

Data File : VU030561.D  
Acq On : 29 Mar 2019 22:53  
Operator : JC/SP  
Sample : K2166-13 10X  
Misc : 6.01g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF0M3

Quant Time: Mar 30 02:17:37 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Mar 30 02:12:04 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 429924   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 415918   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 167630   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 146894   | 42.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 84.92%  |
| 7) Chloroethane-d5             | 1.65    | 69    | 127615   | 46.53    | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 93.06%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 215094   | 32.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.54%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 336503   | 103.46   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 103.46% |
| 24) Chloroform-d               | 4.64    | 84    | 282348   | 47.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.72%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 197722   | 50.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.38% |
| 32) Benzene-d6                 | 5.33    | 84    | 559172   | 46.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.76%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 203937   | 49.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.94%  |
| 41) Toluene-d8                 | 7.56    | 98    | 464533   | 43.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.74%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 82637    | 43.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 86.14%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 221127   | 99.99    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 99.99%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 300340   | 51.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 102.86% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 166357   | 49.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.06%  |

#### Target Compounds

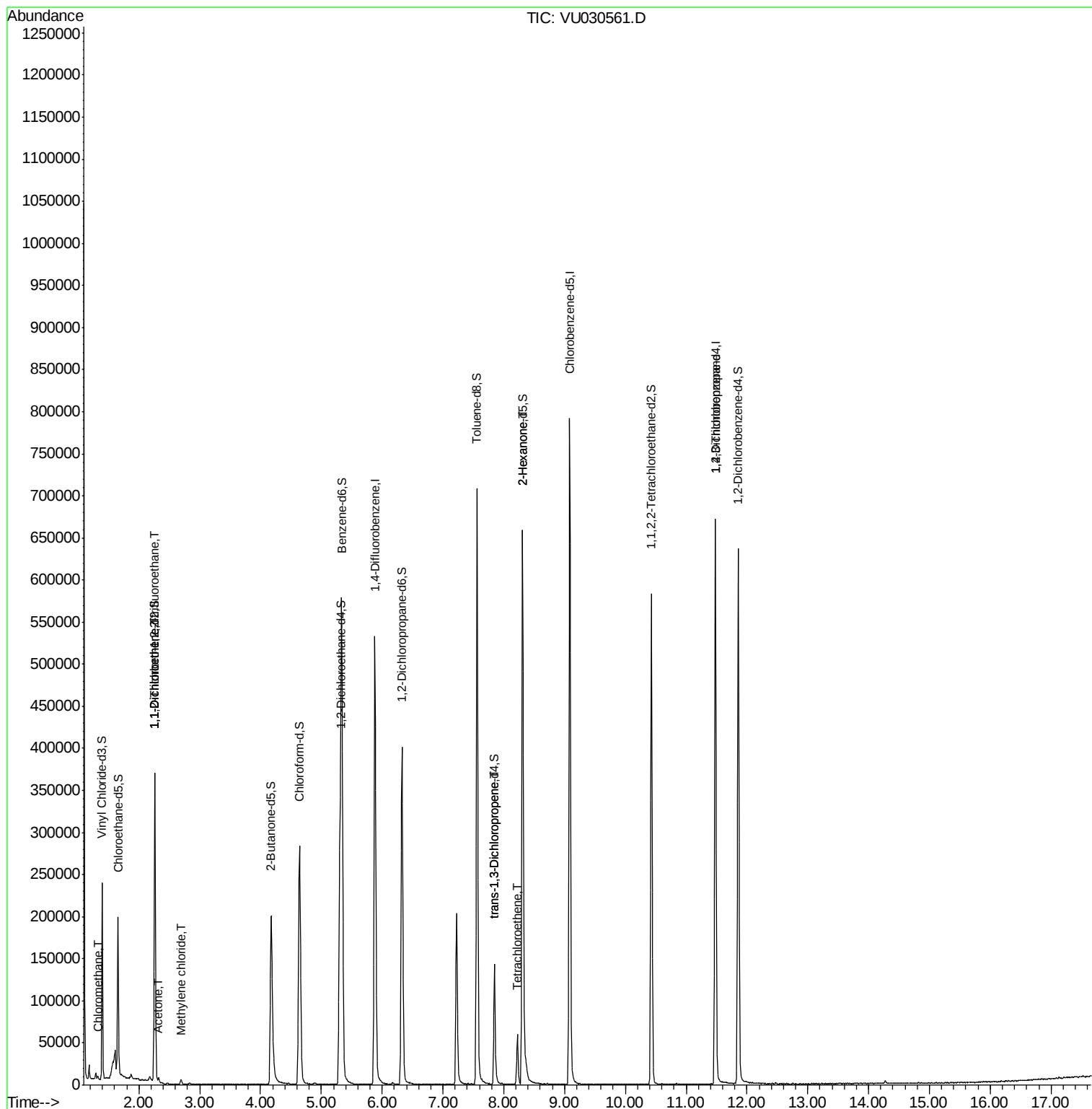
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 3) Chloromethane               | 1.32  | 50  | 3484  | 0.657 ug/L   | 94     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.26  | 101 | 1766  | 0.563 ug/L # | 21     |
| 12) 1,1-Dichloroethene         | 2.26  | 96  | 1757  | 0.571 ug/L # | 1      |
| 13) Acetone                    | 2.32  | 43  | 1802  | 0.548 ug/L   | 92     |
| 16) Methylene chloride         | 2.69  | 84  | 2053  | 0.566 ug/L   | 82     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 3697  | 0.728 ug/L   | 90     |
| 46) Tetrachloroethene          | 8.22  | 164 | 13032 | 5.361 ug/L   | 93     |
| 48) 2-Hexanone                 | 8.31  | 43  | 28422 | 5.138 ug/L # | 72     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 22736 | 4.649 ug/L   | 91     |

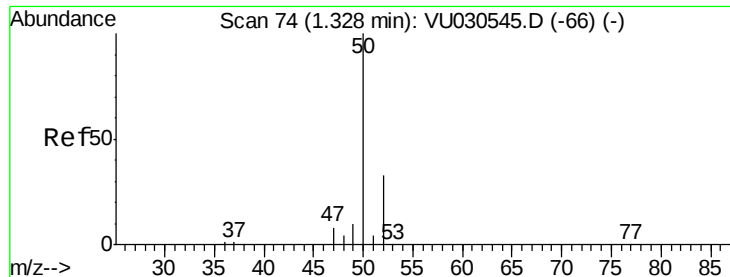
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.657 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU030561.D

Acq: 29 Mar 2019 22:53

Instrument :

MSVOA\_U

ClientSampleId :

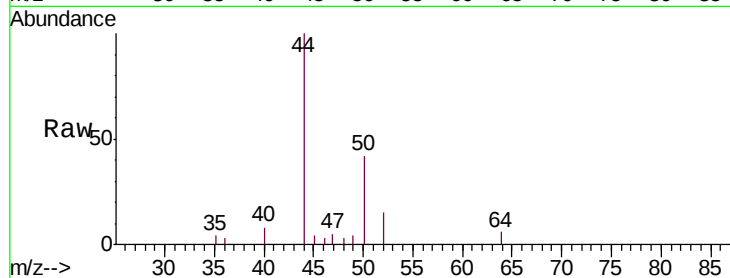
BF0M3

Tgt Ion: 50 Resp: 3484

Ion Ratio Lower Upper

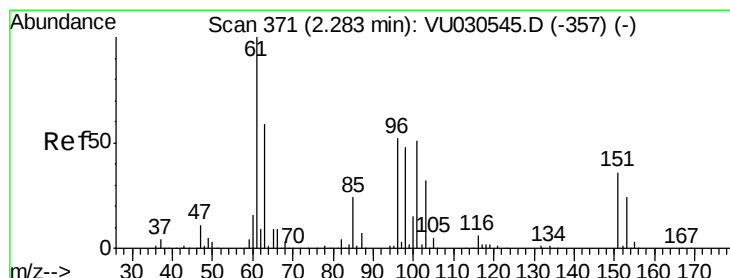
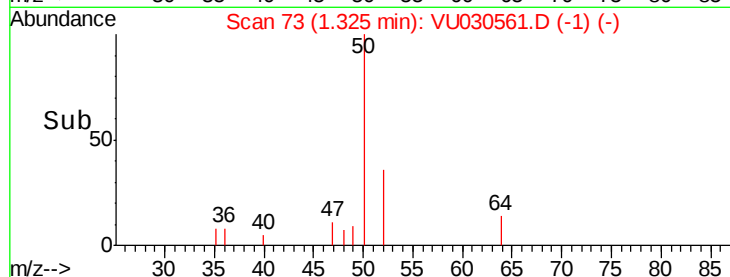
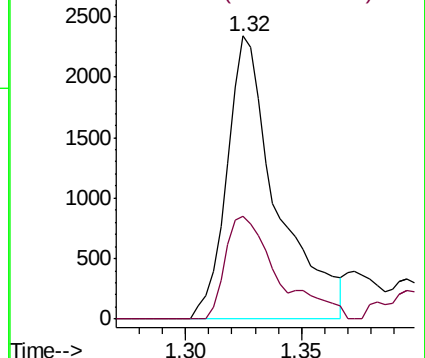
50 100

52 36.2 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU030545.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU030545.D (-66) (-)



#10

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

Concen: 0.563 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.02 min

Lab File: VU030561.D

Acq: 29 Mar 2019 22:53

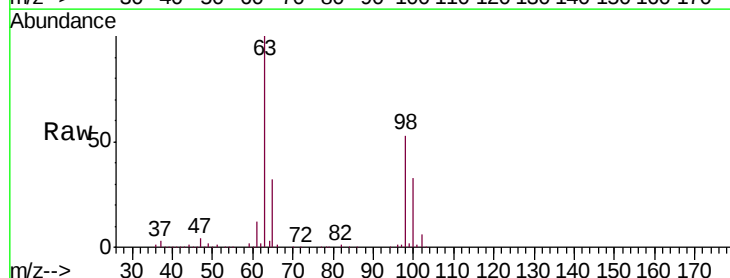
Tgt Ion: 101 Resp: 1766

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

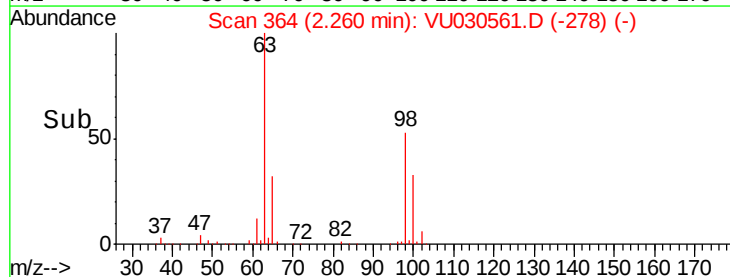
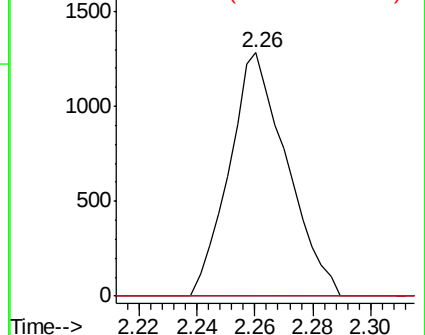
151 0.0 56.6 85.0#

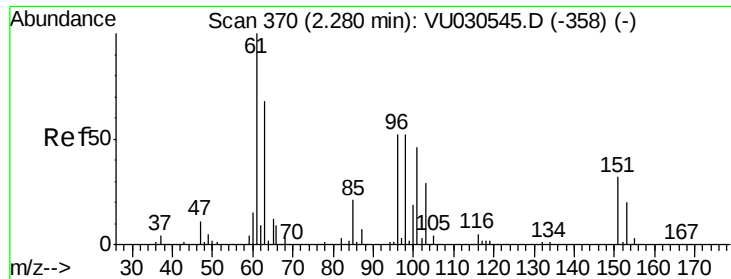


Abundance Ion 101.00 (100.70 to 101.70): VU030545.D (-357) (-)

Ion 85.00 (84.70 to 85.70): VU030545.D (-357) (-)

Ion 151.00 (150.70 to 151.70): VU030545.D (-357) (-)

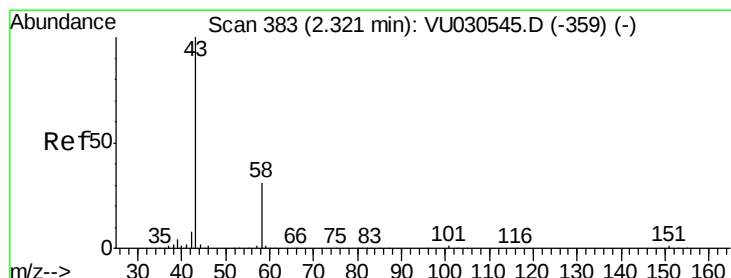
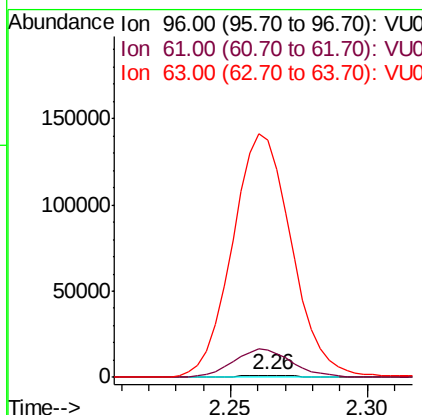
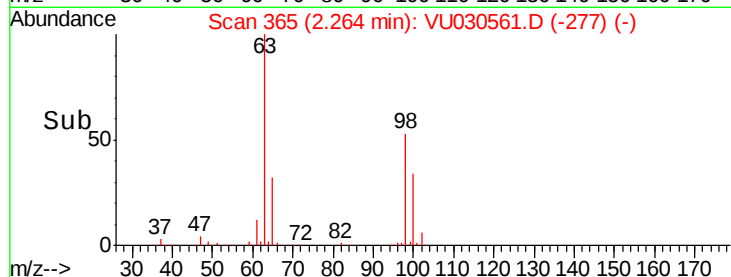
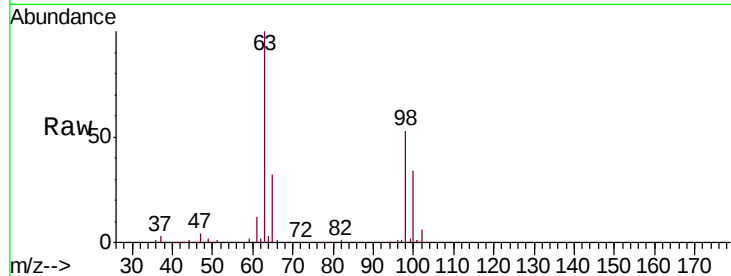




#12  
 1,1-Dichloroethene  
 Concen: 0.571 ug/L  
 RT: 2.26 min Scan# 365  
 Delta R.T. -0.02 min  
 Lab File: VU030561.D  
 Acq: 29 Mar 2019 22:53

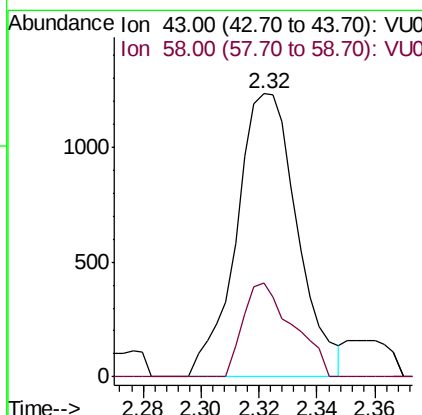
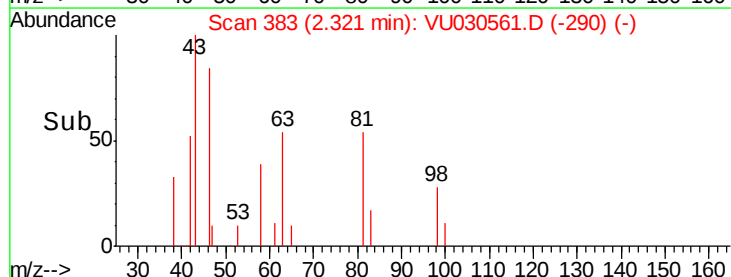
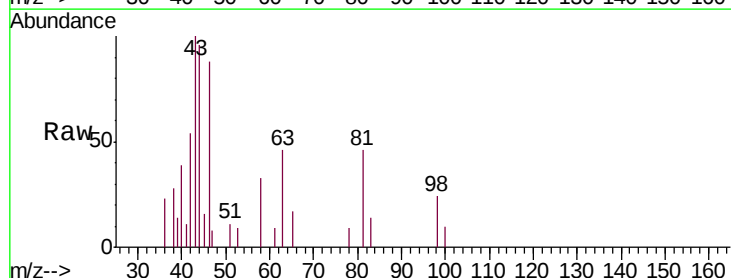
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF0M3

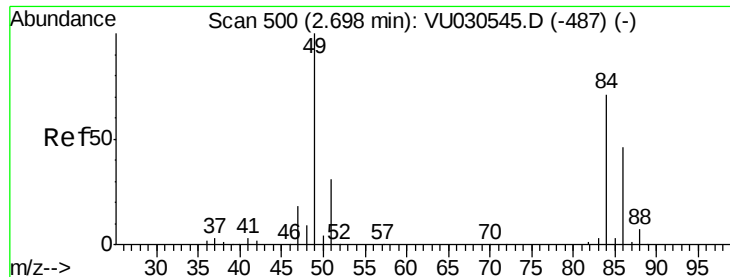
Tgt Ion: 96 Resp: 1757  
 Ion Ratio Lower Upper  
 96 100  
 61 1366.9 131.0 243.4#  
 63 11729.7 92.4 171.6#



#13  
 Acetone  
 Concen: 0.548 ug/L  
 RT: 2.32 min Scan# 383  
 Delta R.T. 0.00 min  
 Lab File: VU030561.D  
 Acq: 29 Mar 2019 22:53

Tgt Ion: 43 Resp: 1802  
 Ion Ratio Lower Upper  
 43 100  
 58 27.0 0.0 62.8

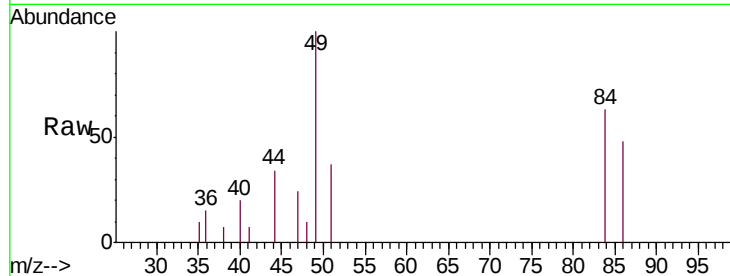




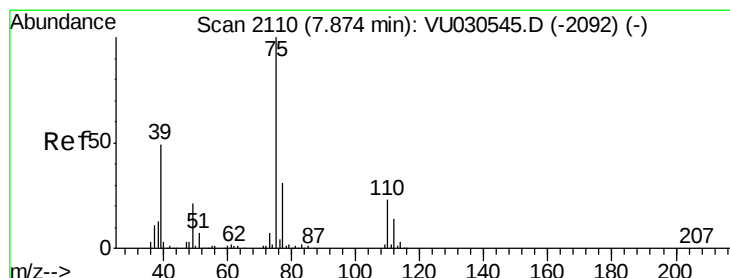
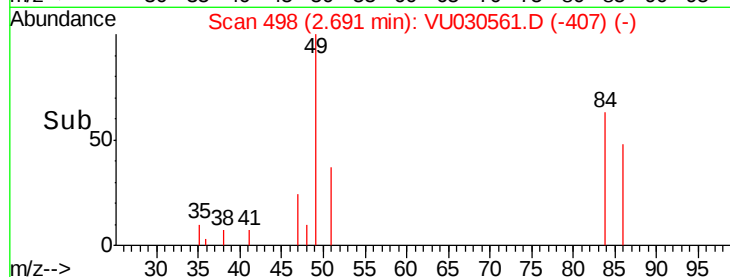
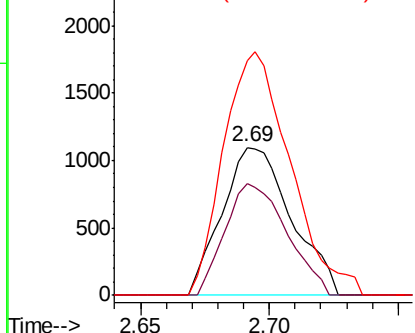
#16  
Methylene chloride  
Concen: 0.566 ug/L  
RT: 2.69 min Scan# 498  
Delta R.T. -0.01 min  
Lab File: VU030561.D  
Acq: 29 Mar 2019 22:53

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF0M3

Tgt Ion: 84 Resp: 2053  
Ion Ratio Lower Upper  
84 100  
86 75.7 44.3 82.3  
49 158.0 94.9 176.3

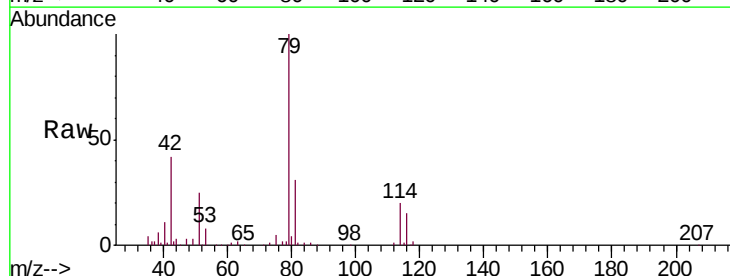


Abundance Ion 84.00 (83.70 to 84.70): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.00 (48.70 to 49.70): VU0

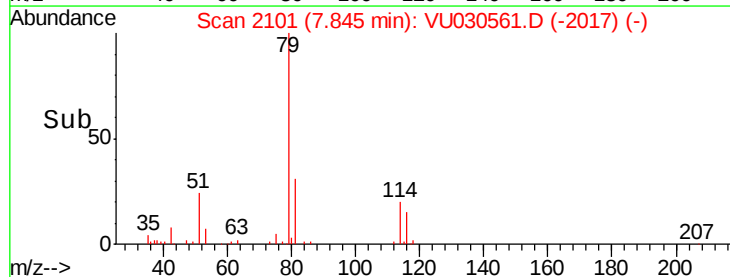
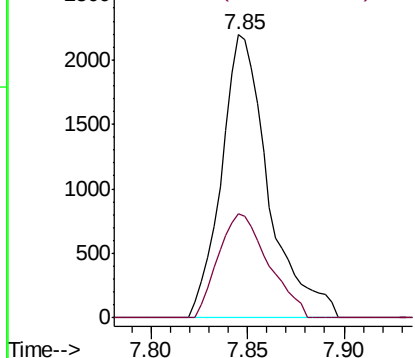


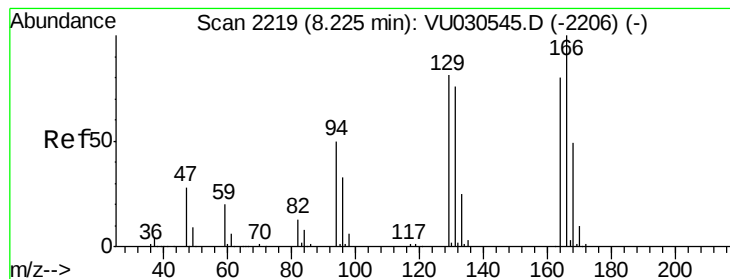
#44  
trans-1,3-Dichloropropene  
Concen: 0.728 ug/L  
RT: 7.85 min Scan# 2101  
Delta R.T. -0.03 min  
Lab File: VU030561.D  
Acq: 29 Mar 2019 22:53

Tgt Ion: 75 Resp: 3697  
Ion Ratio Lower Upper  
75 100  
77 37.0 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU0  
Ion 77.00 (76.70 to 77.70): VU0





#46

Tetrachloroethene

Concen: 5.361 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030561.D

Acq: 29 Mar 2019 22:53

Instrument :

MSVOA\_U

ClientSampled :

BFOM3

Tgt Ion:164 Resp: 13032

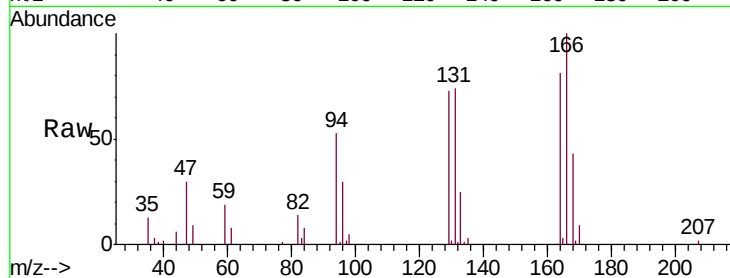
Ion Ratio Lower Upper

164 100

129 90.0 68.1 126.5

131 91.4 67.7 125.7

166 122.8 92.4 171.6

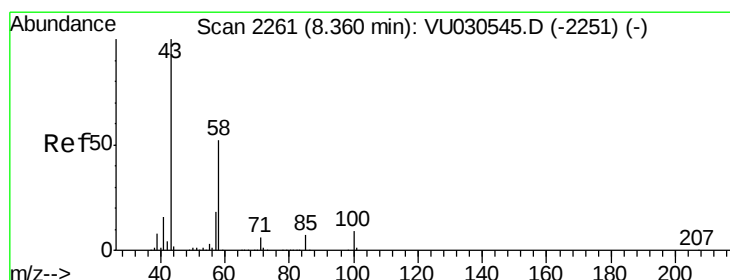
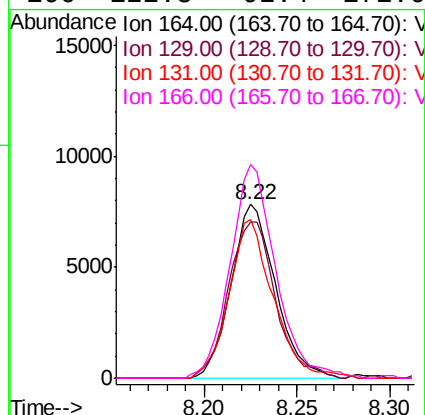
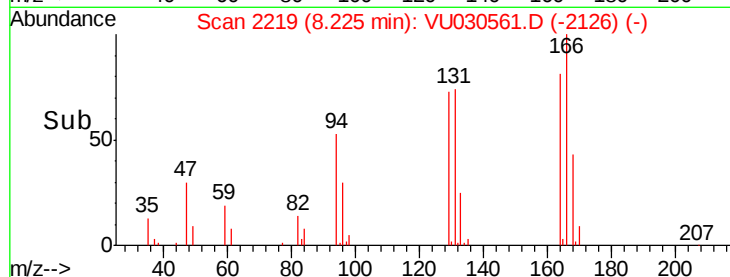


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.138 ug/L

RT: 8.31 min Scan# 2245

Delta R.T. -0.05 min

Lab File: VU030561.D

Acq: 29 Mar 2019 22:53

Tgt Ion: 43 Resp: 28422

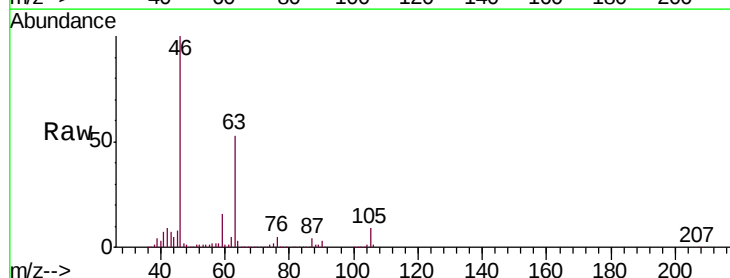
Ion Ratio Lower Upper

43 100

58 29.3 42.5 63.7#

57 25.5 15.0 22.6#

100 0.7 7.4 11.2#

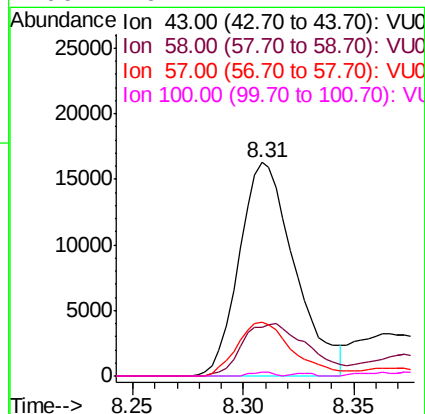
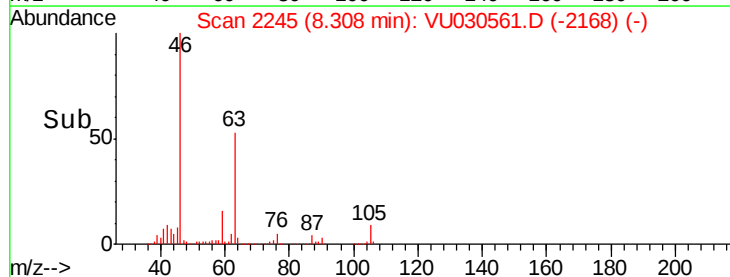


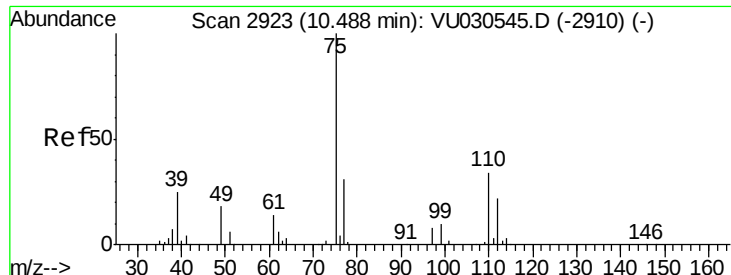
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 4.649 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030561.D

Acq: 29 Mar 2019 22:53

Instrument :

MSVOA\_U

ClientSampleId :

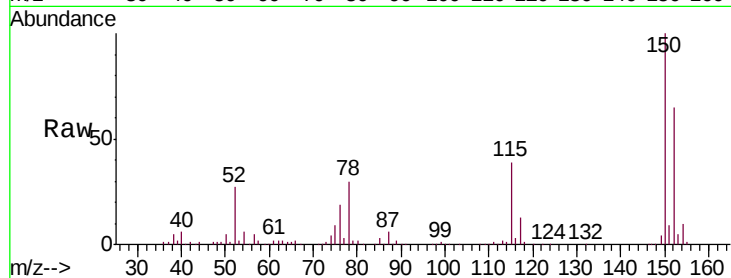
BF0M3

Tgt Ion: 75 Resp: 22736

Ion Ratio Lower Upper

75 100

77 36.7 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

