

Data File : VU031194.D  
Acq On : 14 Apr 2019 06:42  
Operator : JC/SP  
Sample : K2409-08  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFC33

Quant Time: Apr 15 01:44:18 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Apr 15 01:39:53 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 424075   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 460011   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 184061   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 215802   | 57.01    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 114.02%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 188432   | 65.58    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 131.16%# |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 266625   | 38.94    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.88%   |
| 21) 2-Butanone-d5              | 4.17    | 46    | 294023   | 98.00    | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 98.00%   |
| 24) Chloroform-d               | 4.64    | 84    | 299552   | 51.80    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 203405   | 51.55    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.10%  |
| 32) Benzene-d6                 | 5.34    | 84    | 589312   | 43.88    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.76%   |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 199612   | 43.37    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 86.74%   |
| 41) Toluene-d8                 | 7.56    | 98    | 497146   | 41.77    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.54%   |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 80571    | 38.39    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.78%   |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 165727   | 78.79    | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 78.79%   |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 278589   | 44.88    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.76%   |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 182083   | 50.30    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.60%  |

#### Target Compounds

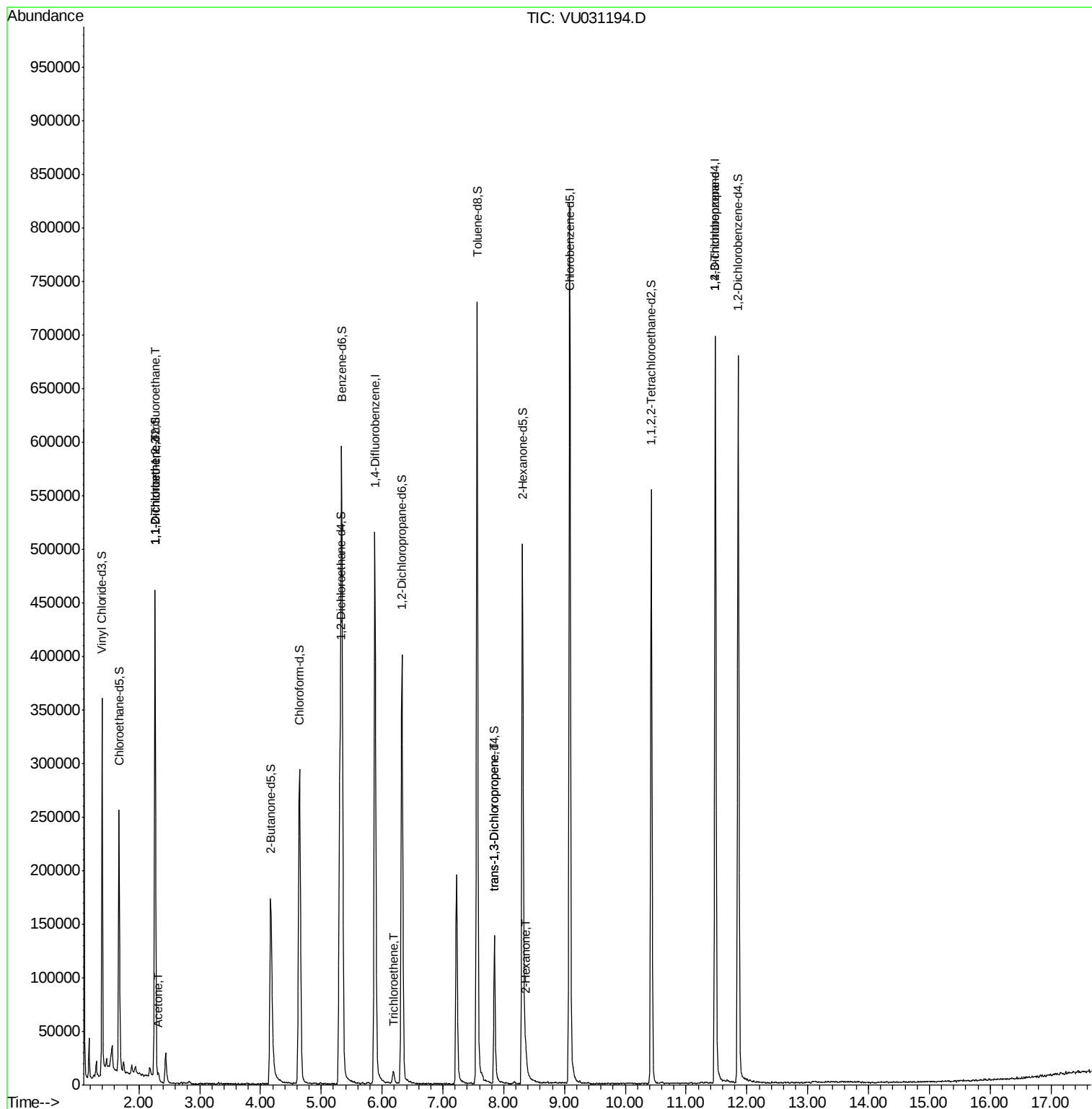
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 2427  | 0.799 ug/L # | 20     |
| 12) 1,1-Dichloroethene         | 2.26  | 96  | 2479  | 0.846 ug/L # | 1      |
| 13) Acetone                    | 2.32  | 43  | 7972  | 2.597 ug/L   | 90     |
| 34) Trichloroethene            | 6.19  | 95  | 3760  | 1.018 ug/L   | 92     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 3968  | 0.742 ug/L   | 97     |
| 48) 2-Hexanone                 | 8.37  | 43  | 10287 | 1.924 ug/L # | 69     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 23163 | 4.537 ug/L   | 91     |

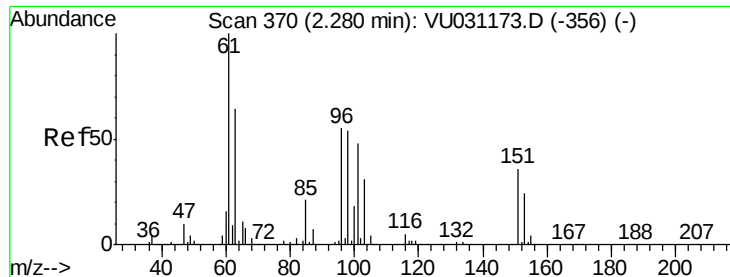
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU031194.D  
Acq On : 14 Apr 2019 06:42  
Operator : JC/SP  
Sample : K2409-08  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFC33

Quant Time: Apr 15 01:44:18 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Apr 15 01:39:53 2019  
Response via : Initial Calibration





#10

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

Concen: 0.799 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031194.D

Acq: 14 Apr 2019 06:42

Instrument :

MSVOA\_U

ClientSampleId :

BFC33

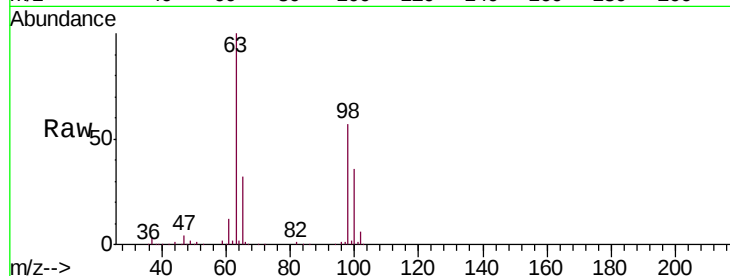
Tgt Ion: 101 Resp: 2427

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

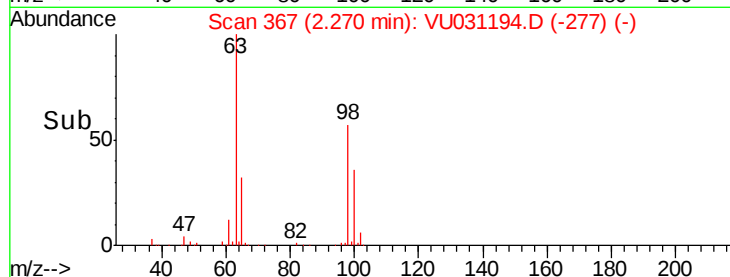
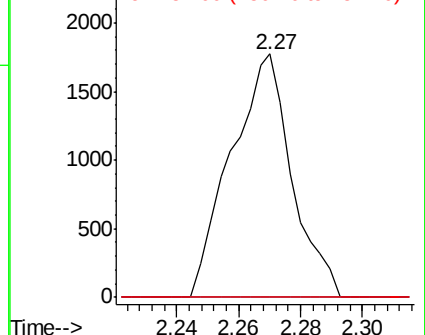
151 0.0 57.4 86.0#



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: 0.846 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU031194.D

Acq: 14 Apr 2019 06:42

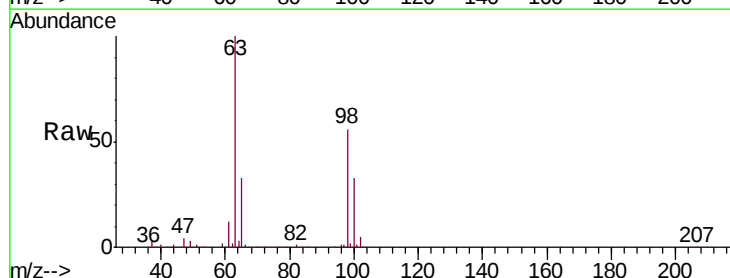
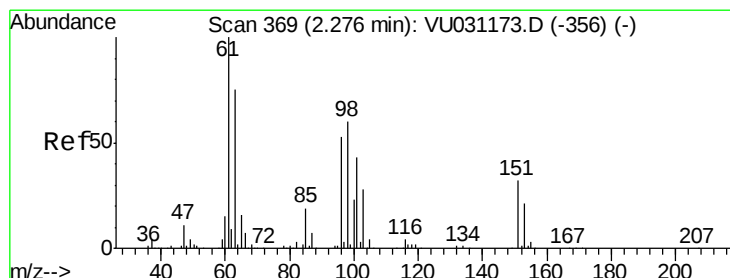
Tgt Ion: 96 Resp: 2479

Ion Ratio Lower Upper

96 100

61 1350.3 132.0 245.2#

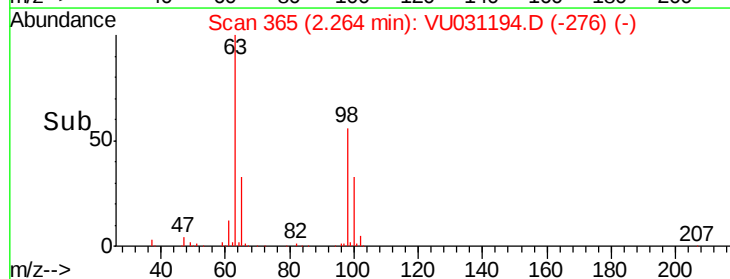
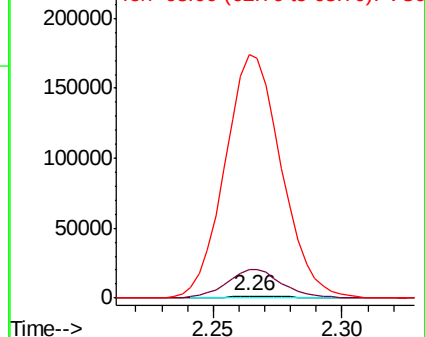
63 11318.6 90.9 168.9#

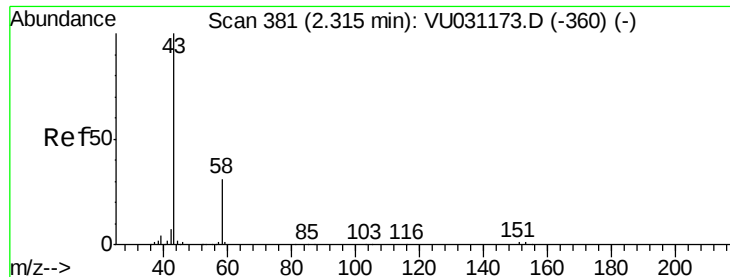


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.597 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU031194.D

Acq: 14 Apr 2019 06:42

Instrument :

MSVOA\_U

ClientSampleId :

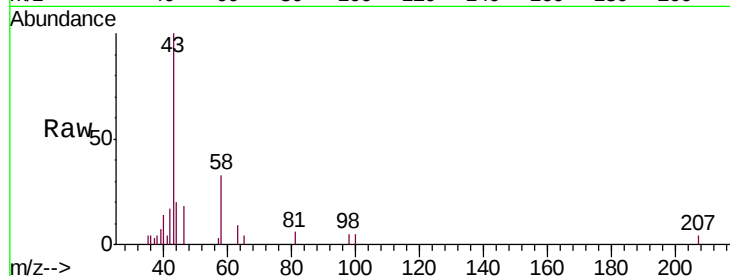
BFC33

Tgt Ion: 43 Resp: 7972

Ion Ratio Lower Upper

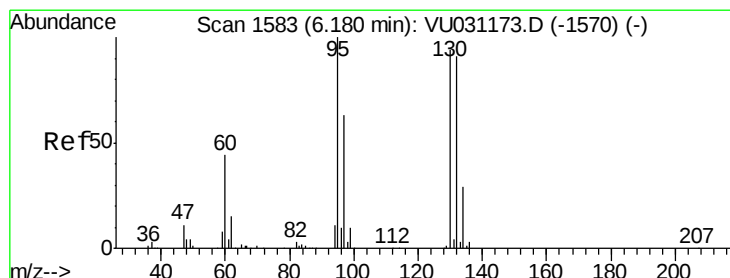
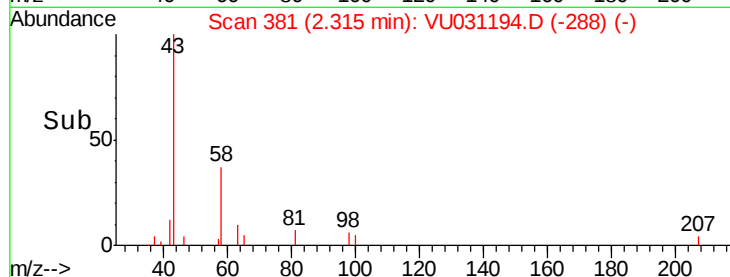
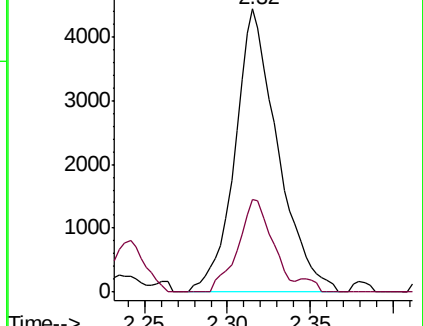
43 100

58 26.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031173.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU031173.D (-360) (-)



#34

Trichloroethene

Concen: 1.018 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VU031194.D

Acq: 14 Apr 2019 06:42

Tgt Ion: 95 Resp: 3760

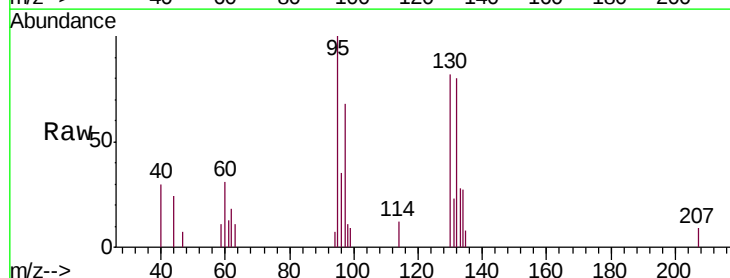
Ion Ratio Lower Upper

95 100

97 67.6 44.5 82.7

132 80.5 61.5 114.1

130 82.4 64.9 120.5

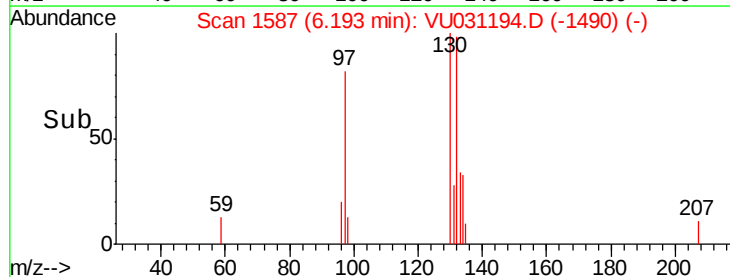
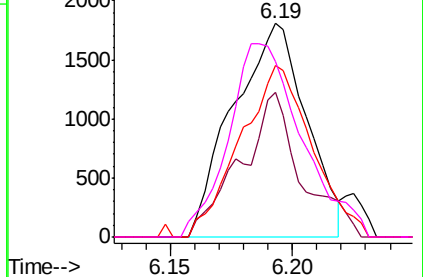


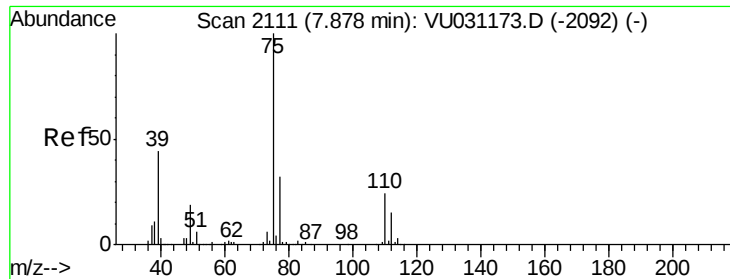
Abundance Ion 95.00 (94.70 to 95.70): VU031173.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU031173.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU031173.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU031173.D (-1570) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.742 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031194.D

Acq: 14 Apr 2019 06:42

Instrument :

MSVOA\_U

ClientSampled :

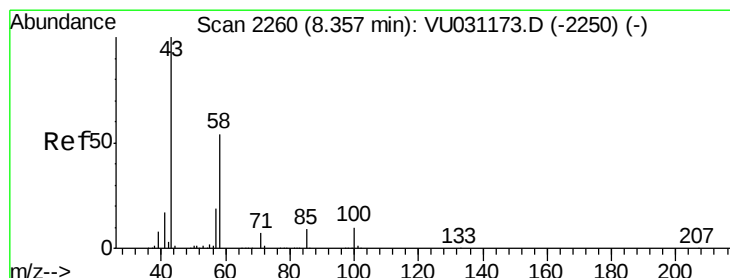
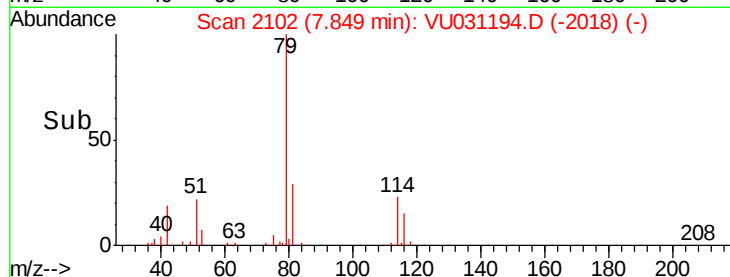
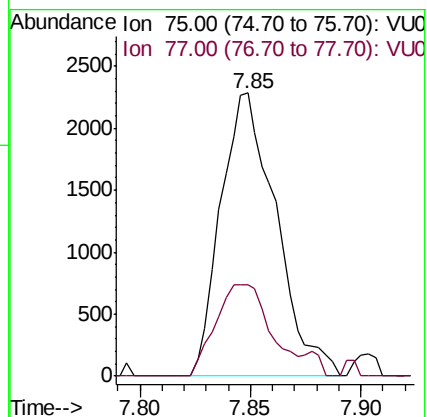
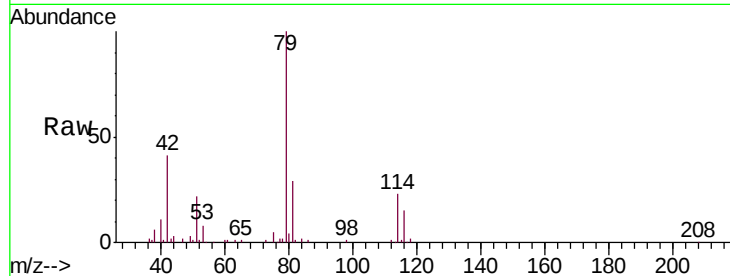
BFC33

Tgt Ion: 75 Resp: 3968

Ion Ratio Lower Upper

75 100

77 32.4 21.6 40.0



#48

2-Hexanone

Concen: 1.924 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU031194.D

Acq: 14 Apr 2019 06:42

Tgt Ion: 43 Resp: 10287

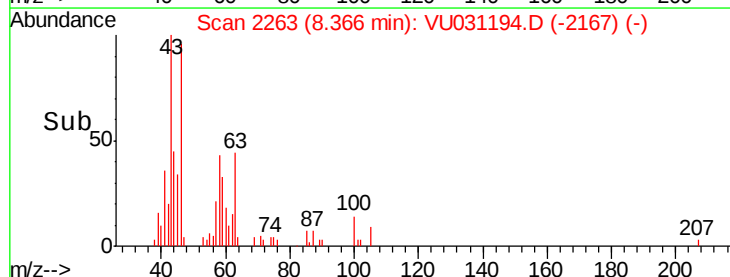
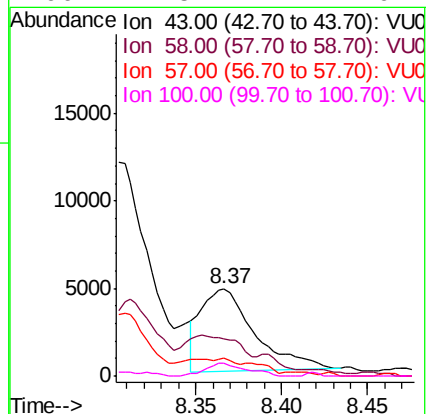
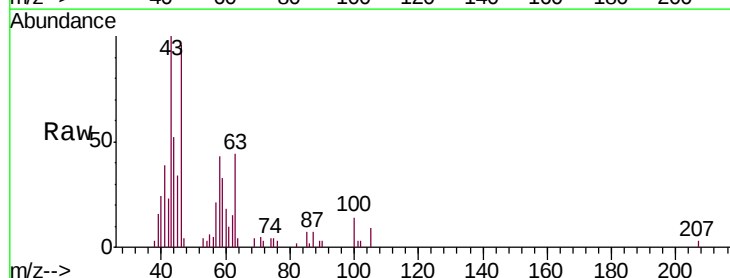
Ion Ratio Lower Upper

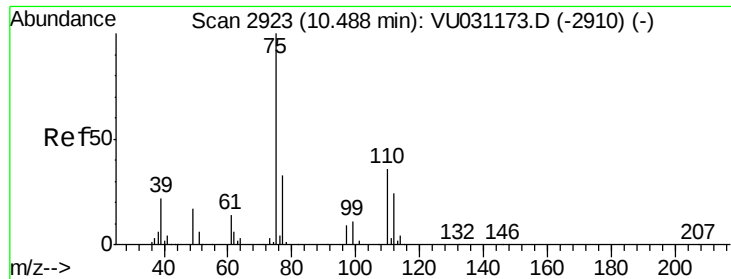
43 100

58 28.9 41.9 62.9#

57 2.8 14.3 21.5#

100 11.5 7.1 10.7#





#59

1,2,3-Trichloropropane

Concen: 4.537 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031194.D

Acq: 14 Apr 2019 06:42

Instrument :

MSVOA\_U

ClientSampleId :

BFC33

Tgt Ion: 75 Resp: 23163

Ion Ratio Lower Upper

75 100

77 37.7 26.1 39.1

