

Data File : VU029946.D  
Acq On : 10 Mar 2019 14:06  
Operator : JC/SP  
Sample : K1818-01ME  
Misc : 5.65g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF0Q5ME

Quant Time: Mar 11 07:14:03 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031119WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Mar 11 07:10:15 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 570716   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 572714   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 284626   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 150381   | 43.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 86.38%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 61018    | 20.84    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 41.68%# |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 216098   | 32.92    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.84%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 257079   | 95.29    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.29%  |
| 24) Chloroform-d               | 4.64    | 84    | 287559   | 42.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.86%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 178420   | 44.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.88%  |
| 32) Benzene-d6                 | 5.33    | 84    | 628666   | 44.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.10%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 192237   | 44.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 89.20%  |
| 41) Toluene-d8                 | 7.56    | 98    | 596550   | 43.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.12%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 87482    | 41.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.86%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 227094   | 97.91    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 97.91%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 326907   | 48.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.06%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 256720   | 45.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.98%  |

#### Target Compounds

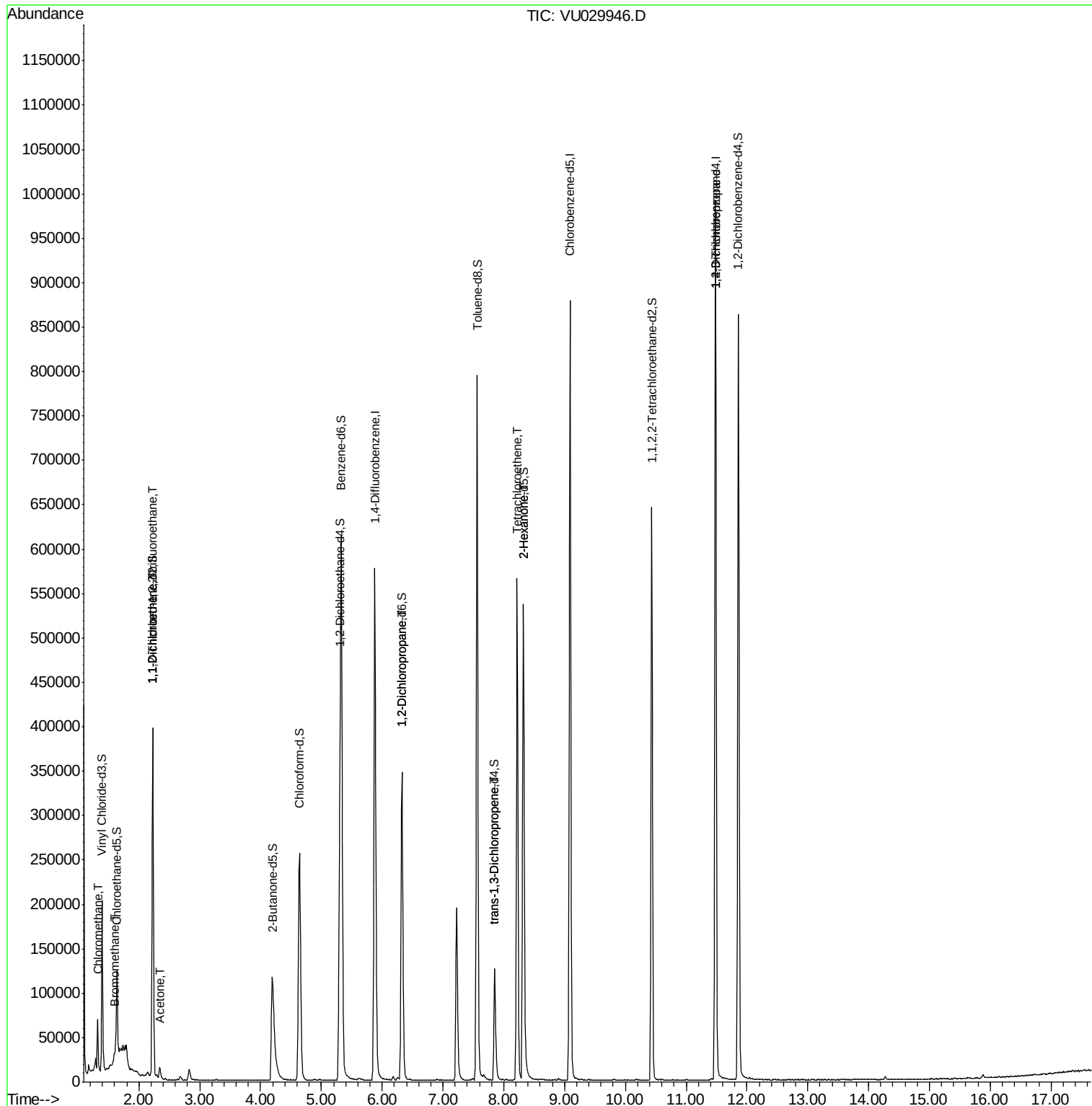
|                                |       |     |        |        | Qvalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 3) Chloromethane               | 1.32  | 50  | 45531  | 7.903  | ug/L 100  |
| 6) Bromomethane                | 1.60  | 94  | 3040   | 2.569  | ug/L 91   |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.23  | 101 | 2512   | 0.691  | ug/L # 19 |
| 12) 1,1-Dichloroethene         | 2.23  | 96  | 1973   | 0.559  | ug/L # 1  |
| 13) Acetone                    | 2.35  | 43  | 1790   | 0.608  | ug/L 59   |
| 37) 1,2-Dichloropropane        | 6.32  | 63  | 20157  | 5.056  | ug/L # 87 |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 3629   | 0.671  | ug/L 100  |
| 46) Tetrachloroethene          | 8.22  | 164 | 139484 | 39.280 | ug/L 97   |
| 48) 2-Hexanone                 | 8.32  | 43  | 23054  | 5.130  | ug/L # 66 |
| 59) 1,2,3-Trichloropropane     | 11.49 | 75  | 28845  | 5.458  | ug/L 93   |

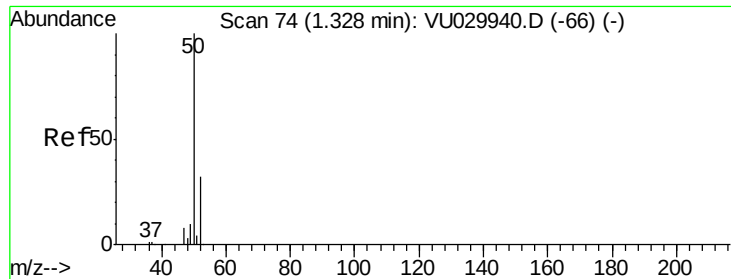
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Mon Mar 11 07:10:15 2019  
Response via : Initial Calibration





#3

Chloromethane

Concen: 7.903 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.01 min

Lab File: VU029946.D

Acq: 10 Mar 2019 14:06

Instrument :

MSVOA\_U

ClientSampleId :

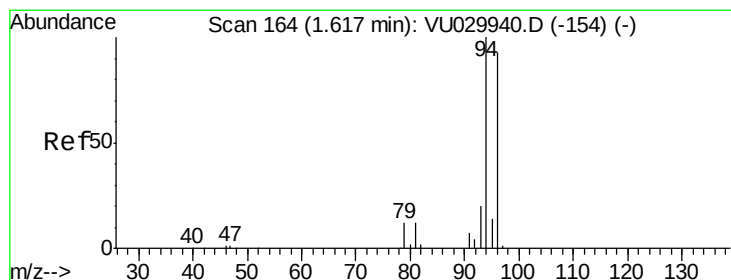
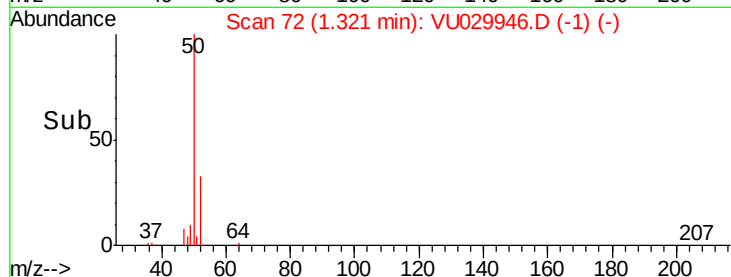
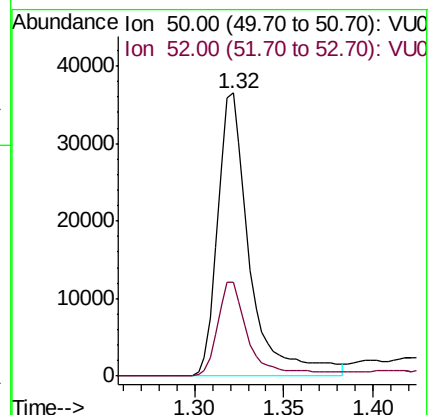
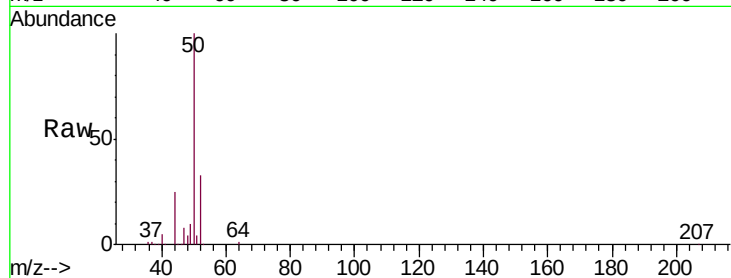
BF0Q5ME

Tgt Ion: 50 Resp: 45531

Ion Ratio Lower Upper

50 100

52 33.2 23.1 42.9



#6

Bromomethane

Concen: 2.569 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.02 min

Lab File: VU029946.D

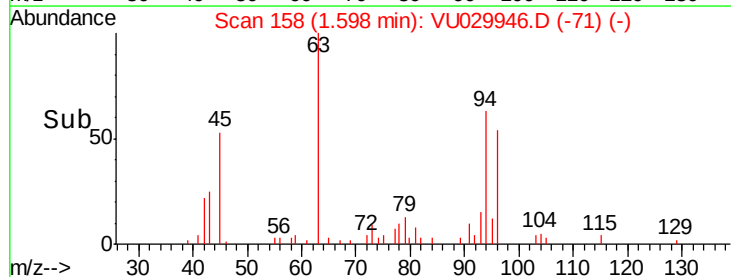
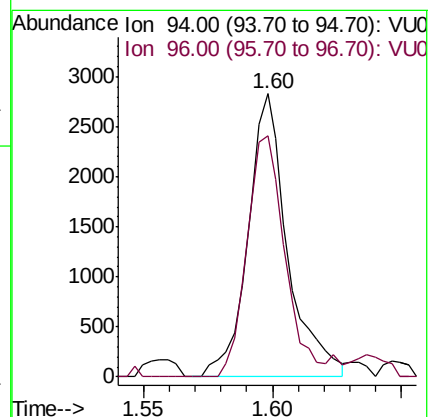
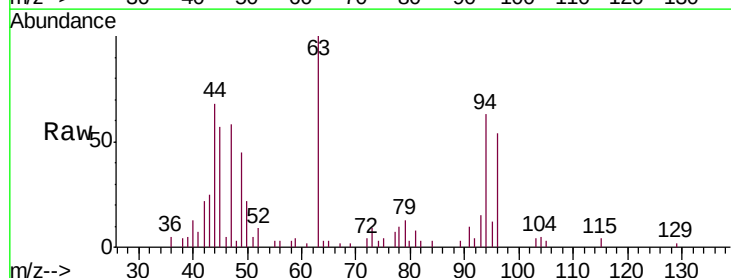
Acq: 10 Mar 2019 14:06

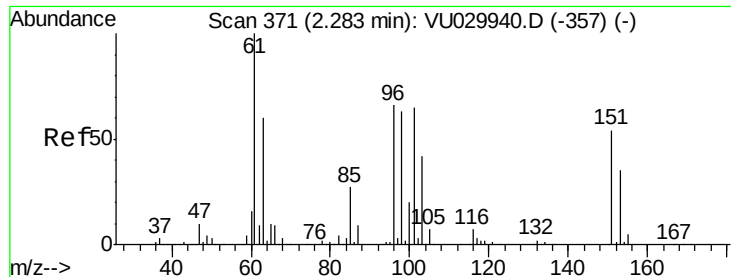
Tgt Ion: 94 Resp: 3040

Ion Ratio Lower Upper

94 100

96 85.4 65.7 121.9





#10

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

Concen: 0.691 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.05 min

Lab File: VU029946.D

Acq: 10 Mar 2019 14:06

Instrument :

MSVOA\_U

ClientSampleId :

BF0Q5ME

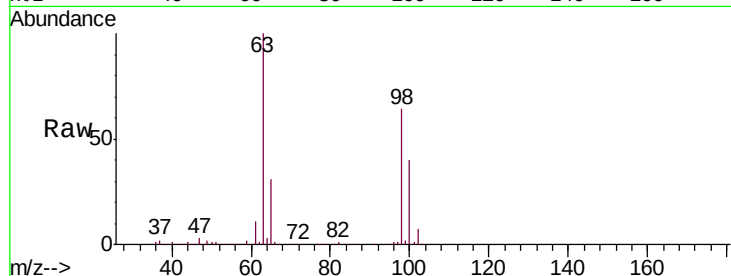
Tgt Ion: 101 Resp: 2512

Ion Ratio Lower Upper

101 100

85 0.0 33.4 50.2#

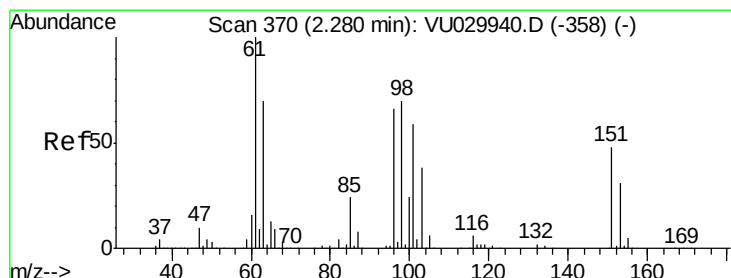
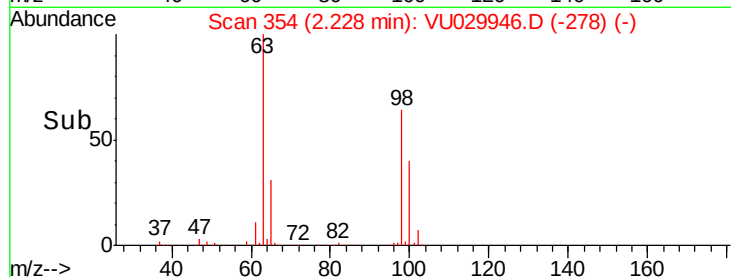
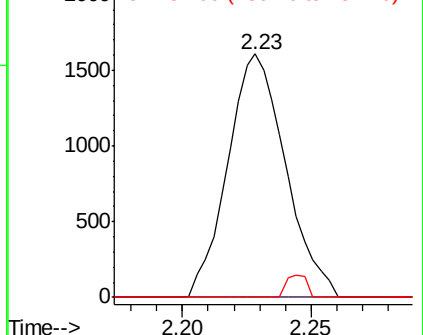
151 3.2 65.8 98.6#



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: 0.559 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.05 min

Lab File: VU029946.D

Acq: 10 Mar 2019 14:06

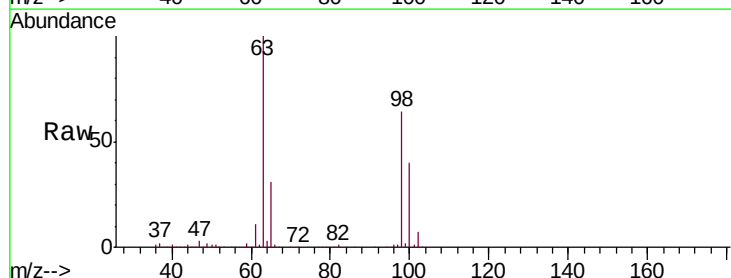
Tgt Ion: 96 Resp: 1973

Ion Ratio Lower Upper

96 100

61 1310.3 109.0 202.4#

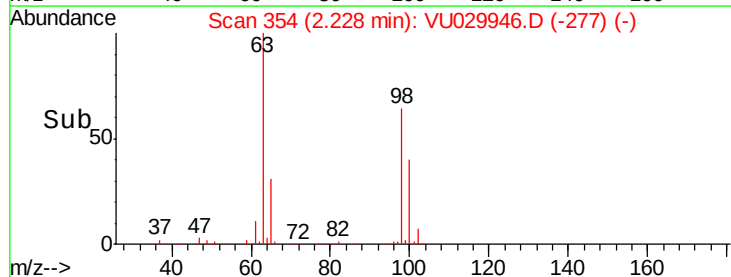
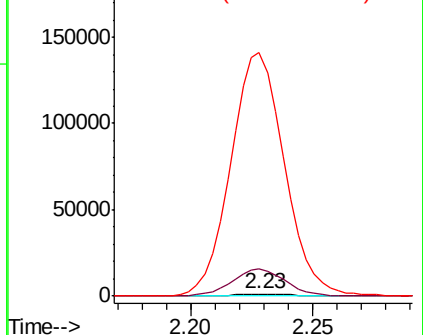
63 11843.5 88.1 163.5#

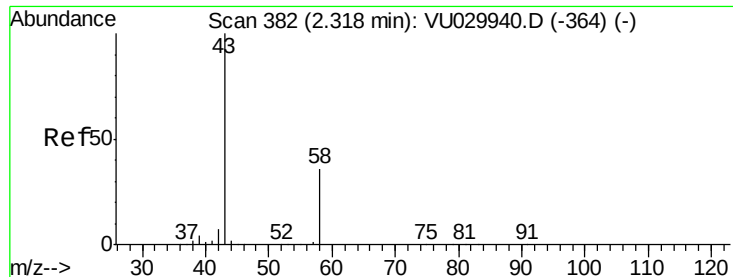


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.608 ug/L

RT: 2.35 min Scan# 392

Delta R.T. 0.03 min

Lab File: VU029946.D

Acq: 10 Mar 2019 14:06

Instrument :

MSVOA\_U

ClientSampleId :

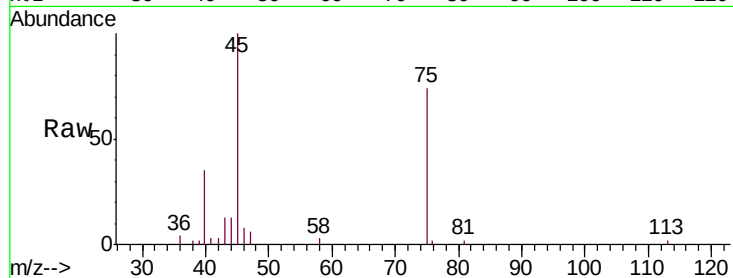
BF0Q5ME

Tgt Ion: 43 Resp: 1790

Ion Ratio Lower Upper

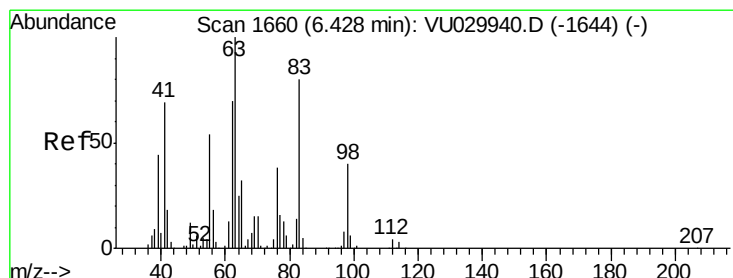
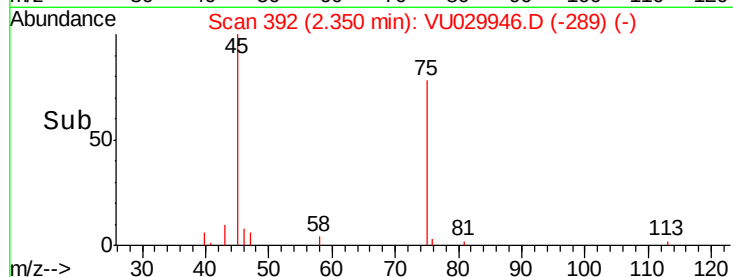
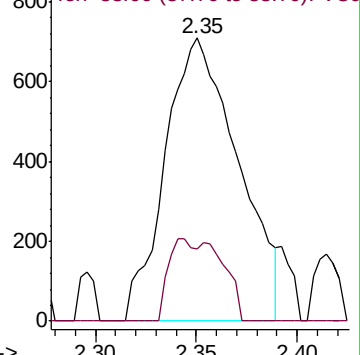
43 100

58 11.4 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#37

1,2-Dichloropropane

Concen: 5.056 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU029946.D

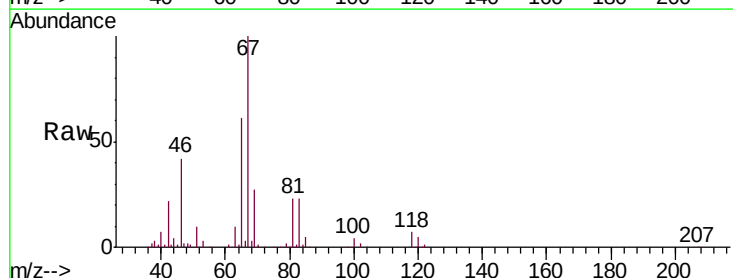
Acq: 10 Mar 2019 14:06

Tgt Ion: 63 Resp: 20157

Ion Ratio Lower Upper

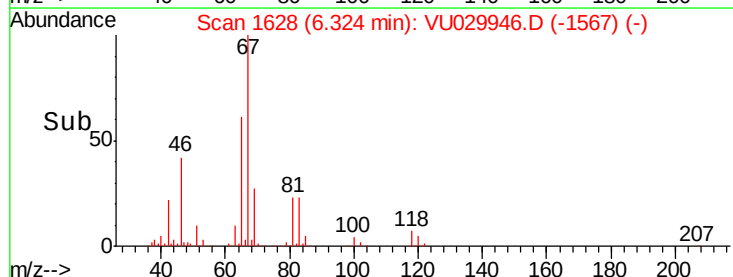
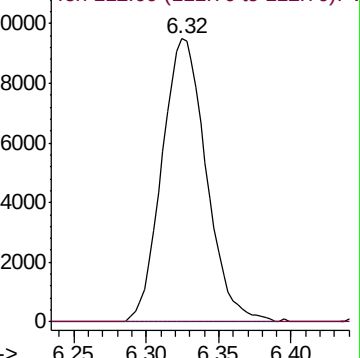
63 100

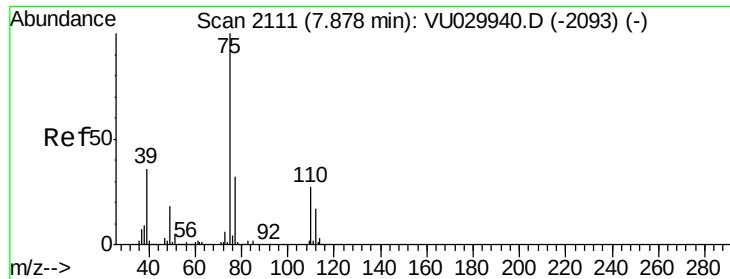
112 0.0 3.4 5.0#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#44

trans-1,3-Dichloropropene

Concen: 0.671 ug/L

RT: 7.85 min Scan# 2104

Delta R.T. -0.02 min

Lab File: VU029946.D

Acq: 10 Mar 2019 14:06

Instrument :

MSVOA\_U

ClientSampleId :

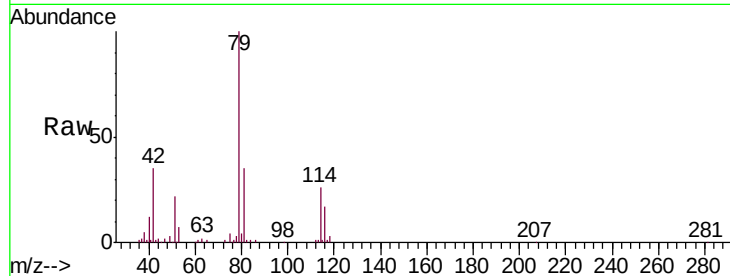
BF0Q5ME

Tgt Ion: 75 Resp: 3629

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU029940.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU029940.D (-2093) (-)

7.85

1500

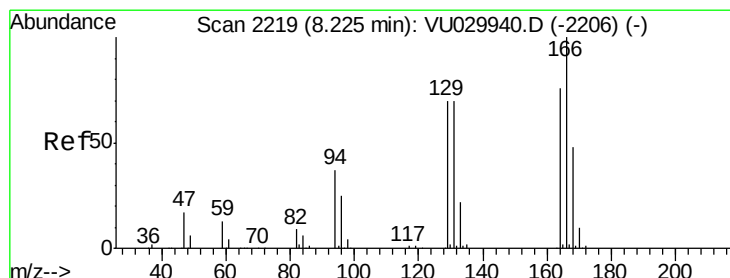
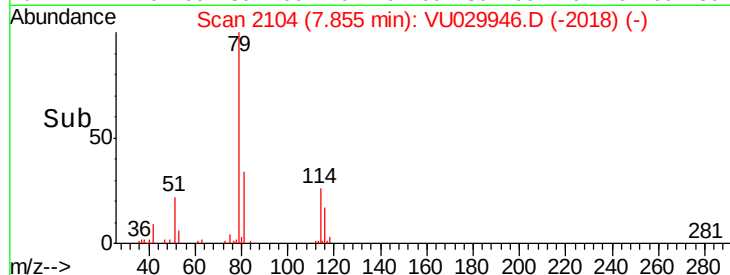
1000

500

0

7.80 7.85 7.90

Time-->



#46

Tetrachloroethene

Concen: 39.280 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU029946.D

Acq: 10 Mar 2019 14:06

Tgt Ion: 164 Resp: 139484

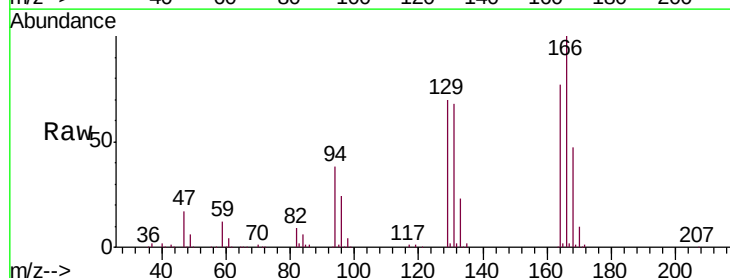
Ion Ratio Lower Upper

164 100

129 90.1 61.0 113.2

131 87.8 60.5 112.3

166 129.5 88.3 163.9



Abundance Ion 164.00 (163.70 to 164.70): VU029940.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU029940.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU029940.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU029940.D (-2206) (-)

150000

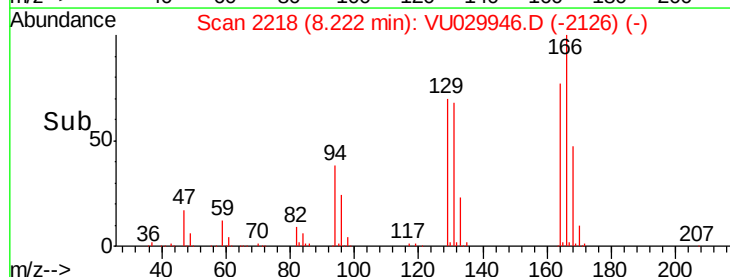
100000

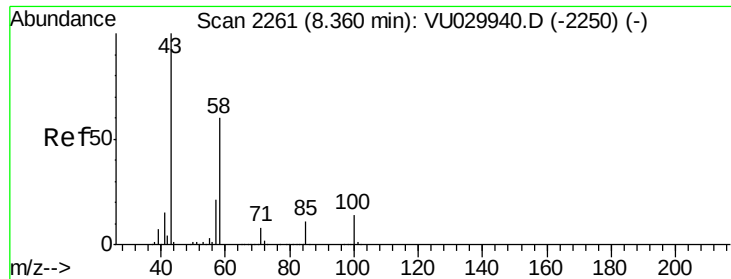
50000

0

8.15 8.20 8.25 8.30

Time-->





#48

2-Hexanone

Concen: 5.130 ug/L

RT: 8.32 min Scan# 2250

Delta R.T. -0.04 min

Lab File: VU029946.D

Acq: 10 Mar 2019 14:06

Instrument :

MSVOA\_U

ClientSampleId :

BF0Q5ME

Tgt Ion: 43 Resp: 23054

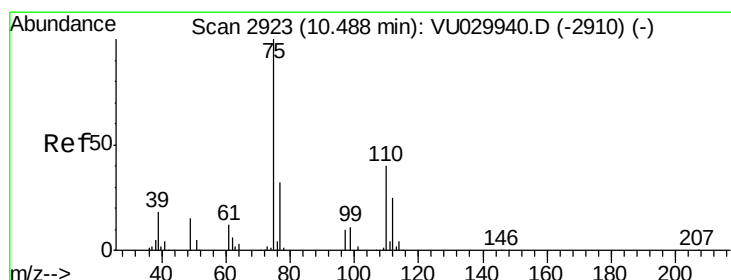
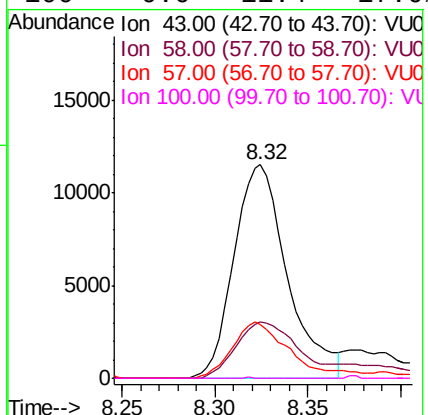
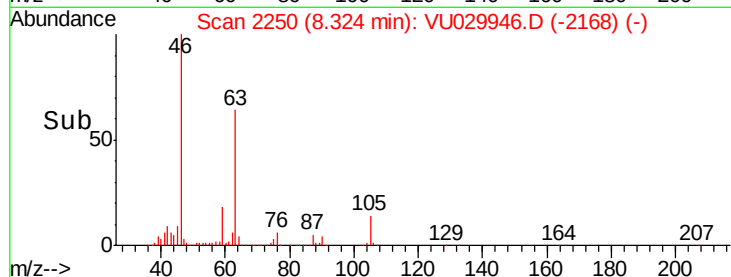
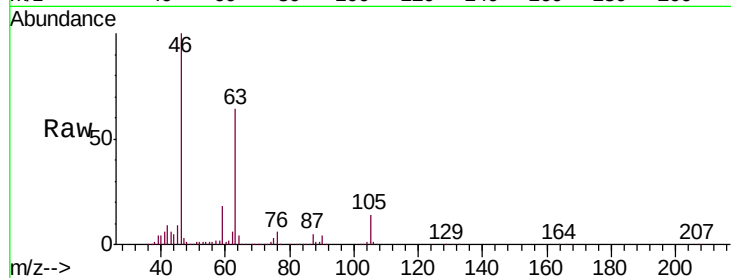
Ion Ratio Lower Upper

43 100

58 29.6 49.2 73.8#

57 26.5 16.6 25.0#

100 0.0 11.4 17.0#



#59

1,2,3-Trichloropropane

Concen: 5.458 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 1.00 min

Lab File: VU029946.D

Acq: 10 Mar 2019 14:06

Tgt Ion: 75 Resp: 28845

Ion Ratio Lower Upper

75 100

77 36.4 26.1 39.1

