

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU042919\  
 Data File : VU031583.D  
 Acq On : 29 Apr 2019 13:59  
 Operator : JC/SP  
 Sample : K2592-02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0XG7

Quant Time: Apr 30 01:58:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 30 01:54:25 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 676963   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 663244   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 253339   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 286767   | 50.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 101.22% |
| 7) Chloroethane-d5             | 1.68    | 69    | 233431   | 53.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 106.64% |
| 11) 1,1-Dichloroethene-d2      | 2.43    | 63    | 173      | 0.02     | ug/L | 0.16    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 0.04%#  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 607093   | 118.26   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 118.26% |
| 24) Chloroform-d               | 4.64    | 84    | 537175   | 51.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.54% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 372931   | 55.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 110.02% |
| 32) Benzene-d6                 | 5.34    | 84    | 1042236  | 51.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.34% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 378712   | 52.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 105.70% |
| 41) Toluene-d8                 | 7.56    | 98    | 878077   | 49.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.00%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 153837   | 50.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 100.02% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 348328   | 112.31   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 112.31% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 493003   | 51.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 102.54% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 287156   | 53.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.80% |

## Target Compounds

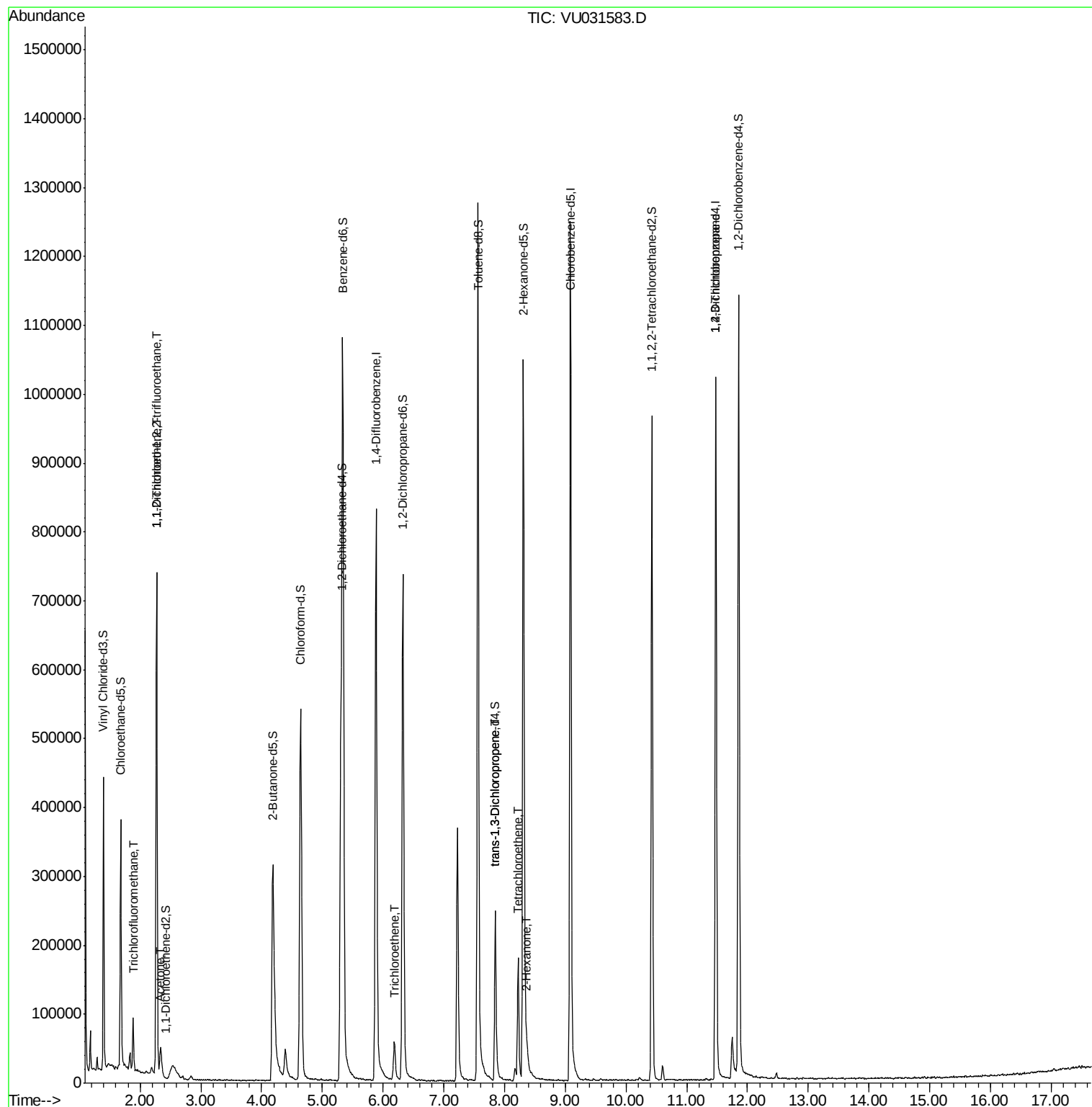
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 9) Trichlorofluoromethane      | 1.88  | 101  | 39799    | 4.146 | ug/L   | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101  | 3639     | 0.671 | ug/L # | 22     |
| 12) 1,1-Dichloroethene         | 2.27  | 96   | 3006     | 0.569 | ug/L # | 1      |
| 13) Acetone                    | 2.34  | 43   | 54768    | 9.472 | ug/L   | 94     |
| 34) Trichloroethene            | 6.19  | 95   | 19525    | 3.303 | ug/L   | 89     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75   | 6375     | 0.768 | ug/L   | 91     |
| 46) Tetrachloroethene          | 8.22  | 164  | 39954    | 9.915 | ug/L   | 93     |
| 48) 2-Hexanone                 | 8.37  | 43   | 27335    | 3.173 | ug/L # | 41     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75   | 35579    | 4.335 | ug/L   | 94     |

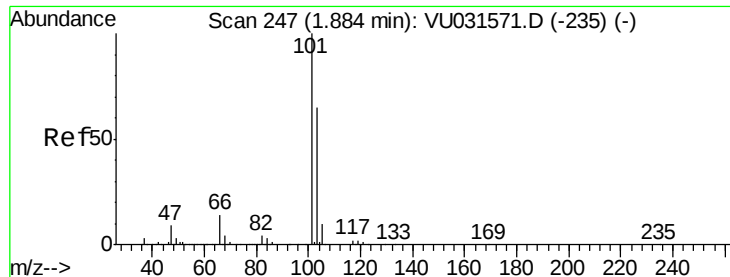
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU042919\  
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Sample : K2592-02  
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Quant Time: Apr 30 01:58:29 2019  
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Quant Title : VOC Analysis  
QLast Update : Tue Apr 30 01:54:25 2019  
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 4.146 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU031583.D

Acq: 29 Apr 2019 13:59

Instrument :

MSVOA\_U

ClientSampleId :

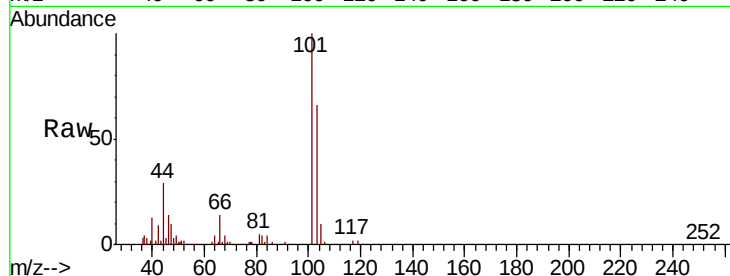
C0XG7

Tgt Ion:101 Resp: 39799

Ion Ratio Lower Upper

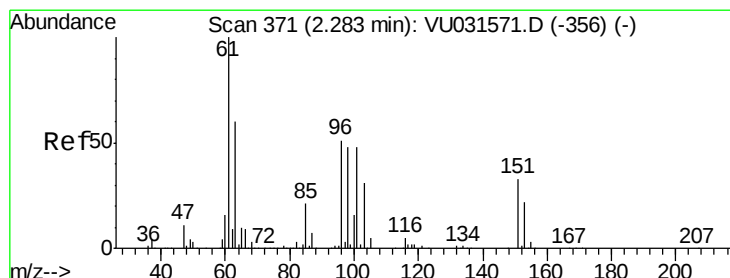
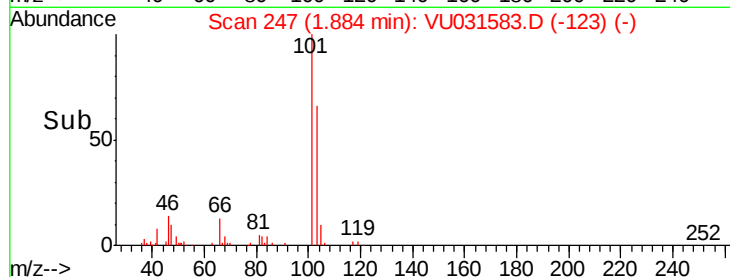
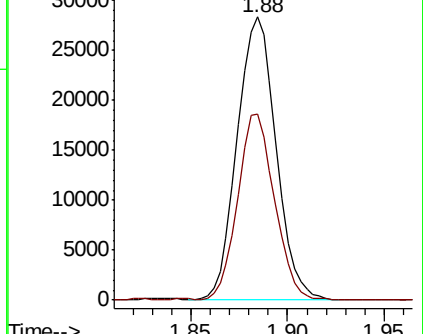
101 100

103 61.9 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: 0.671 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031583.D

Acq: 29 Apr 2019 13:59

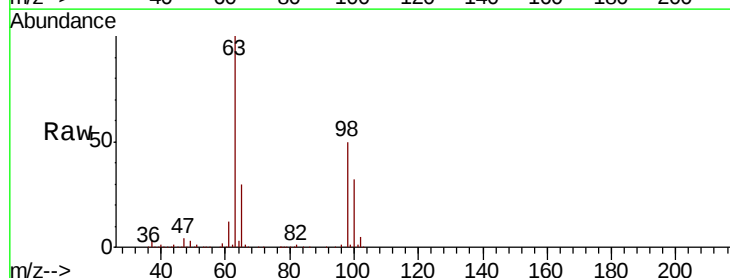
Tgt Ion:101 Resp: 3639

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

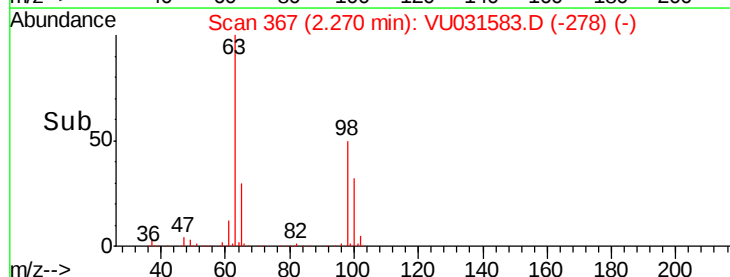
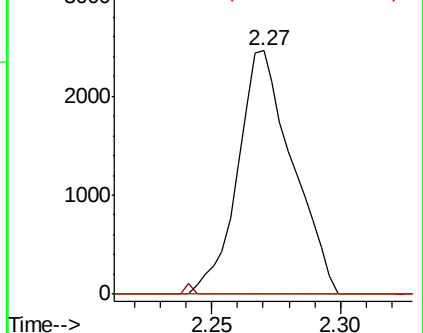
151 1.6 56.1 84.1#

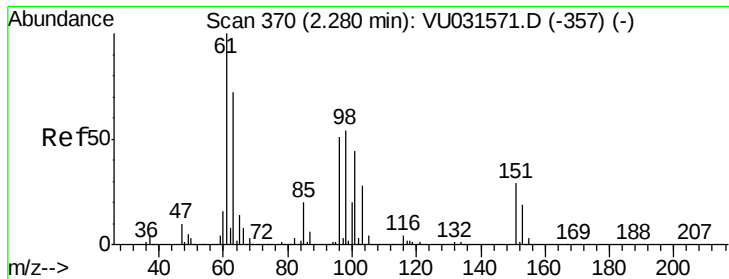


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.569 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031583.D

Acq: 29 Apr 2019 13:59

Instrument :

MSVOA\_U

ClientSampleId :

C0XG7

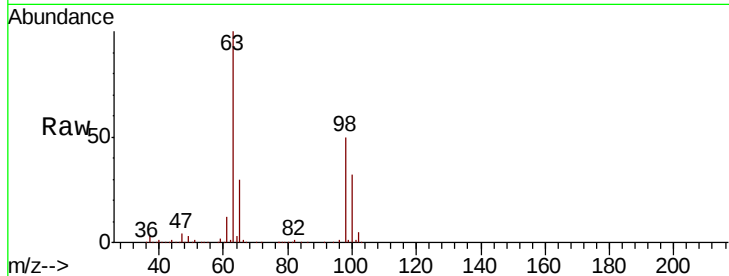
Tgt Ion: 96 Resp: 3006

Ion Ratio Lower Upper

96 100

61 1843.5 135.0 250.6#

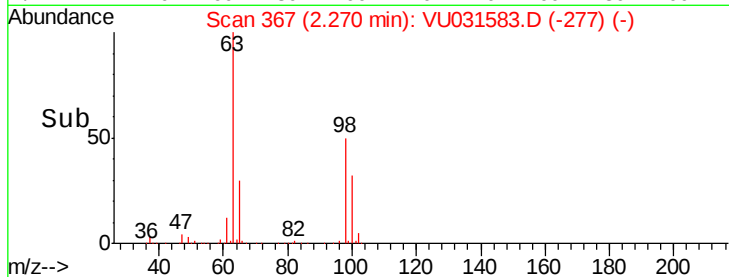
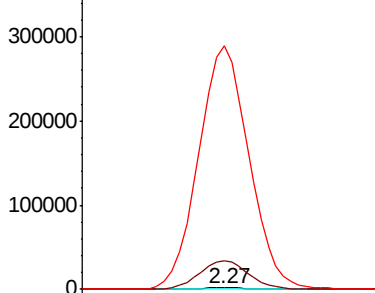
63 15524.2 103.5 192.3#



Abundance Ion 96.00 (95.70 to 96.70): VU031583.D (-277) (-)

Ion 61.00 (60.70 to 61.70): VU031583.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU031583.D (-277) (-)



#13

Acetone

Concen: 9.472 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU031583.D

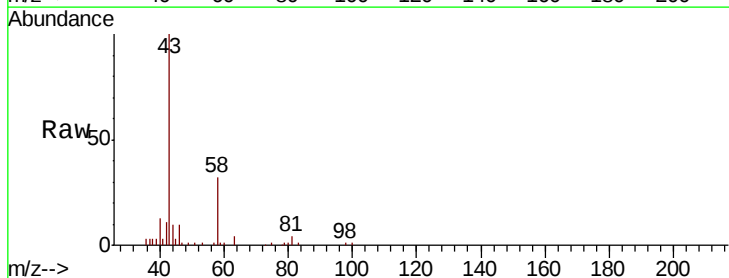
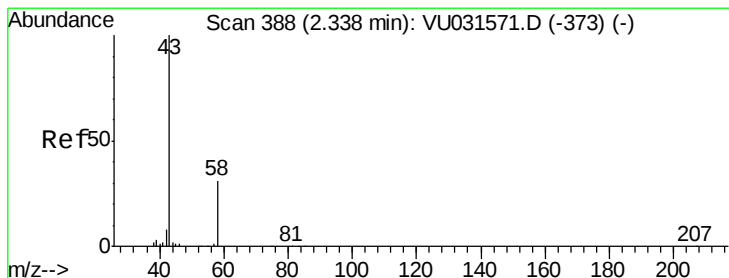
Acq: 29 Apr 2019 13:59

Tgt Ion: 43 Resp: 54768

Ion Ratio Lower Upper

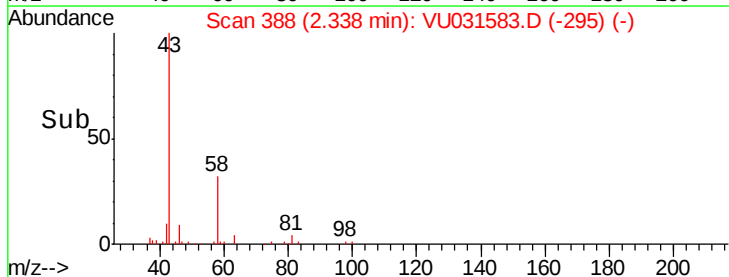
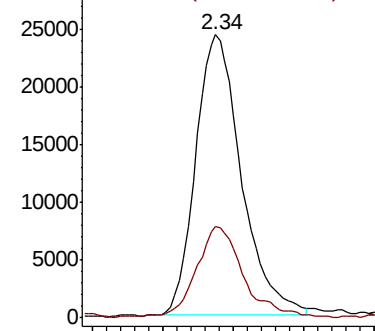
43 100

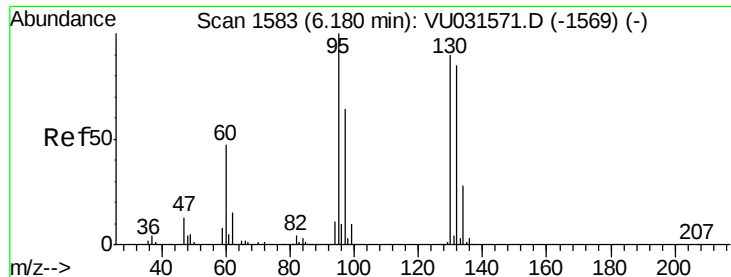
58 28.6 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031583.D (-295) (-)

Ion 58.00 (57.70 to 58.70): VU031583.D (-295) (-)





#34

Trichloroethene

Concen: 3.303 ug/L

RT: 6.19 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VU031583.D

Acq: 29 Apr 2019 13:59

Instrument :

MSVOA\_U

ClientSampleId :

C0XG7

Tgt Ion: 95 Resp: 19525

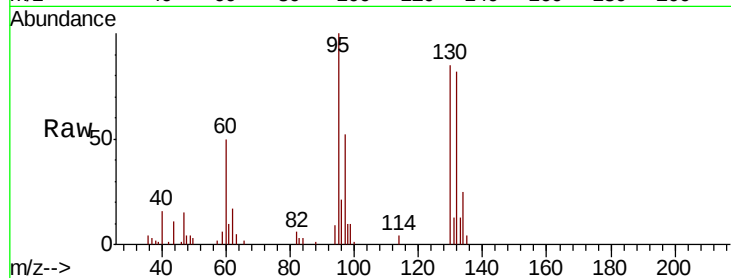
Ion Ratio Lower Upper

95 100

97 52.4 44.8 83.2

132 81.5 63.1 117.1

130 85.4 66.5 123.5

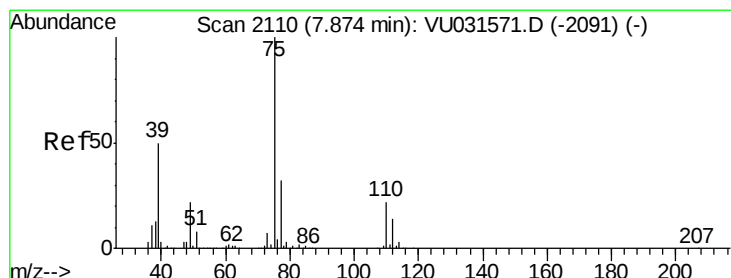
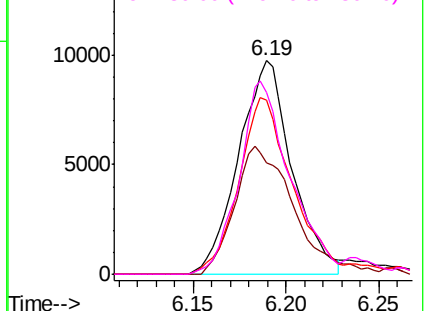
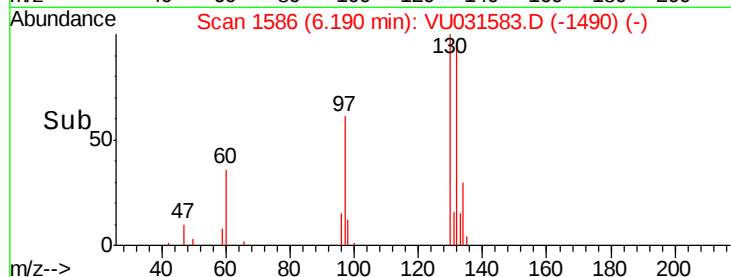


Abundance Ion 95.00 (94.70 to 95.70): VU031583.D (-1490) (-)

Ion 97.00 (96.70 to 97.70): VU031583.D (-1490) (-)

Ion 132.00 (131.70 to 132.70): VU031583.D (-1490) (-)

Ion 130.00 (129.70 to 130.70): VU031583.D (-1490) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.768 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031583.D

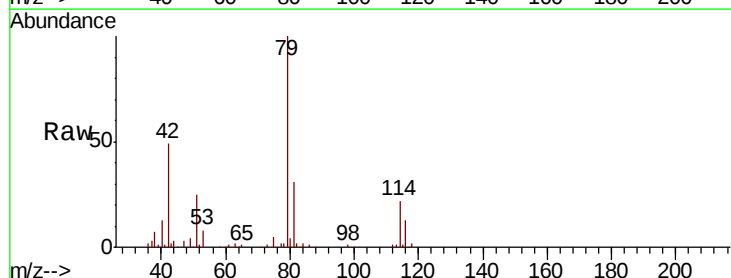
Acq: 29 Apr 2019 13:59

Tgt Ion: 75 Resp: 6375

Ion Ratio Lower Upper

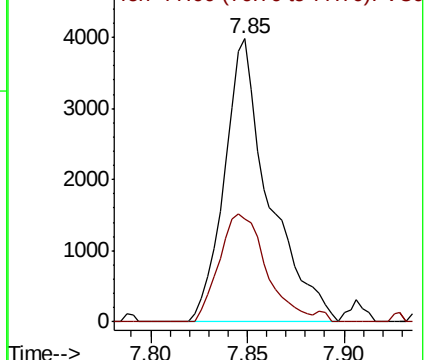
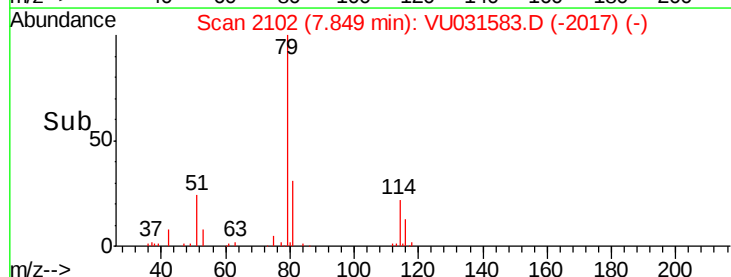
75 100

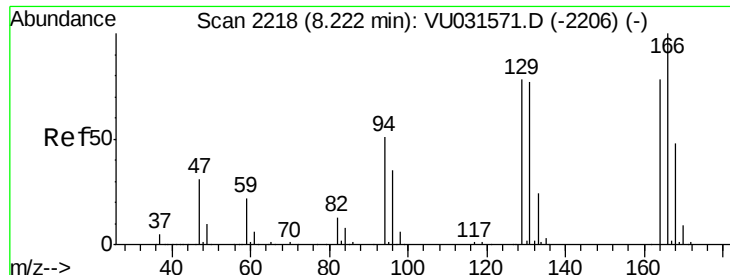
77 36.4 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU031583.D (-2017) (-)

Ion 77.00 (76.70 to 77.70): VU031583.D (-2017) (-)





#46

Tetrachloroethene

Concen: 9.915 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031583.D

Acq: 29 Apr 2019 13:59

Instrument :

MSVOA\_U

ClientSampleId :

C0XG7

Tgt Ion:164 Resp: 39954

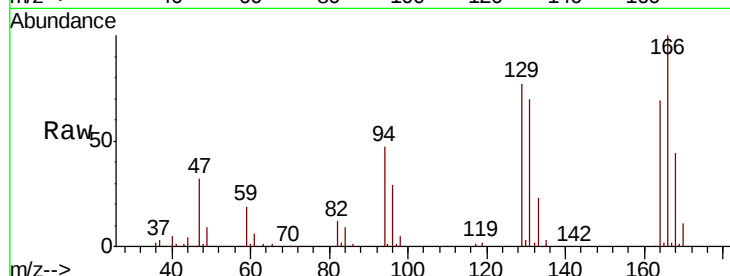
Ion Ratio Lower Upper

164 100

129 111.5 71.5 132.9

131 101.2 69.0 128.2

166 144.6 93.7 173.9

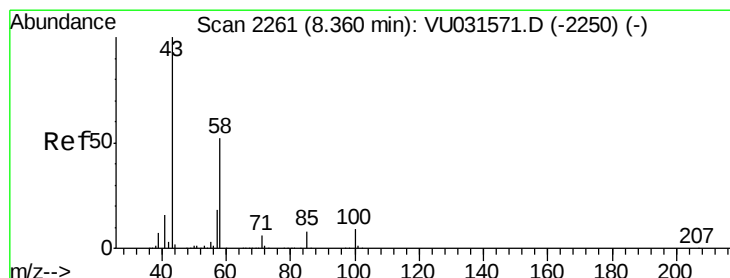
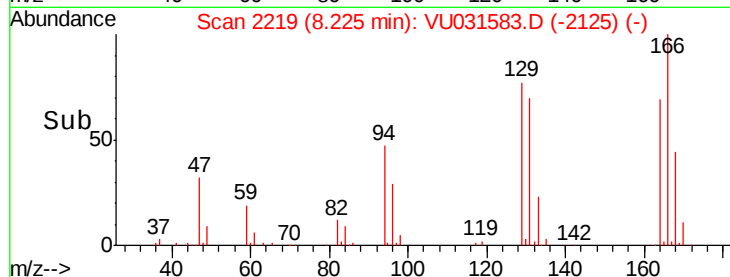
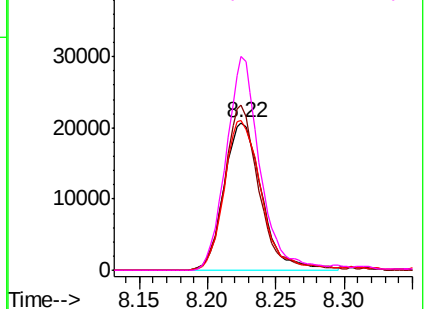


Abundance Ion 164.00 (163.70 to 164.70): V

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: 3.173 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.01 min

Lab File: VU031583.D

Acq: 29 Apr 2019 13:59

Tgt Ion: 43 Resp: 27335

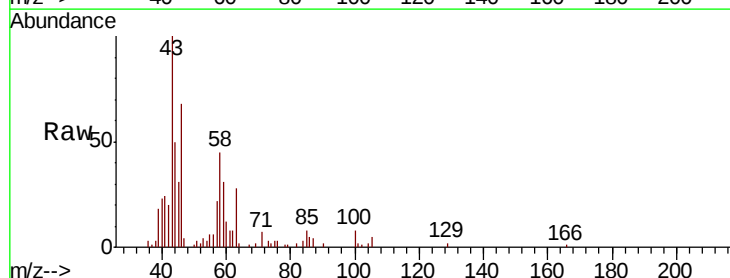
Ion Ratio Lower Upper

43 100

58 0.0 42.1 63.1#

57 1.7 14.6 22.0#

100 4.2 7.2 10.8#

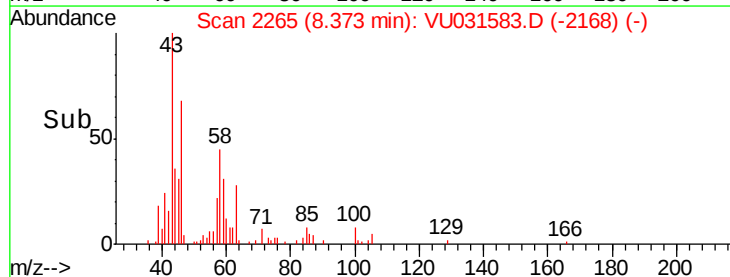
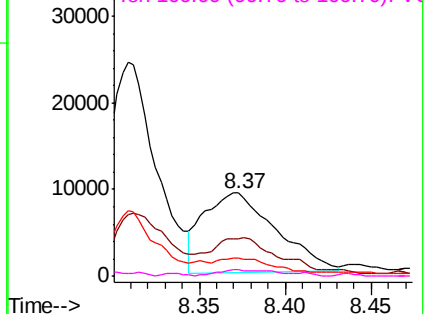


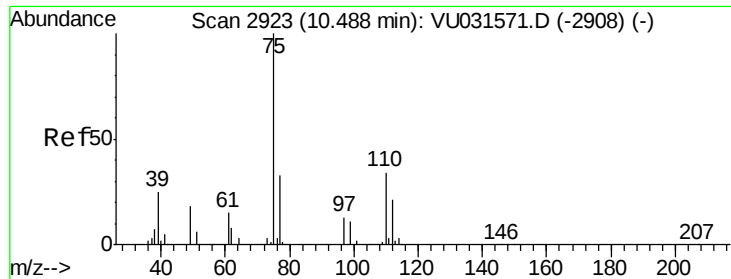
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 4.335 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031583.D

Acq: 29 Apr 2019 13:59

Instrument :

MSVOA\_U

ClientSampleId :

C0XG7

Tgt Ion: 75 Resp: 35579

Ion Ratio Lower Upper

75 100

77 35.8 25.9 38.9

