

Data File : VU031748.D  
Acq On : 03 May 2019 14:31  
Operator : JC/SP  
Sample : K2661-06  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0B26

Quant Time: May 04 02:40:17 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  | 827889   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 809935   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 318177   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 358353   | 51.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 103.44% |
| 7) Chloroethane-d5             | 1.68    | 69    | 282093   | 52.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 105.36% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 512603   | 37.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.30%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 671591   | 106.98   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 106.98% |
| 24) Chloroform-d               | 4.64    | 84    | 576179   | 45.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.82%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 395169   | 47.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.34%  |
| 32) Benzene-d6                 | 5.34    | 84    | 1214602  | 48.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.68%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 418142   | 47.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.58%  |
| 41) Toluene-d8                 | 7.56    | 98    | 1015077  | 46.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.72%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 168877   | 44.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.92%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 416386   | 109.94   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 109.94% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 525419   | 44.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.48%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 323319   | 48.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.64%  |

#### Target Compounds

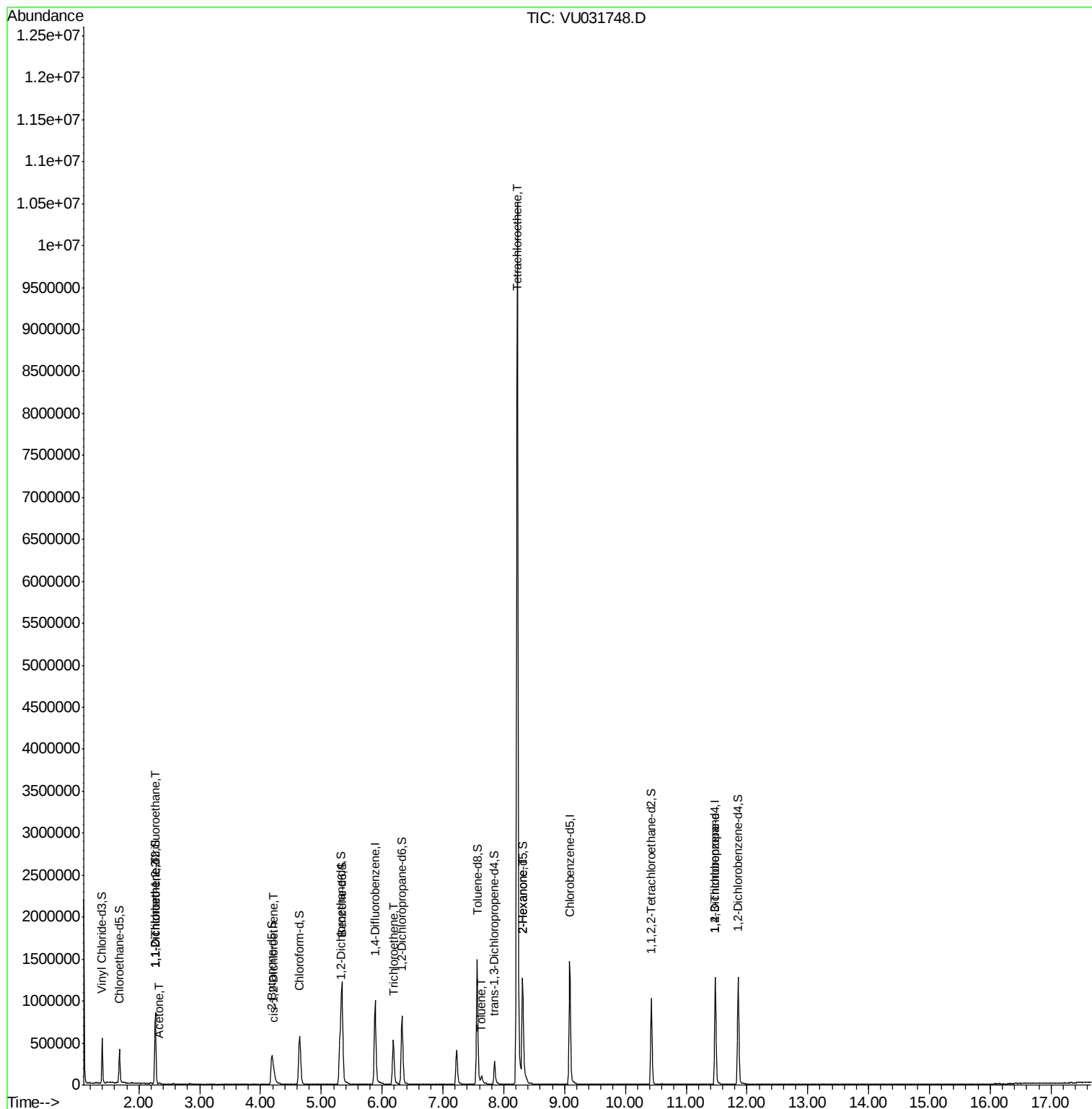
|                                |       |     |         |         |        | Qvalue |
|--------------------------------|-------|-----|---------|---------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 4135    | 0.623   | ug/L # | 21     |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 3703    | 0.573   | ug/L # | 1      |
| 13) Acetone                    | 2.34  | 43  | 11003   | 1.556   | ug/L   | 74     |
| 20) cis-1,2-Dichloroethene     | 4.22  | 96  | 29851   | 4.135   | ug/L   | 85     |
| 34) Trichloroethene            | 6.18  | 95  | 198814  | 27.543  | ug/L   | 96     |
| 42) Toluene                    | 7.64  | 91  | 61802   | 2.083   | ug/L   | 97     |
| 46) Tetrachloroethene          | 8.22  | 164 | 2263659 | 460.003 | ug/L   | 98     |
| 48) 2-Hexanone                 | 8.31  | 43  | 51001   | 4.848   | ug/L # | 47     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 43721   | 4.362   | ug/L   | 96     |

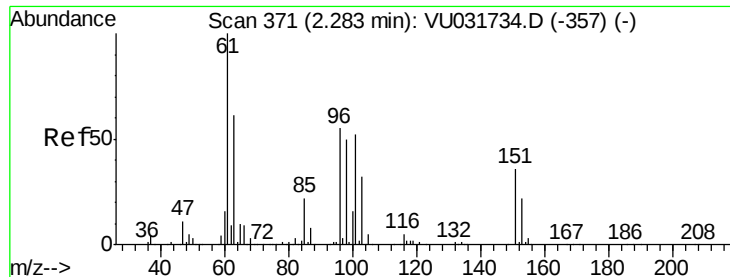
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU031748.D  
Acq On : 03 May 2019 14:31  
Operator : JC/SP  
Sample : K2661-06  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0B26

Quant Time: May 04 02:40:17 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





#10

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

Concen: 0.623 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031748.D

Acq: 03 May 2019 14:31

Instrument :

MSVOA\_U

ClientSampleId :

C0B26

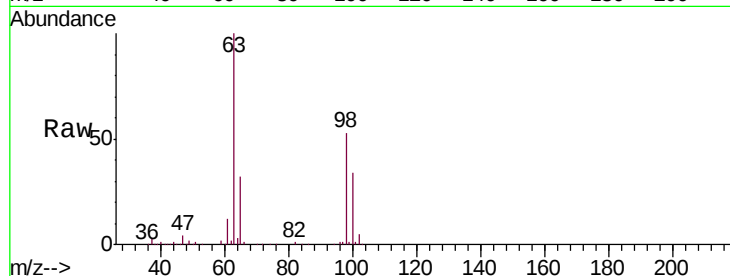
Tgt Ion: 101 Resp: 4135

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

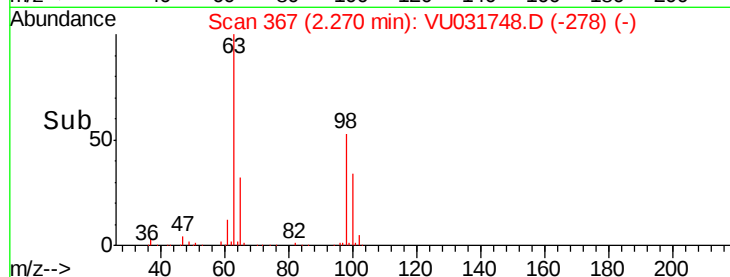
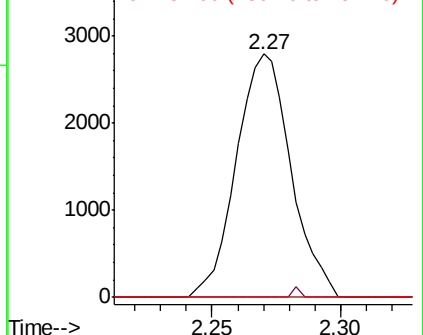
151 0.0 56.1 84.1#



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: 0.573 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031748.D

Acq: 03 May 2019 14:31

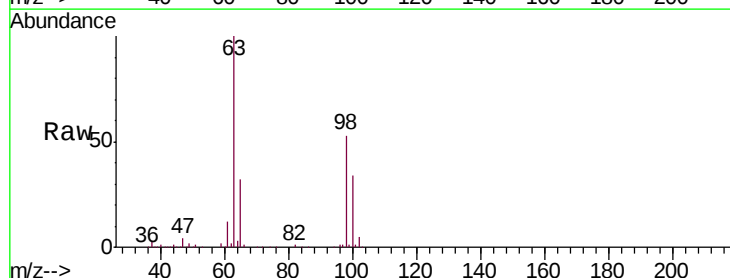
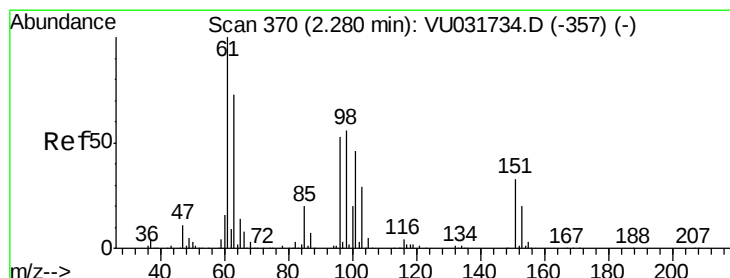
Tgt Ion: 96 Resp: 3703

Ion Ratio Lower Upper

96 100

61 1862.8 135.0 250.6#

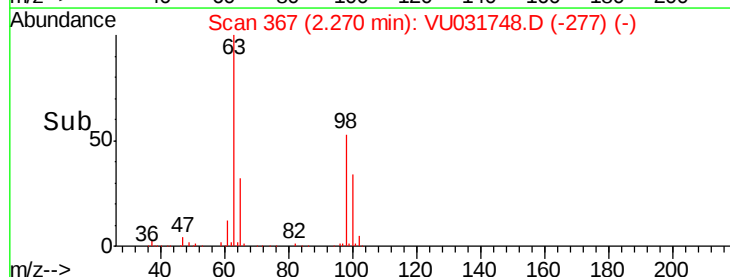
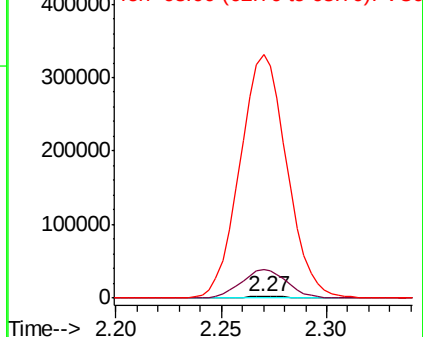
63 15604.9 103.5 192.3#

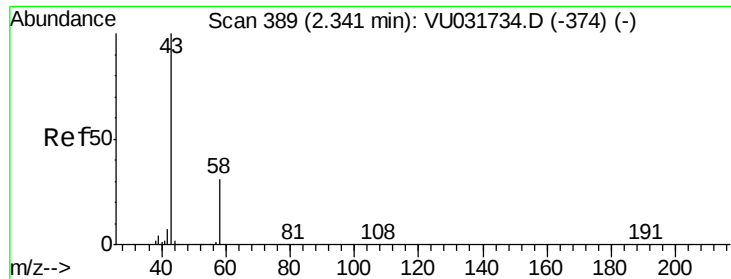


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.556 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU031748.D

Acq: 03 May 2019 14:31

Instrument :

MSVOA\_U

ClientSampleId :

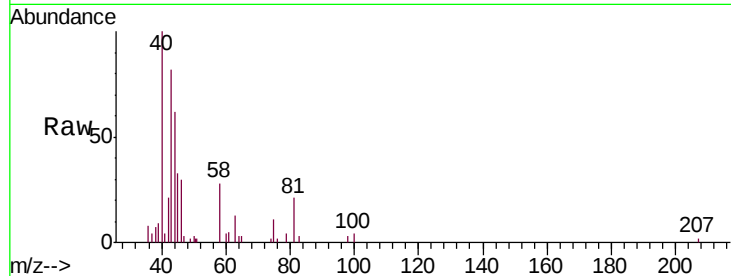
C0B26

Tgt Ion: 43 Resp: 11003

Ion Ratio Lower Upper

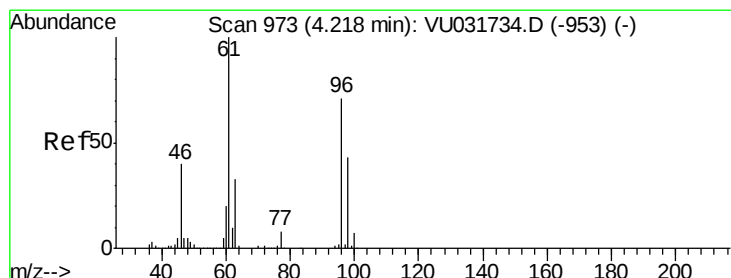
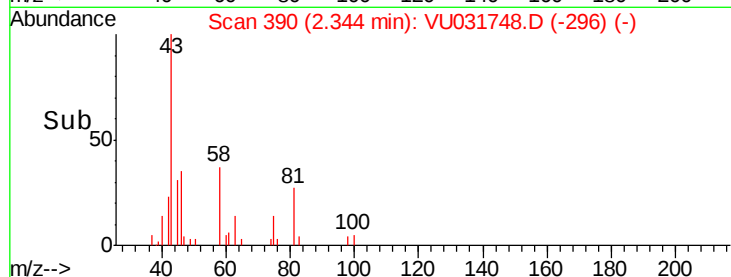
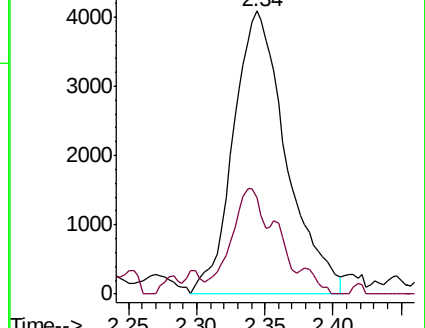
43 100

58 17.8 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031748.D (-390) (-)

Ion 58.00 (57.70 to 58.70): VU031748.D (-390) (-)



#20

cis-1,2-Dichloroethene

Concen: 4.135 ug/L

RT: 4.22 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU031748.D

Acq: 03 May 2019 14:31

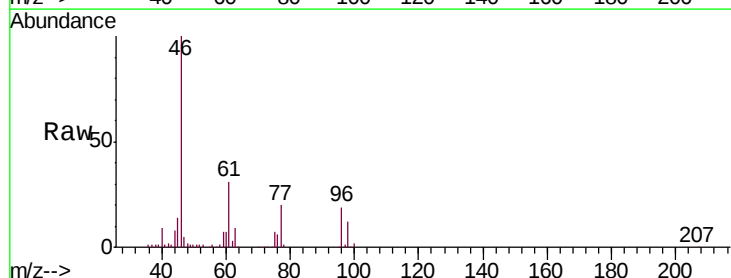
Tgt Ion: 96 Resp: 29851

Ion Ratio Lower Upper

96 100

61 161.0 99.5 184.7

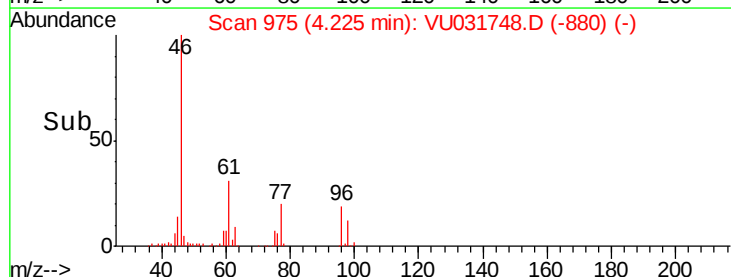
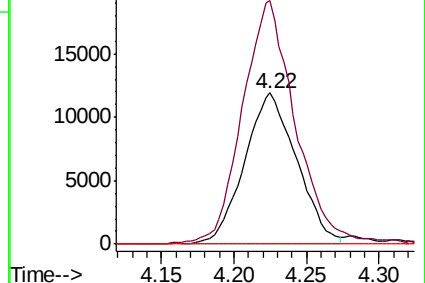
68 0.0 0.0 0.0

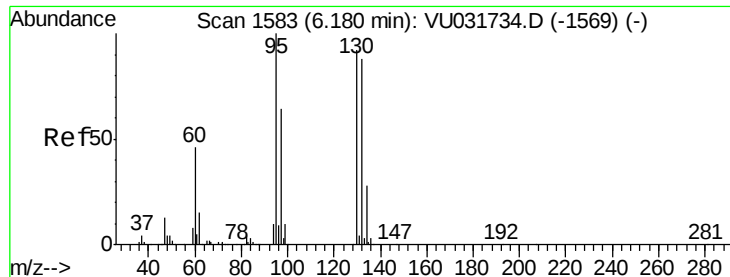


Abundance Ion 96.00 (95.70 to 96.70): VU031748.D (-975) (-)

Ion 61.00 (60.70 to 61.70): VU031748.D (-975) (-)

Ion 68.00 (67.70 to 68.70): VU031748.D (-975) (-)





#34

Trichloroethene

Concen: 27.543 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031748.D

Acq: 03 May 2019 14:31

Instrument :

MSVOA\_U

ClientSampleId :

C0B26

Tgt Ion: 95 Resp: 198814

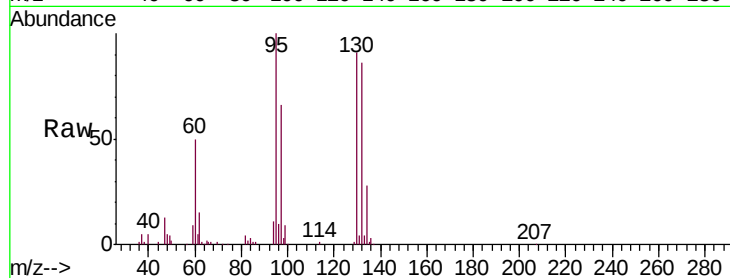
Ion Ratio Lower Upper

95 100

97 66.1 44.8 83.2

132 86.3 63.1 117.1

130 91.3 66.5 123.5

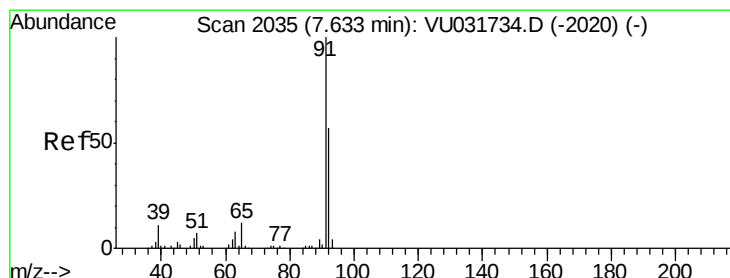
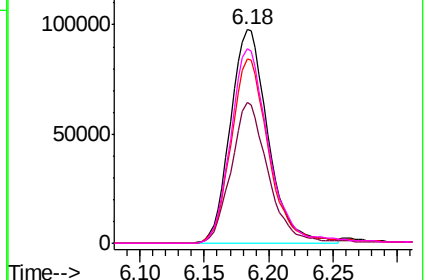
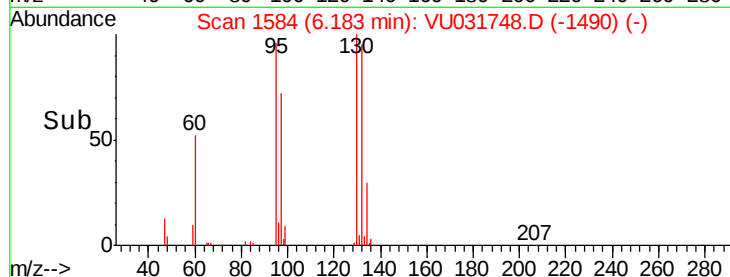


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#42

Toluene

Concen: 2.083 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031748.D

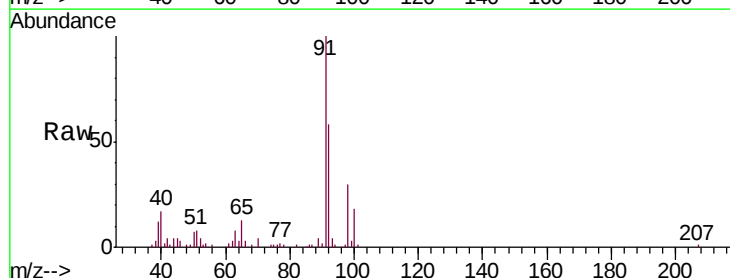
Acq: 03 May 2019 14:31

Tgt Ion: 91 Resp: 61802

Ion Ratio Lower Upper

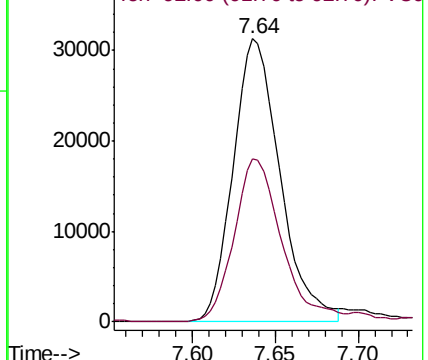
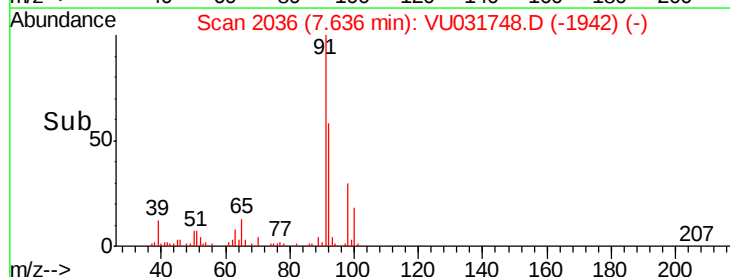
91 100

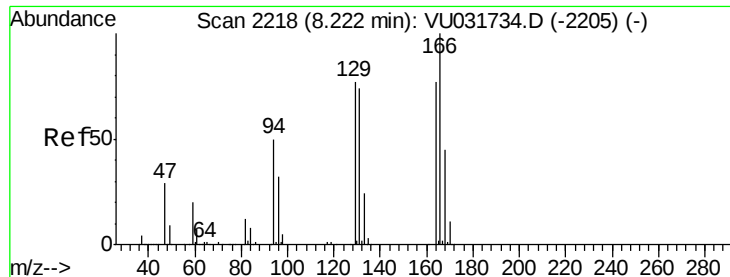
92 57.8 39.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#46

Tetrachloroethene

Concen: 460.003 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031748.D

Acq: 03 May 2019 14:31

Instrument :

MSVOA\_U

ClientSampleId :

C0B26

Tgt Ion:164 Resp: 2263659

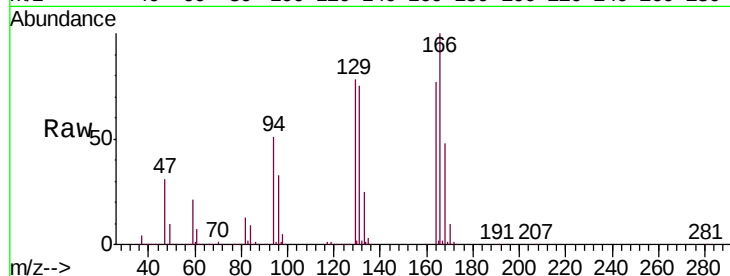
Ion Ratio Lower Upper

164 100

129 101.0 71.5 132.9

131 97.4 69.0 128.2

166 130.1 93.7 173.9

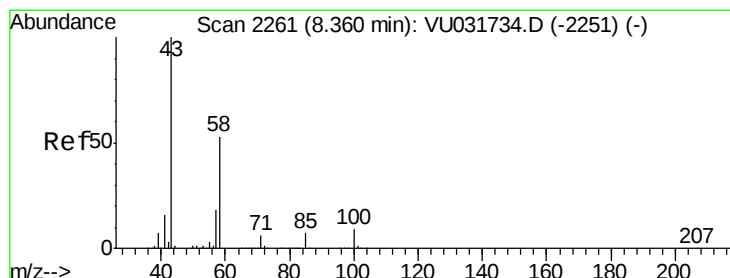
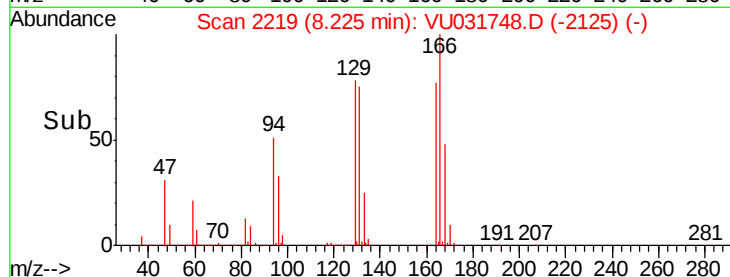
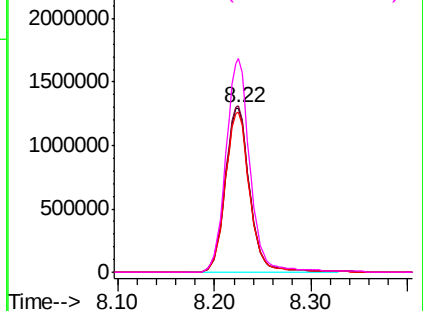


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.848 ug/L

RT: 8.31 min Scan# 2245

Delta R.T. -0.05 min

Lab File: VU031748.D

Acq: 03 May 2019 14:31

Tgt Ion: 43 Resp: 51001

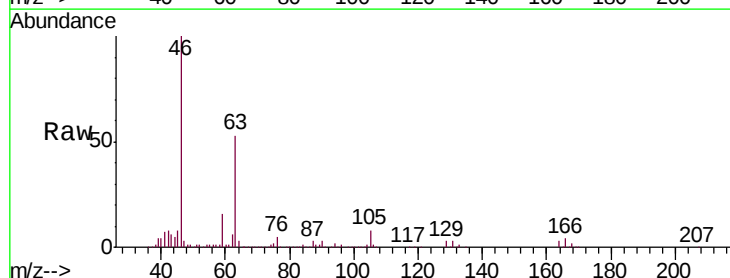
Ion Ratio Lower Upper

43 100

58 0.0 42.1 63.1#

57 19.9 14.6 22.0

100 0.2 7.2 10.8#

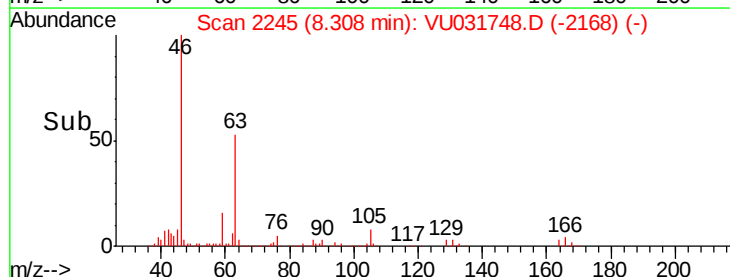
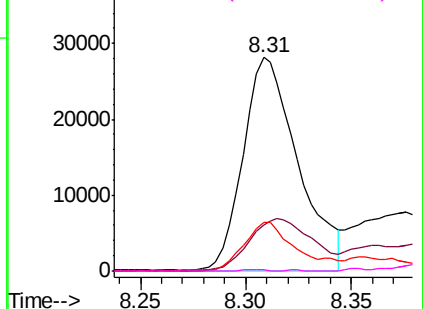


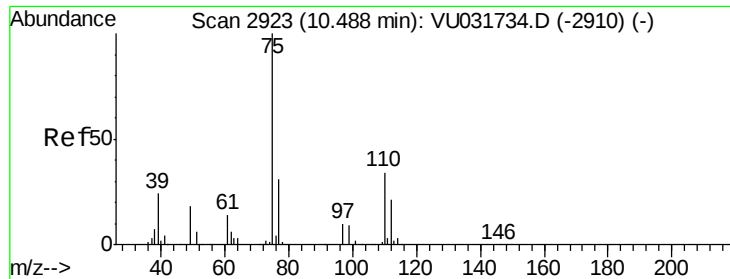
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 4.362 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031748.D

Acq: 03 May 2019 14:31

Instrument :

MSVOA\_U

ClientSampleId :

C0B26

Tgt Ion: 75 Resp: 43721

Ion Ratio Lower Upper

75 100

77 34.7 25.9 38.9

