   | 0.658 ug/L   | 95     |
| 48) 2-Hexanone                 | 8.31  | 43  | 20193  | 4.690 ug/L # | 68     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 24930  | 4.886 ug/L   | 99     |

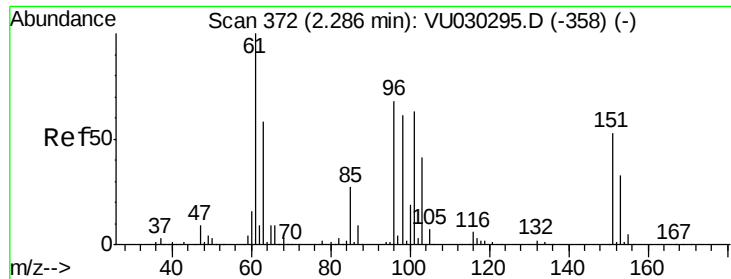
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Mar 23 02:31:55 2019  
Response via : Initial Calibration





#10

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

Concen: 0.639 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030305.D

Acq: 22 Mar 2019 13:59

Instrument :

MSVOA\_U

ClientSampleId :

BF1A0

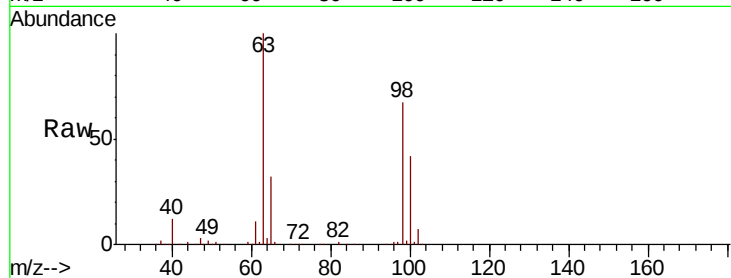
Tgt Ion: 101 Resp: 2262

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

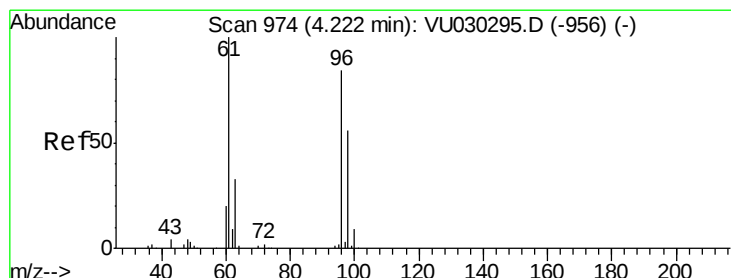
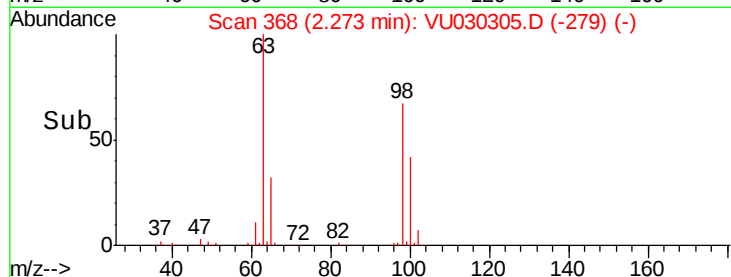
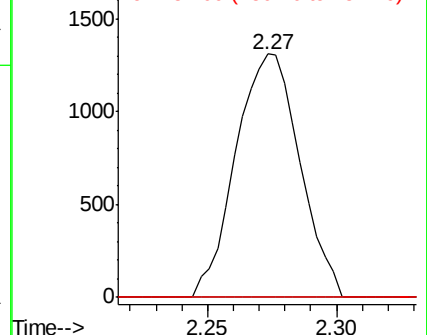
151 0.0 64.7 97.1#



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



#20

cis-1,2-Dichloroethene

Concen: 2.136 ug/L

RT: 4.23 min Scan# 976

Delta R.T. 0.01 min

Lab File: VU030305.D

Acq: 22 Mar 2019 13:59

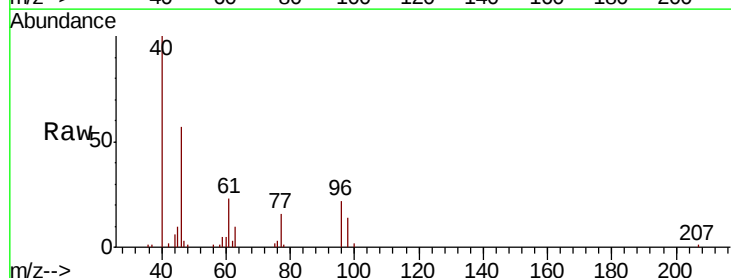
Tgt Ion: 96 Resp: 8667

Ion Ratio Lower Upper

96 100

61 103.0 81.5 151.3

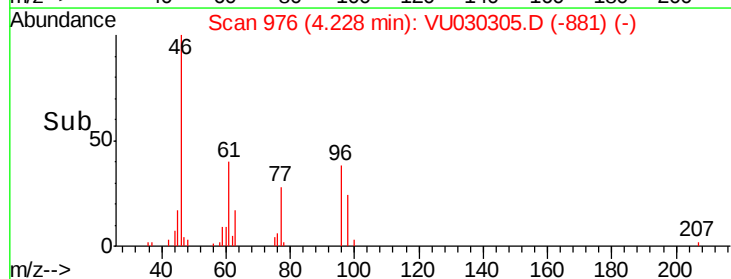
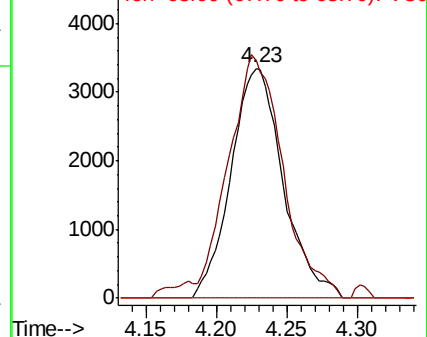
68 0.0 0.0 0.0

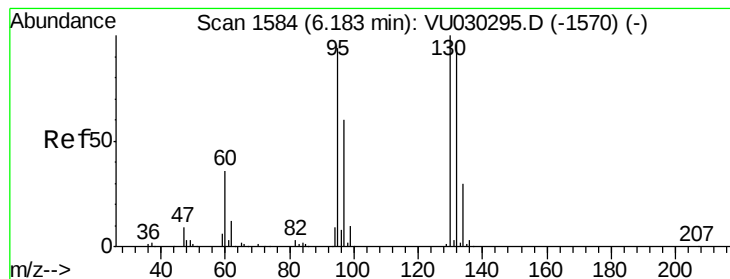


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#34

Trichloroethene

Concen: 56.140 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU030305.D

Acq: 22 Mar 2019 13:59

Instrument :

MSVOA\_U

ClientSampleId :

BF1A0

Tgt Ion: 95 Resp: 218095

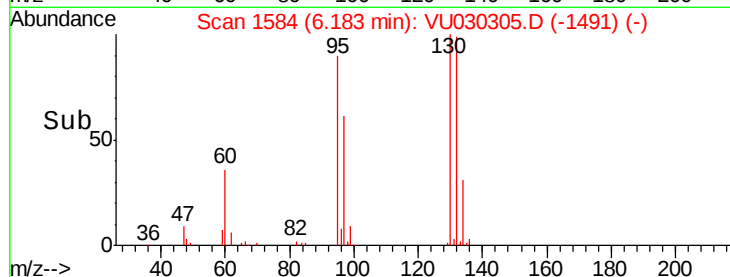
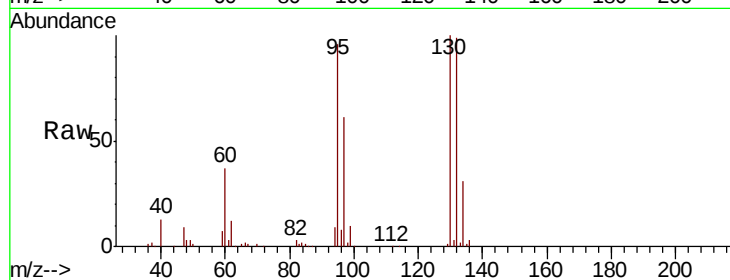
Ion Ratio Lower Upper

95 100

97 64.0 46.2 85.8

132 102.7 69.3 128.7

130 104.2 73.6 136.6

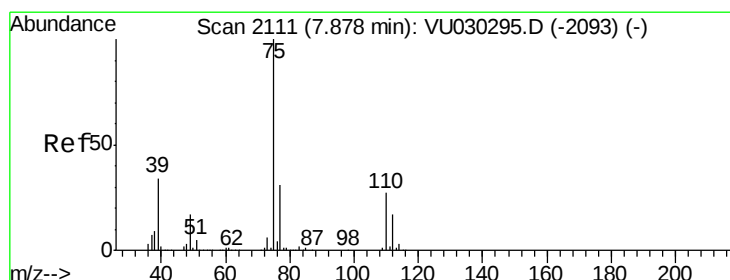
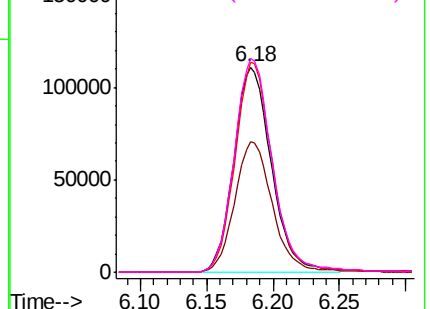


Abundance Ion 95.00 (94.70 to 95.70): VU030305.D (-1491) (-)

Ion 97.00 (96.70 to 97.70): VU030305.D (-1491) (-)

Ion 132.00 (131.70 to 132.70): VU030305.D (-1491) (-)

Ion 130.00 (129.70 to 130.70): VU030305.D (-1491) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.658 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030305.D

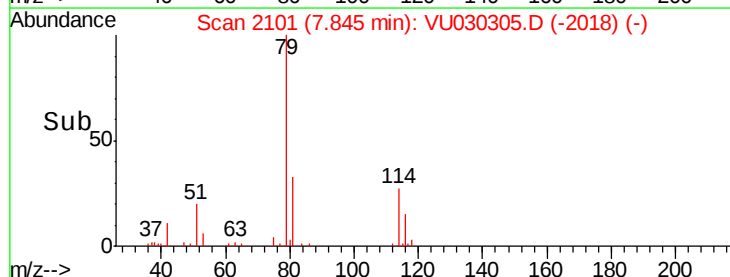
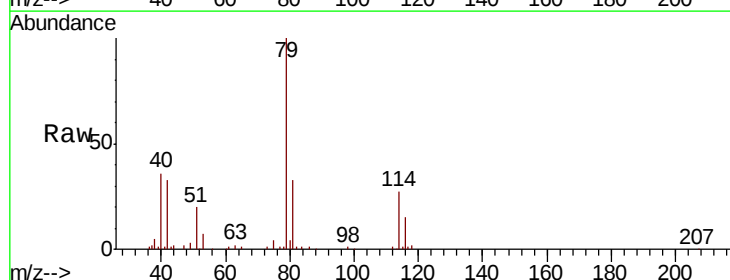
Acq: 22 Mar 2019 13:59

Tgt Ion: 75 Resp: 3450

Ion Ratio Lower Upper

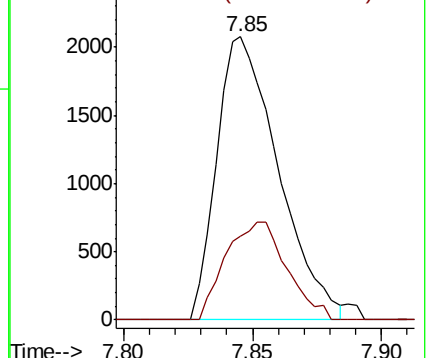
75 100

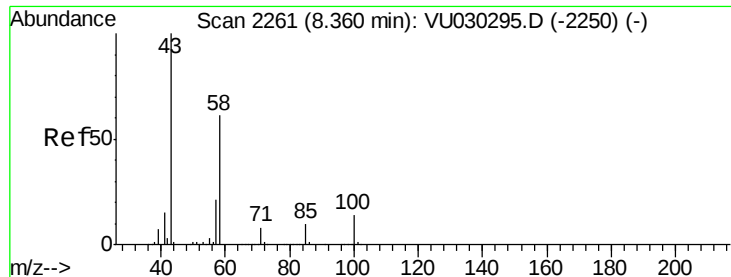
77 29.4 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU030305.D (-2018) (-)

Ion 77.00 (76.70 to 77.70): VU030305.D (-2018) (-)

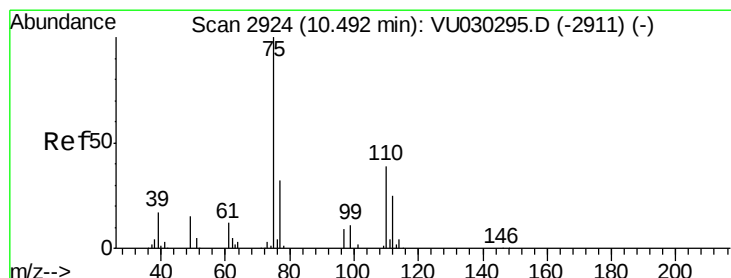
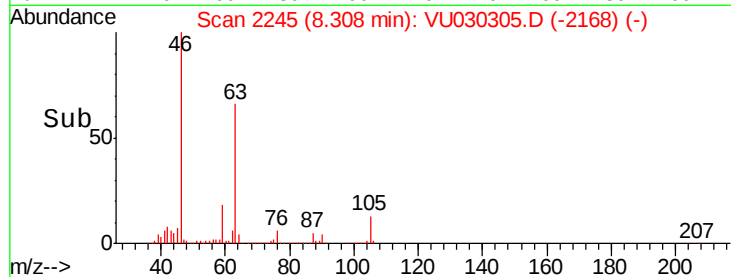
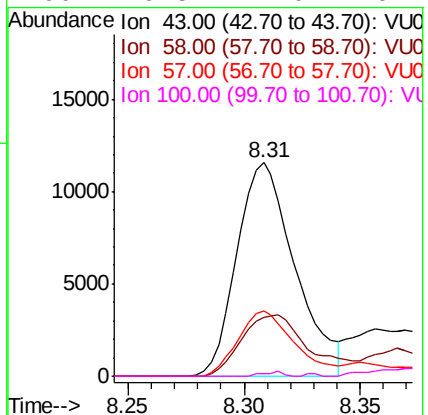
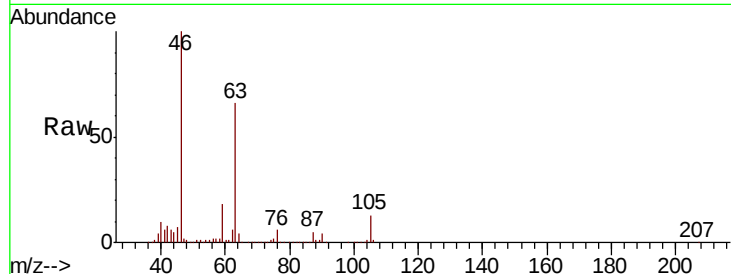




#48  
 2-Hexanone  
 Concen: 4.690 ug/L  
 RT: 8.31 min Scan# 2245  
 Delta R.T. -0.05 min  
 Lab File: VU030305.D  
 Acq: 22 Mar 2019 13:59

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF1A0

Tgt Ion: 43 Resp: 20193  
 Ion Ratio Lower Upper  
 43 100  
 58 33.5 49.3 73.9#  
 57 29.7 17.0 25.4#  
 100 0.5 11.0 16.4#



#59  
 1,2,3-Trichloropropane  
 Concen: 4.886 ug/L  
 RT: 11.48 min Scan# 3231  
 Delta R.T. 0.99 min  
 Lab File: VU030305.D  
 Acq: 22 Mar 2019 13:59

Tgt Ion: 75 Resp: 24930  
 Ion Ratio Lower Upper  
 75 100  
 77 32.9 25.8 38.8

