

Data File : VU032613.D  
Acq On : 11 Jun 2019 16:35  
Operator : JC/SP  
Sample : K3292-08  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB8P9

Quant Time: Jun 12 07:32:05 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jun 12 07:28:55 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 168730   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 156694   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 79741    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 43624    | 39.85    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 79.70% |
| 7) Chloroethane-d5             | 1.68    | 69    | 38495    | 43.76    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.52% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 67374    | 31.43    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 62.86% |
| 21) 2-Butanone-d5              | 4.17    | 46    | 90099    | 98.35    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 98.35% |
| 24) Chloroform-d               | 4.64    | 84    | 95821    | 46.93    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.86% |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 63520    | 49.39    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.78% |
| 32) Benzene-d6                 | 5.33    | 84    | 190390   | 46.80    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.60% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 61866    | 48.50    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.00% |
| 41) Toluene-d8                 | 7.56    | 98    | 170919   | 44.31    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.62% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 27720    | 45.41    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.82% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 48466    | 78.33    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 78.33% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 91280    | 49.39    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.78% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 75701    | 49.56    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.12% |

#### Target Compounds

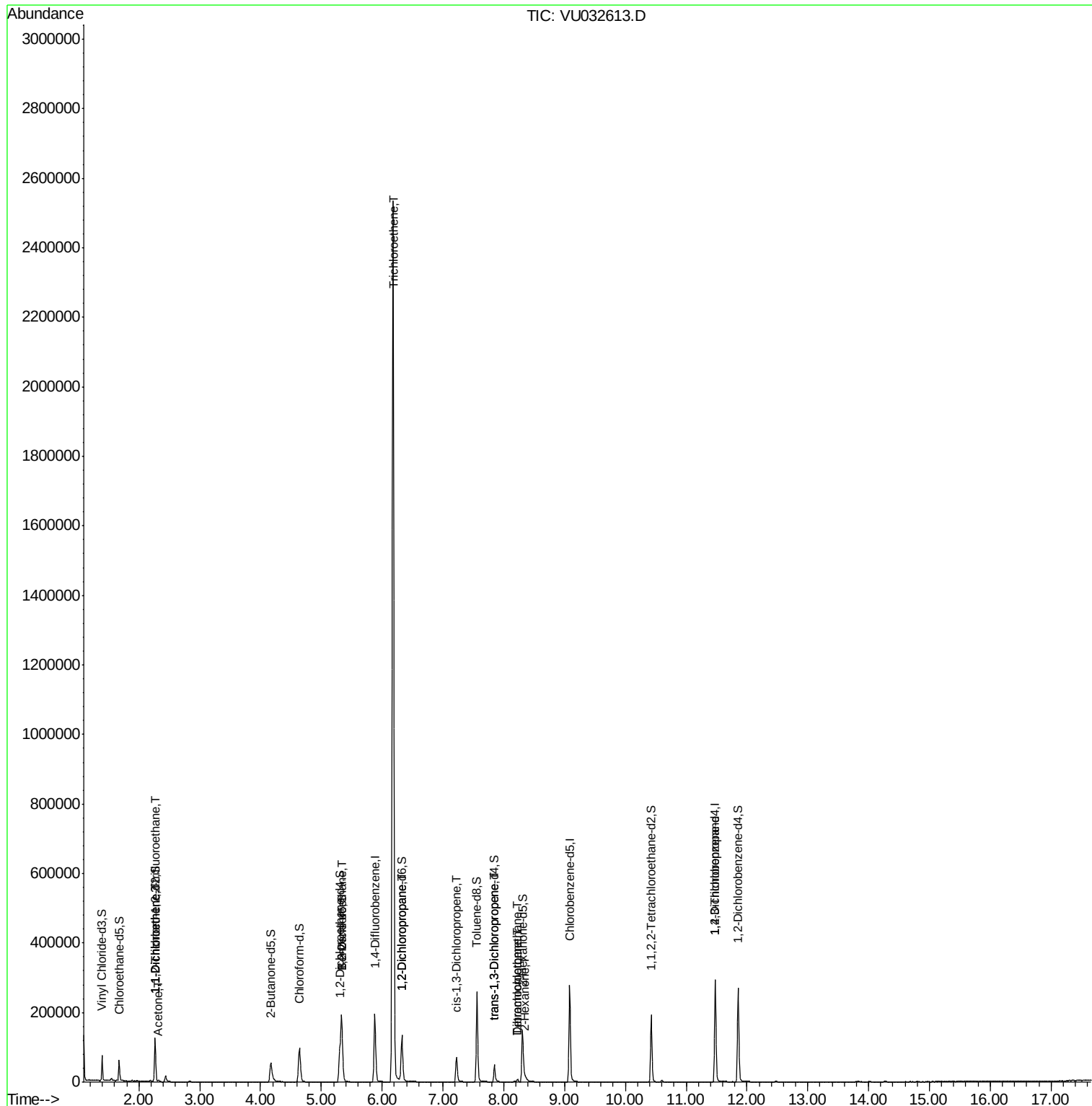
|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 647    | 0.627 ug/L # | 18     |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 563    | 0.562 ug/L # | 1      |
| 13) Acetone                    | 2.32  | 43  | 3758   | 3.976 ug/L   | 92     |
| 27) 1,2-Dichloroethane         | 5.33  | 62  | 1051   | 0.651 ug/L # | 75     |
| 34) Trichloroethene            | 6.18  | 95  | 835996 | 697.952 ug/L | 97     |
| 37) 1,2-Dichloropropane        | 6.32  | 63  | 6762   | 5.794 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene    | 7.22  | 75  | 1984   | 1.077 ug/L # | 77     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 1325   | 0.811 ug/L   | 98     |
| 46) Tetrachloroethene          | 8.22  | 164 | 1677   | 1.695 ug/L   | 97     |
| 48) 2-Hexanone                 | 8.36  | 43  | 5045   | 3.271 ug/L # | 40     |
| 49) Dibromochloromethane       | 8.23  | 129 | 1628   | 1.269 ug/L # | 11     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 9767   | 6.438 ug/L   | 94     |

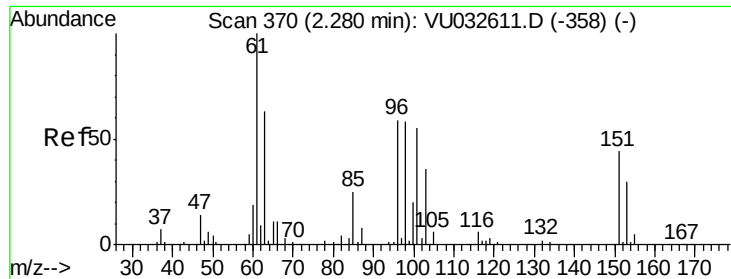
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_U  
ClientSampleId :  
DB8P9

Quant Time: Jun 12 07:32:05 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jun 12 07:28:55 2019  
Response via : Initial Calibration





#10

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

Concen: 0.627 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032613.D

Acq: 11 Jun 2019 16:35

Instrument :

MSVOA\_U

ClientSampled :

DB8P9

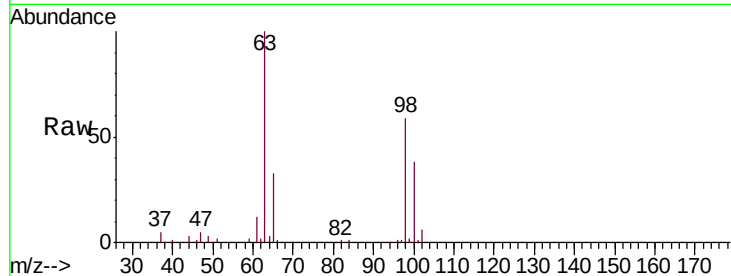
Tgt Ion: 101 Resp: 647

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

151 0.0 63.0 94.4#



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

2.27

400

300

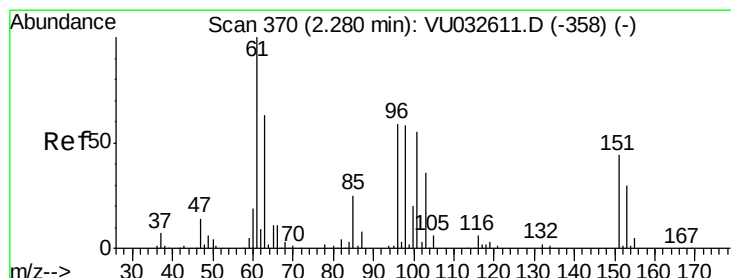
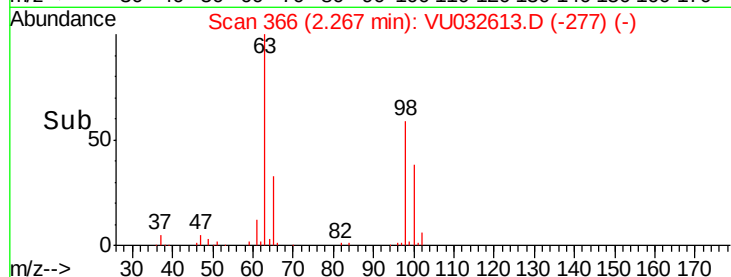
200

100

0

2.24 2.26 2.28 2.30

Time-->



#12

1,1-Dichloroethene

Concen: 0.562 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032613.D

Acq: 11 Jun 2019 16:35

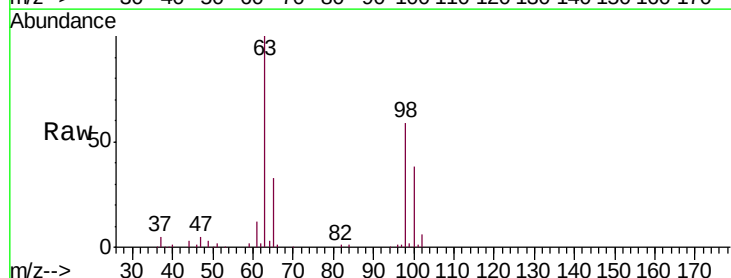
Tgt Ion: 96 Resp: 563

Ion Ratio Lower Upper

96 100

61 1256.8 129.5 240.5#

63 10137.6 103.4 192.0#



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

60000

50000

40000

30000

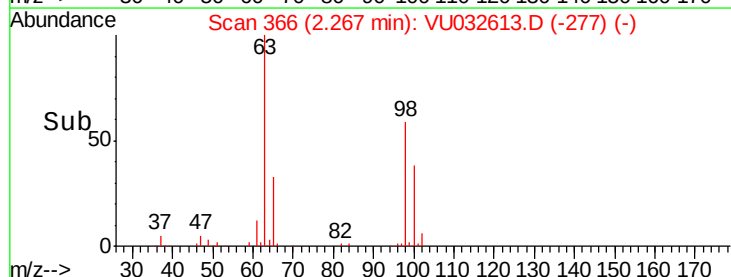
20000

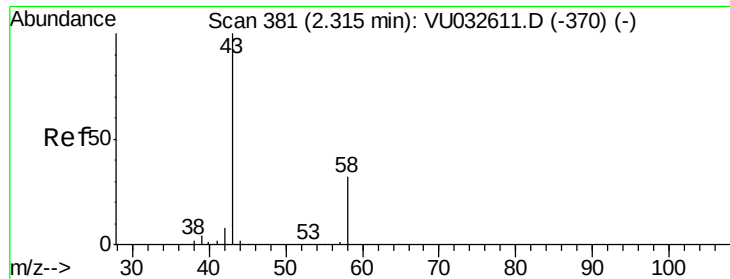
10000

0

2.24 2.26 2.28 2.30

Time-->





#13

Acetone

Concen: 3.976 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032613.D

Acq: 11 Jun 2019 16:35

Instrument :

MSVOA\_U

ClientSampleId :

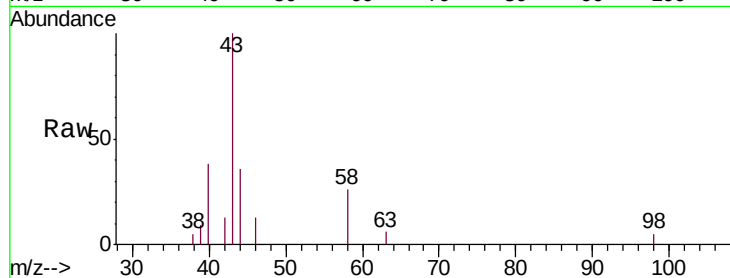
DB8P9

Tgt Ion: 43 Resp: 3758

Ion Ratio Lower Upper

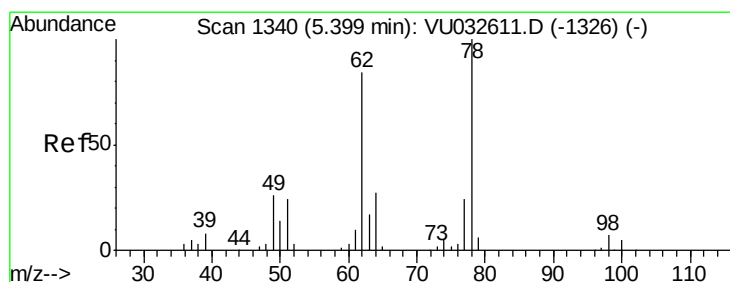
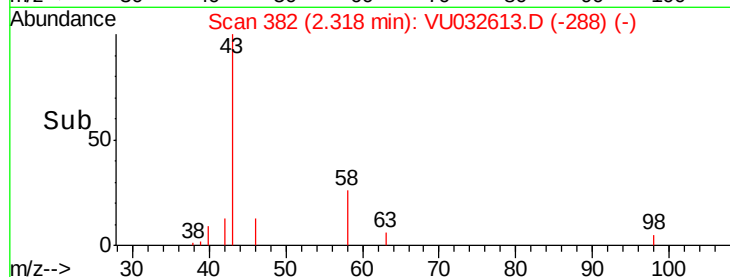
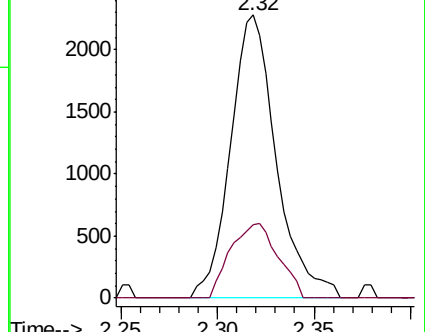
43 100

58 27.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032611.D (-370) (-)

Ion 58.00 (57.70 to 58.70): VU032611.D (-370) (-)



#27

1,2-Dichloroethane

Concen: 0.651 ug/L

RT: 5.33 min Scan# 1318

Delta R.T. -0.07 min

Lab File: VU032613.D

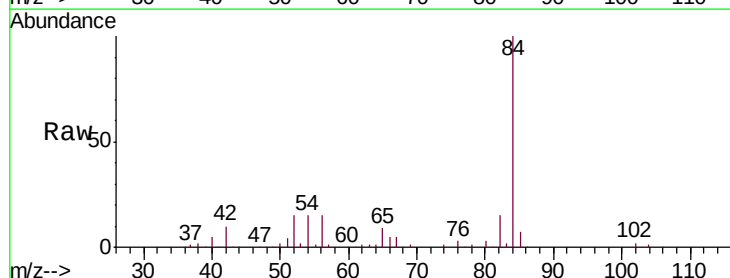
Acq: 11 Jun 2019 16:35

Tgt Ion: 62 Resp: 1051

Ion Ratio Lower Upper

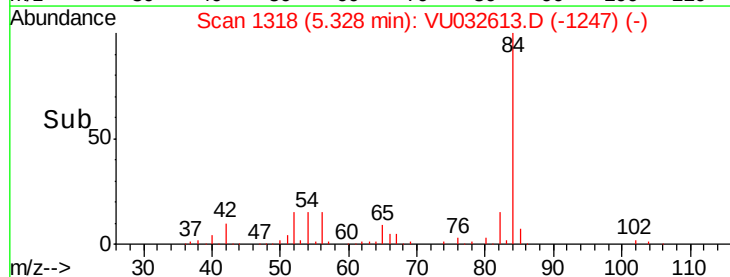
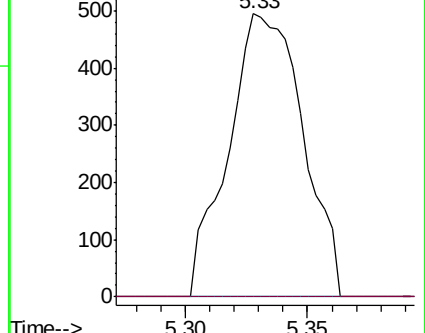
62 100

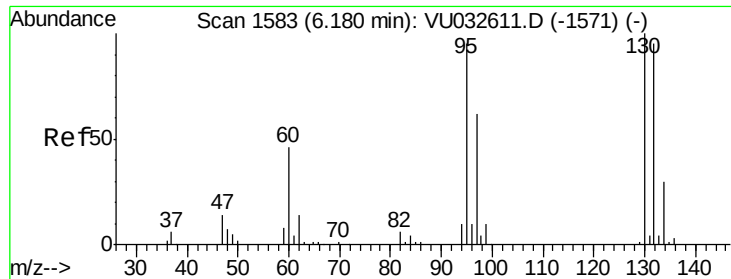
98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032611.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU032611.D (-1326) (-)

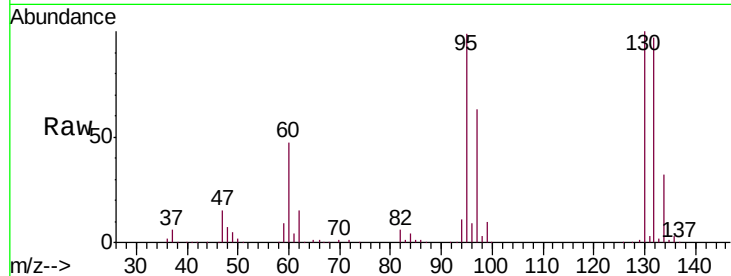




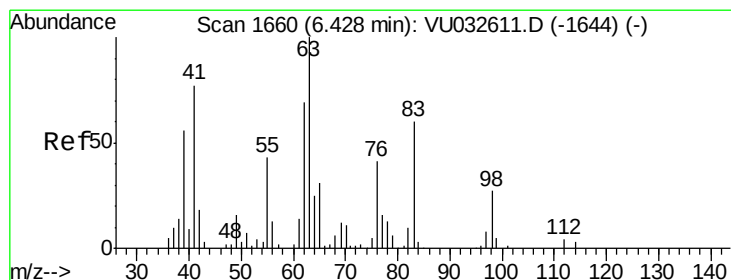
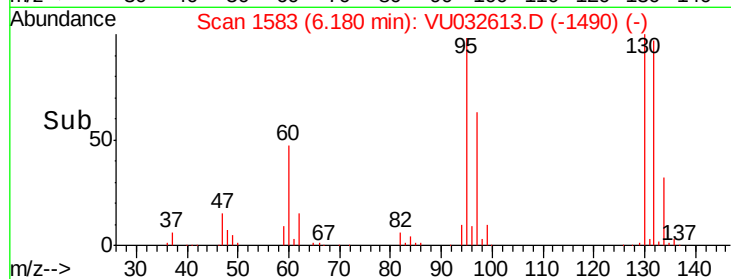
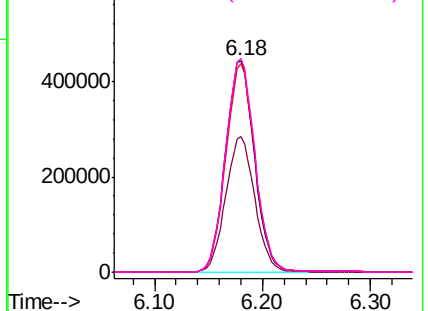
#34  
 Trichloroethene  
 Concen: 697.952 ug/L  
 RT: 6.18 min Scan# 1583  
 Delta R.T. -0.00 min  
 Lab File: VU032613.D  
 Acq: 11 Jun 2019 16:35

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB8P9

Tgt Ion: 95 Resp: 835996  
 Ion Ratio Lower Upper  
 95 100  
 97 64.0 45.8 85.2  
 132 98.4 71.0 131.8  
 130 101.0 73.4 136.2

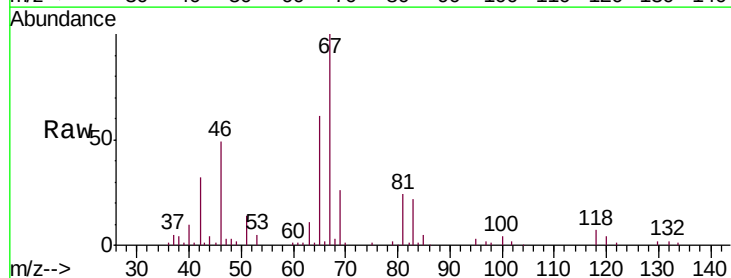


Abundance Ion 95.00 (94.70 to 95.70): VU0  
 Ion 97.00 (96.70 to 97.70): VU0  
 Ion 132.00 (131.70 to 132.70): V  
 Ion 130.00 (129.70 to 130.70): V

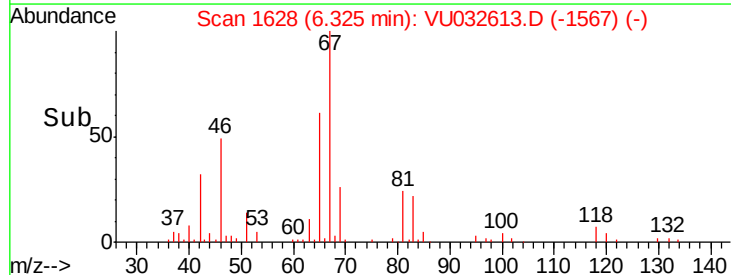
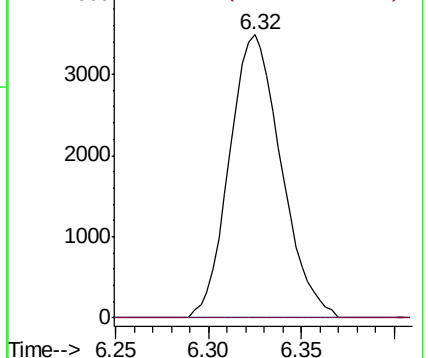


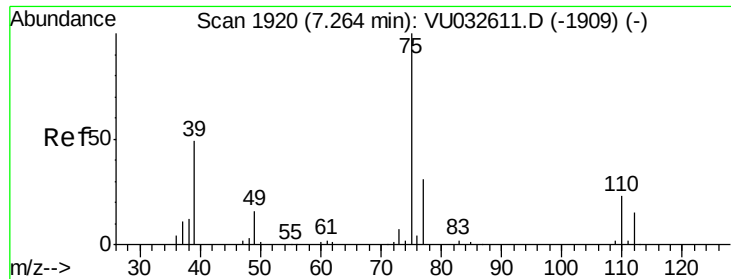
#37  
 1,2-Dichloropropane  
 Concen: 5.794 ug/L  
 RT: 6.32 min Scan# 1628  
 Delta R.T. -0.10 min  
 Lab File: VU032613.D  
 Acq: 11 Jun 2019 16:35

Tgt Ion: 63 Resp: 6762  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU0  
 Ion 112.00 (111.70 to 112.70): V

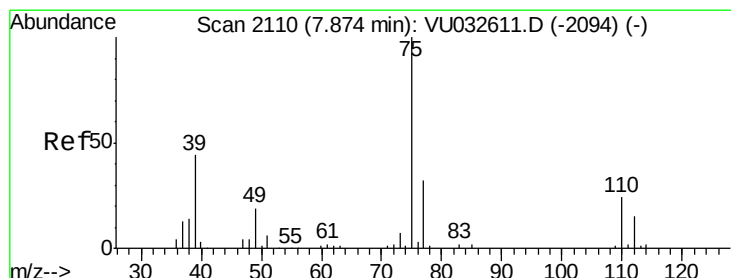
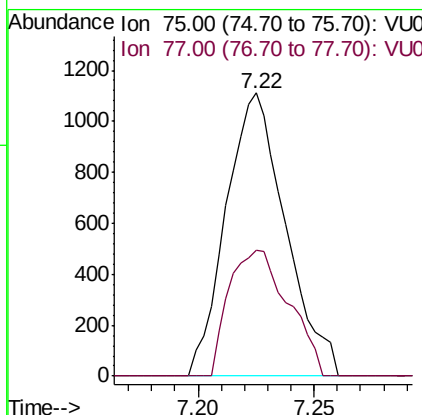
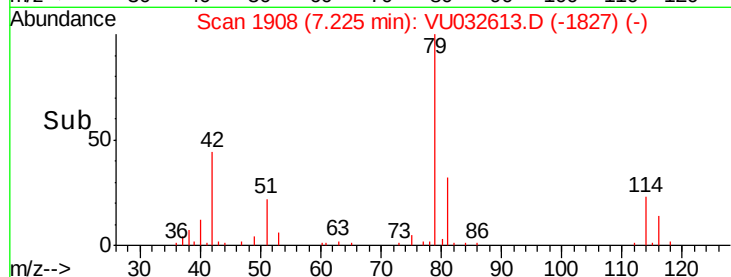
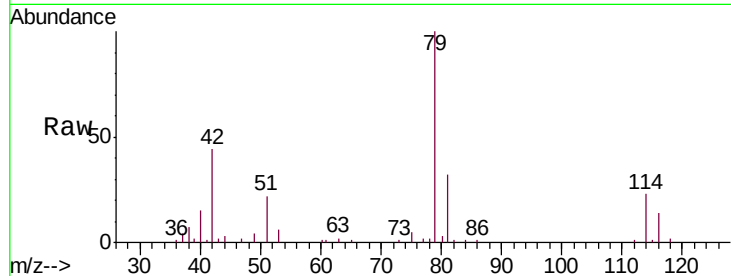




#39  
 cis-1,3-Dichloropropene  
 Concen: 1.077 ug/L  
 RT: 7.22 min Scan# 1908  
 Delta R.T. -0.04 min  
 Lab File: VU032613.D  
 Acq: 11 Jun 2019 16:35

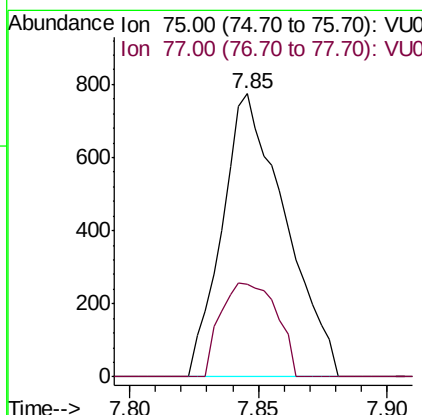
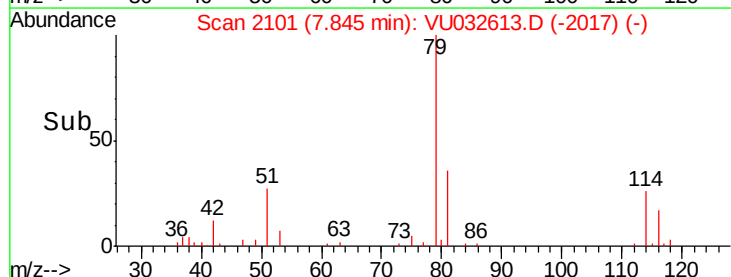
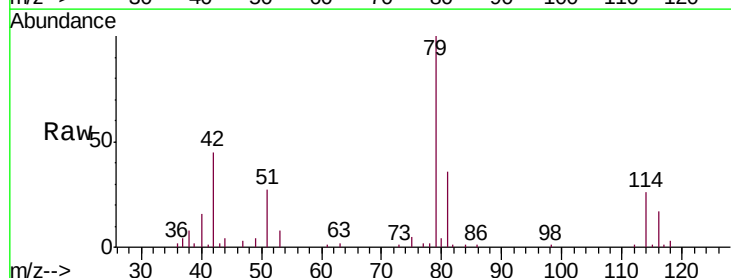
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB8P9

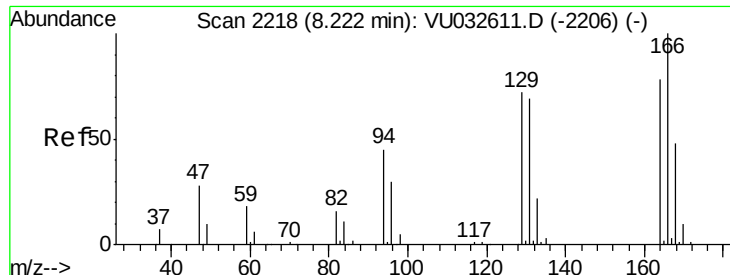
Tgt Ion: 75 Resp: 1984  
 Ion Ratio Lower Upper  
 75 100  
 77 44.5 22.0 41.0#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.811 ug/L  
 RT: 7.85 min Scan# 2101  
 Delta R.T. -0.03 min  
 Lab File: VU032613.D  
 Acq: 11 Jun 2019 16:35

Tgt Ion: 75 Resp: 1325  
 Ion Ratio Lower Upper  
 75 100  
 77 32.9 22.1 41.1





#46

Tetrachloroethene

Concen: 1.695 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032613.D

Acq: 11 Jun 2019 16:35

Instrument :

MSVOA\_U

ClientSampleId :

DB8P9

Tgt Ion:164 Resp: 1677

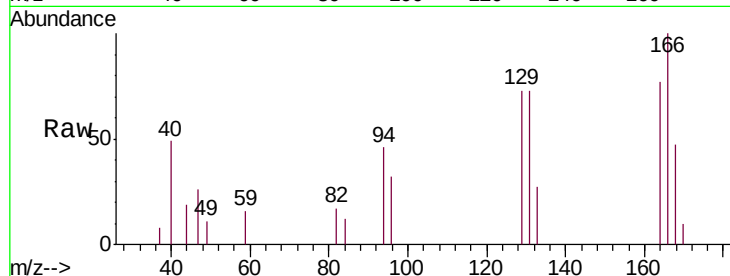
Ion Ratio Lower Upper

164 100

129 94.8 65.3 121.3

131 94.8 64.0 119.0

166 130.4 88.8 165.0

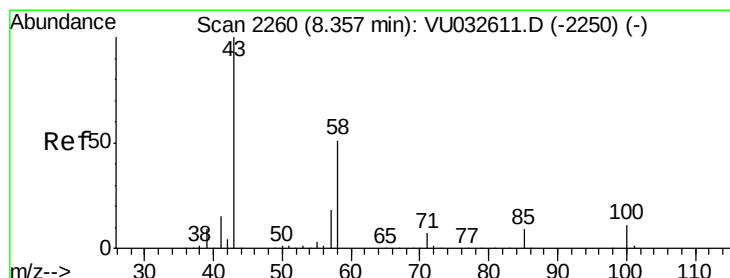
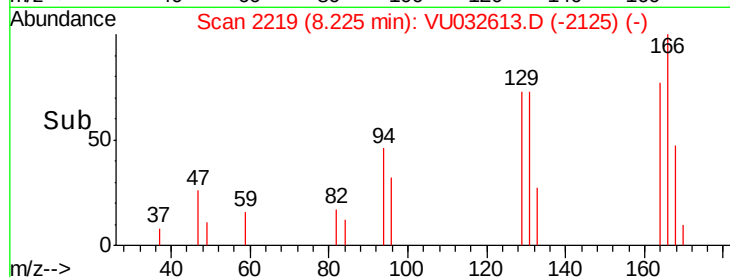
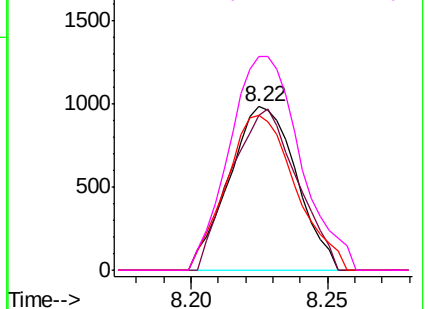


Abundance Ion 164.00 (163.70 to 164.70): V

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: 3.271 ug/L

RT: 8.36 min Scan# 2261

Delta R.T. 0.00 min

Lab File: VU032613.D

Acq: 11 Jun 2019 16:35

Tgt Ion: 43 Resp: 5045

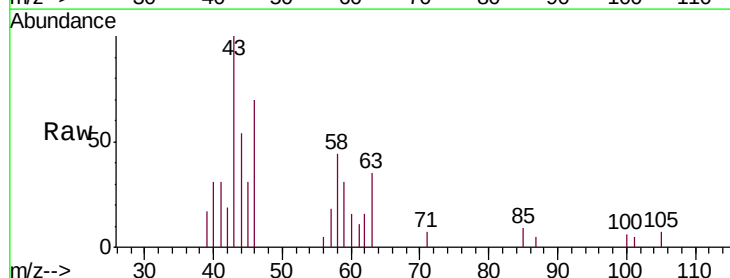
Ion Ratio Lower Upper

43 100

58 0.0 42.0 63.0#

57 0.0 14.6 22.0#

100 3.1 9.2 13.8#

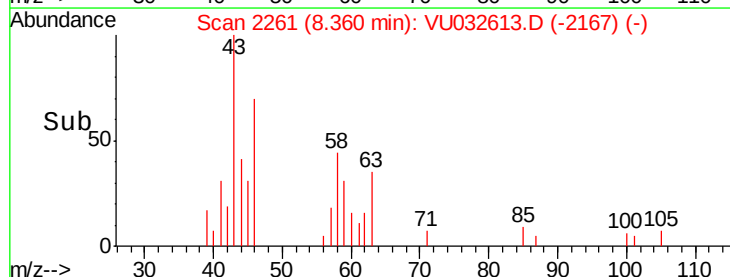
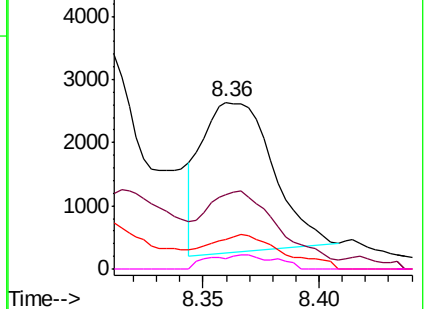


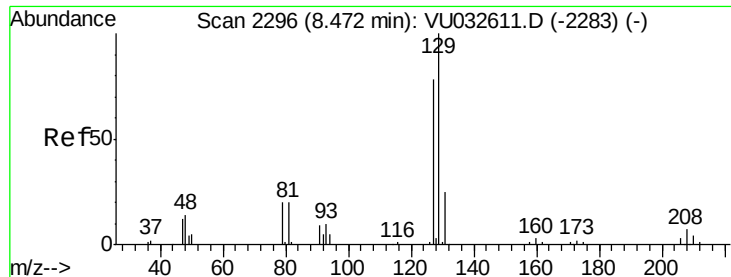
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#49

Dibromochloromethane

Concen: 1.269 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. -0.24 min

Lab File: VU032613.D

Acq: 11 Jun 2019 16:35

Instrument :

MSVOA\_U

ClientSampleId :

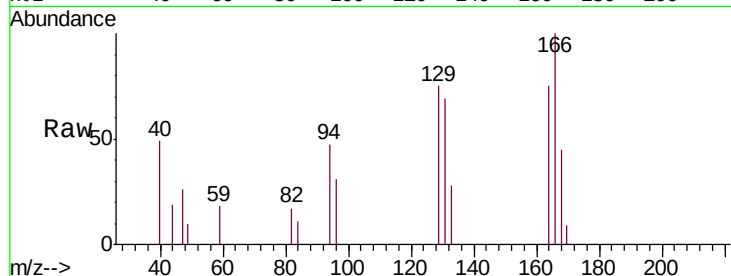
DB8P9

Tgt Ion:129 Resp: 1628

Ion Ratio Lower Upper

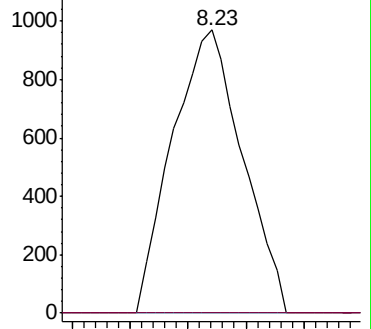
129 100

127 0.0 53.6 99.6#

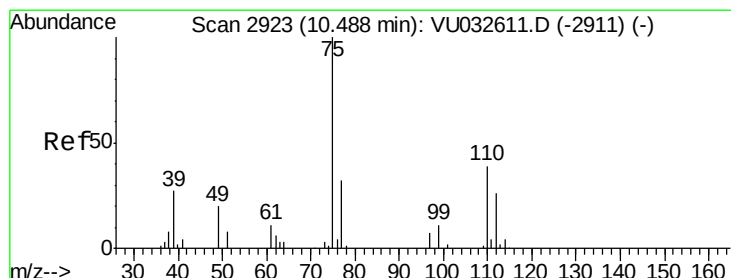
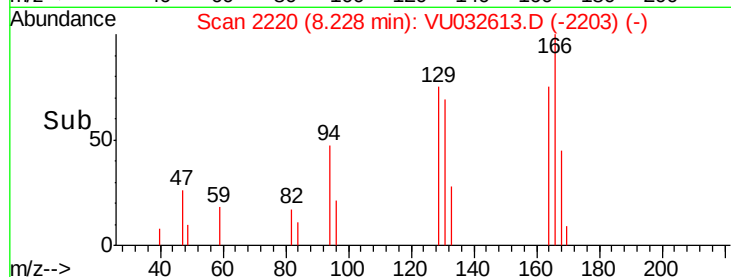


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time--> 8.18 8.20 8.22 8.24 8.26



#59

1,2,3-Trichloropropane

Concen: 6.438 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032613.D

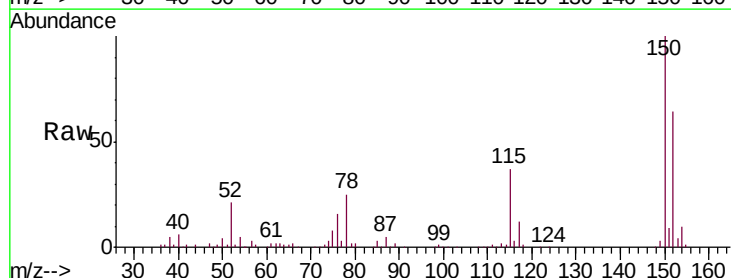
Acq: 11 Jun 2019 16:35

Tgt Ion: 75 Resp: 9767

Ion Ratio Lower Upper

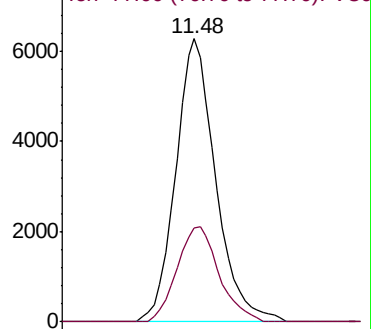
75 100

77 35.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time--> 11.45 11.50 11.55

