

Data File : VU032066.D  
Acq On : 16 May 2019 22:19  
Operator : JC/SP  
Sample : K2850-08  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9W08

Quant Time: May 17 07:23:43 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR051619WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri May 17 07:17:36 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 401528   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 406197   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 160594   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 154890   | 4.58     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.60% |
| 7) Chloroethane-d5             | 1.68   | 69    | 129687   | 4.49     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.80% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 222142   | 4.12     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 82.40% |
| 20) 2-Butanone-d5              | 4.20   | 46    | 280923   | 42.31    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 84.62% |
| 24) Chloroform-d               | 4.64   | 84    | 265718   | 4.47     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.40% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 134128   | 4.37     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.40% |
| 32) Benzene-d6                 | 5.33   | 84    | 553348   | 4.46     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.20% |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 159039   | 4.39     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 87.80% |
| 41) Toluene-d8                 | 7.56   | 98    | 461730   | 4.23     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.60% |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 54548    | 4.18     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.60% |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 236815   | 40.22    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 80.44% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 127931   | 4.32     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 86.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 162194   | 4.77     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.40% |

#### Target Compounds

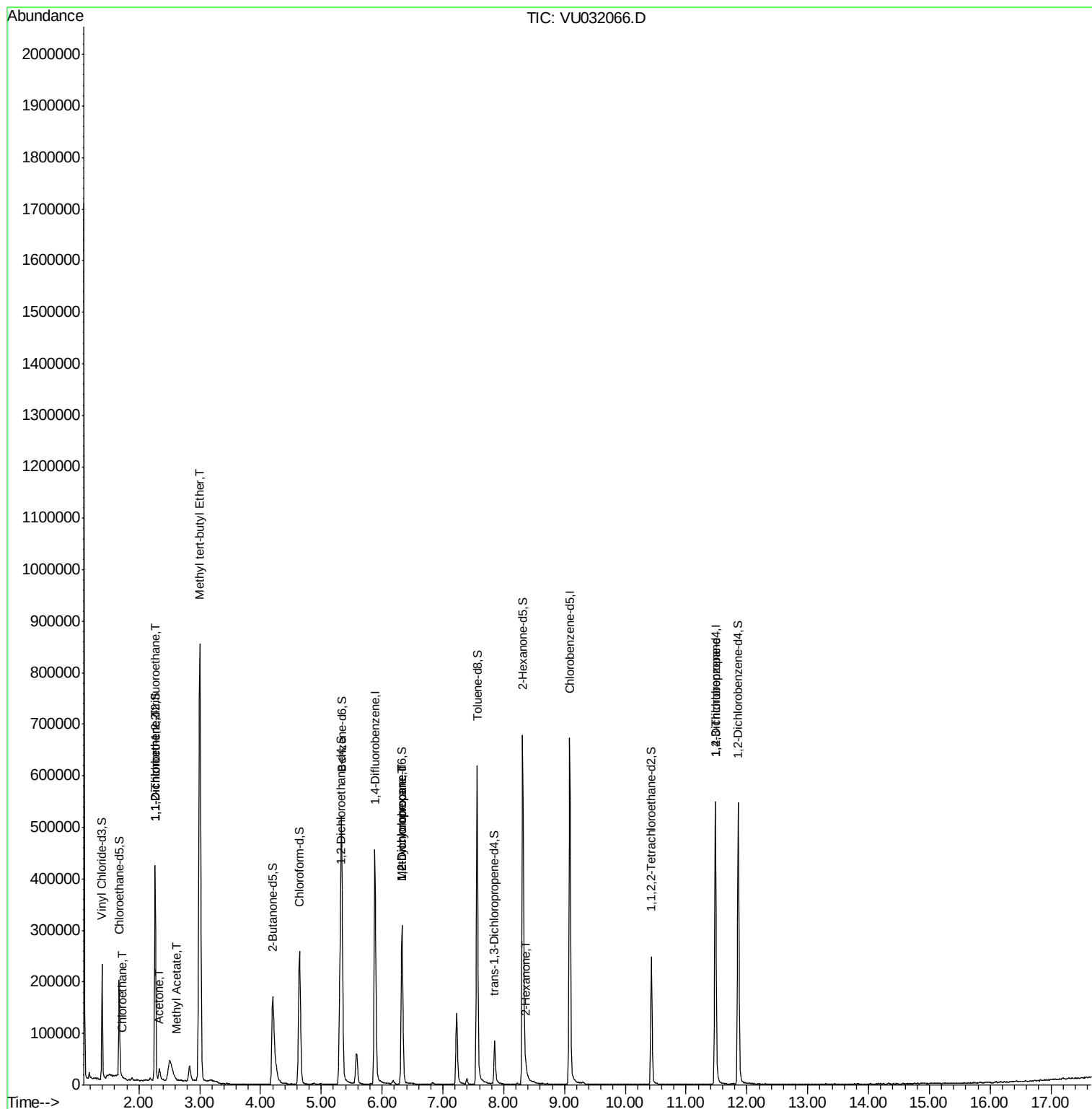
|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 8) Chloroethane                | 1.74  | 64  | 1591   | 0.127 ug/L # | 52     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 2364   | 0.144 ug/L # | 22     |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 1957   | 0.121 ug/L # | 1      |
| 13) Acetone                    | 2.34  | 43  | 23078  | 10.586 ug/L  | 99     |
| 15) Methyl Acetate             | 2.63  | 43  | 1060   | 0.170 ug/L # | 49     |
| 17) Methyl tert-butyl Ether    | 3.00  | 73  | 986716 | 26.028 ug/L  | 97     |
| 35) Methylcyclohexane          | 6.33  | 83  | 38752  | 1.591 ug/L # | 20     |
| 37) 1,2-Dichloropropane        | 6.32  | 63  | 18191  | 1.193 ug/L # | 86     |
| 48) 2-Hexanone                 | 8.37  | 43  | 11599  | 2.115 ug/L # | 56     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 17425  | 1.799 ug/L # | 87     |

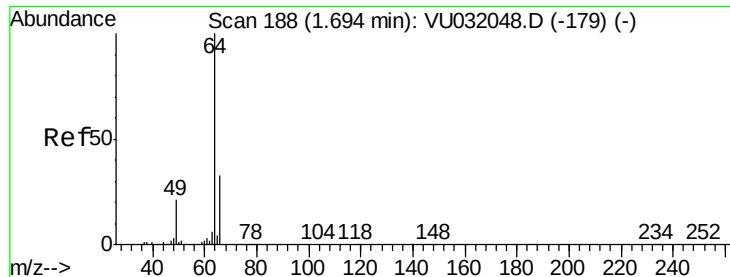
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.127 ug/L

RT: 1.74 min Scan# 202

Delta R.T. 0.05 min

Lab File: VU032066.D

Acq: 16 May 2019 22:19

Instrument :

MSVOA\_U

ClientSampled :

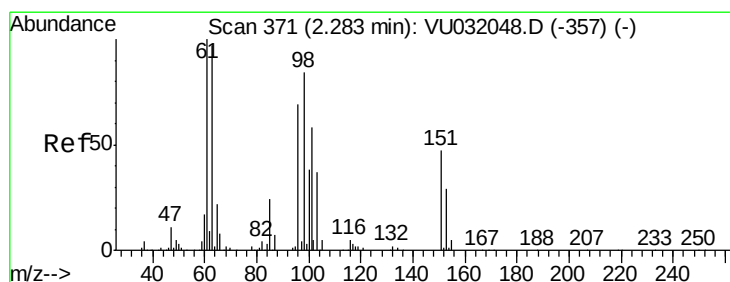
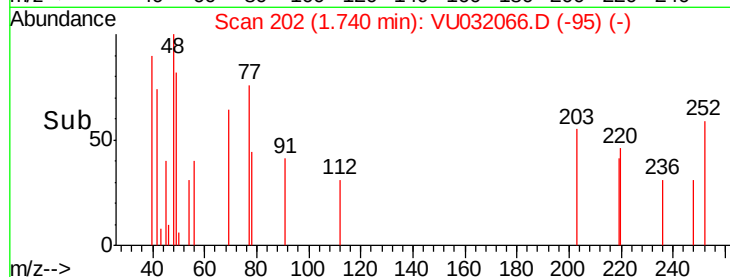
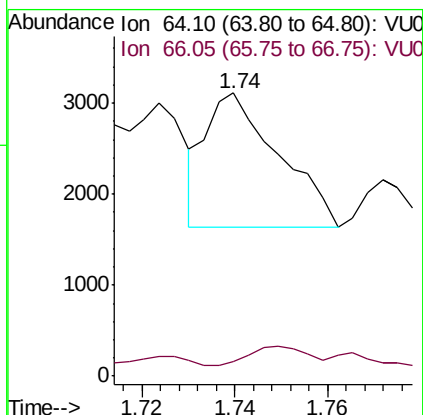
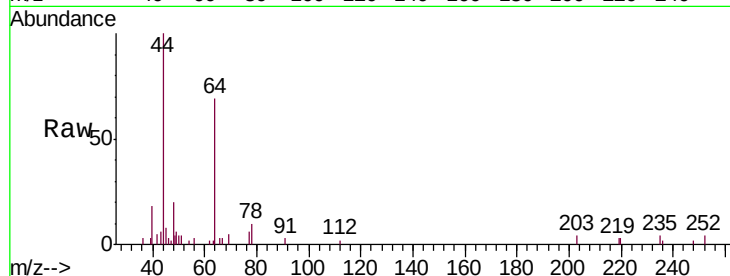
F9W08

Tgt Ion: 64 Resp: 1591

Ion Ratio Lower Upper

64 100

66 5.0 22.0 41.0#



#10

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

Concen: 0.144 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032066.D

Acq: 16 May 2019 22:19

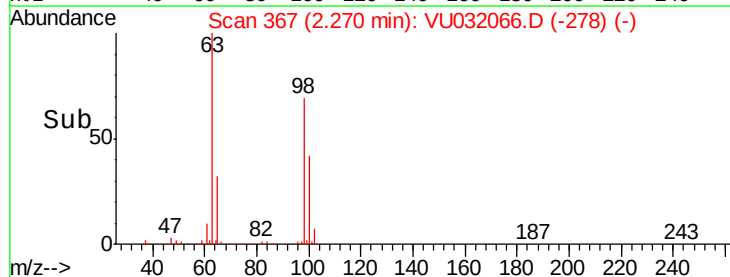
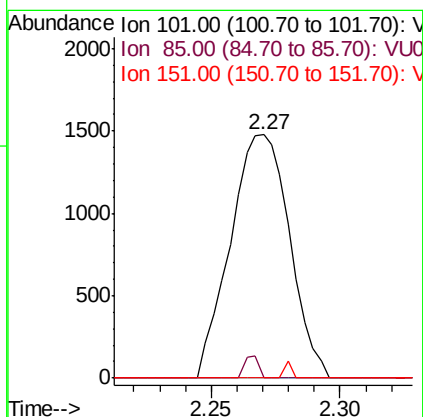
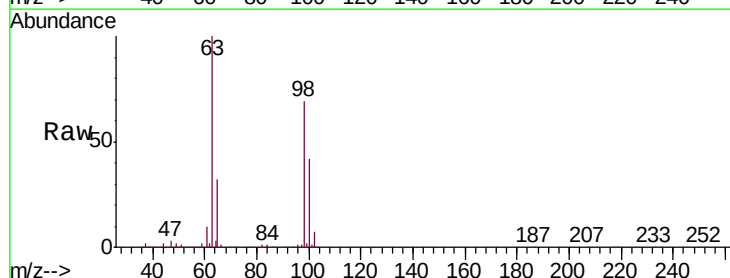
Tgt Ion: 101 Resp: 2364

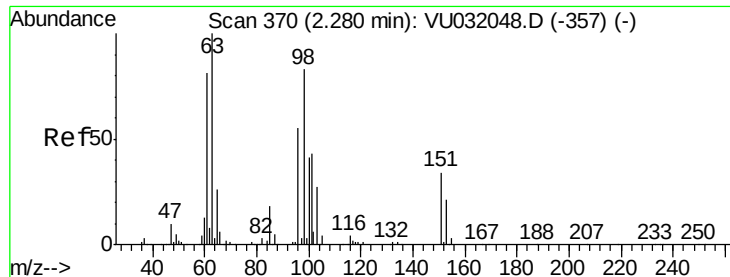
Ion Ratio Lower Upper

101 100

85 2.2 33.8 50.8#

151 0.8 59.4 89.2#

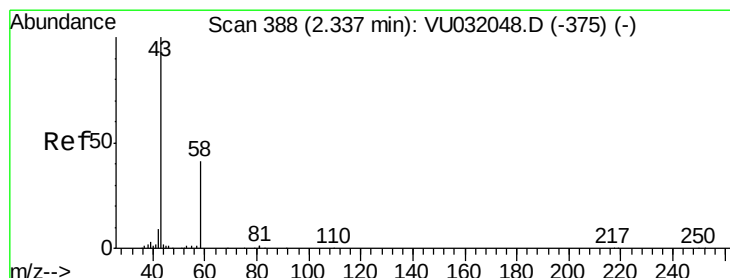
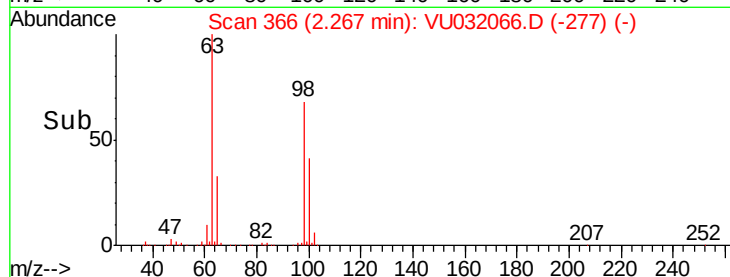
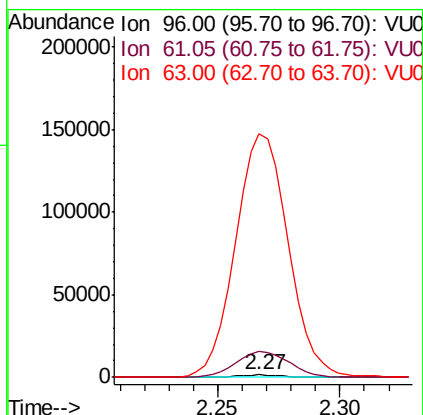
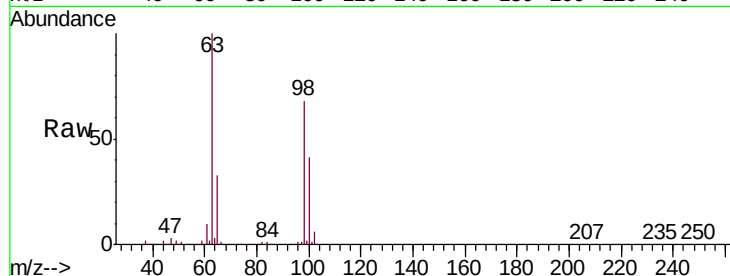




#12  
 1,1-Dichloroethene  
 Concen: 0.121 ug/L  
 RT: 2.27 min Scan# 366  
 Delta R.T. -0.01 min  
 Lab File: VU032066.D  
 Acq: 16 May 2019 22:19

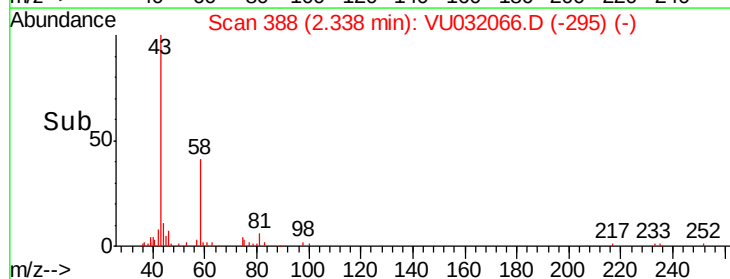
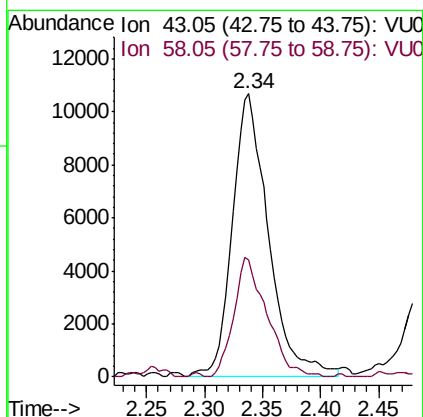
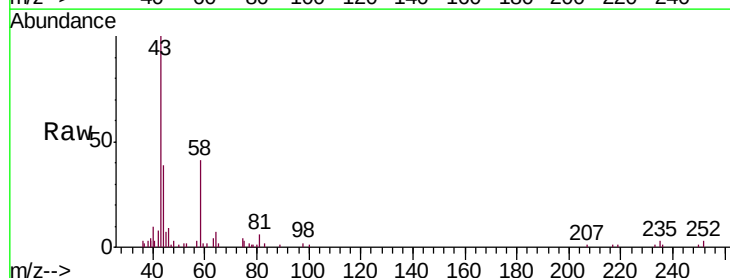
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9W08

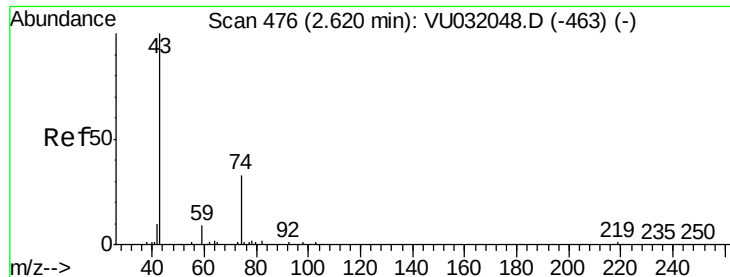
Tgt Ion: 96 Resp: 1957  
 Ion Ratio Lower Upper  
 96 100  
 61 1066.9 111.7 207.5#  
 63 10225.8 152.2 282.6#



#13  
 Acetone  
 Concen: 10.586 ug/L  
 RT: 2.34 min Scan# 388  
 Delta R.T. 0.00 min  
 Lab File: VU032066.D  
 Acq: 16 May 2019 22:19

Tgt Ion: 43 Resp: 23078  
 Ion Ratio Lower Upper  
 43 100  
 58 38.6 0.0 78.8

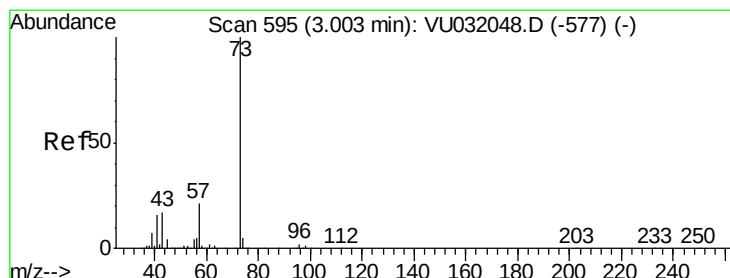
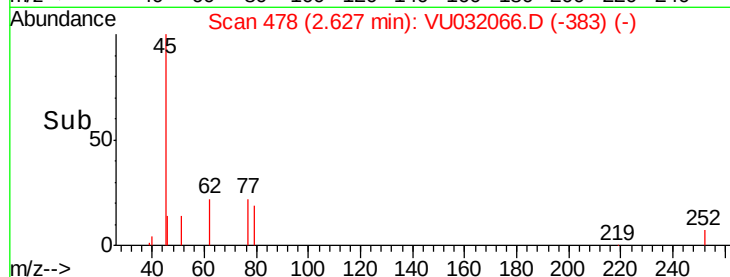
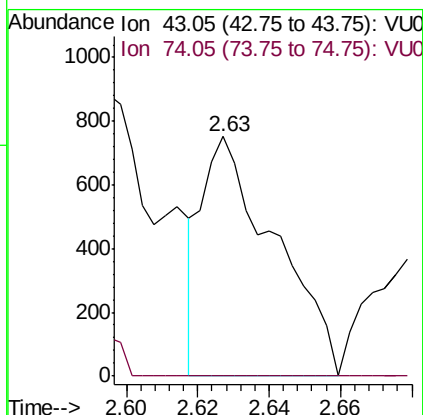
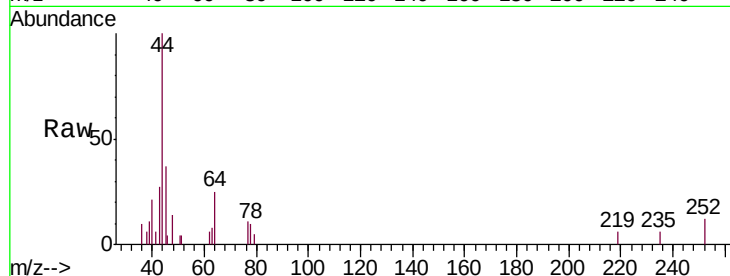




#15  
Methyl Acetate  
Concen: 0.170 ug/L  
RT: 2.63 min Scan# 478  
Delta R.T. 0.01 min  
Lab File: VU032066.D  
Acq: 16 May 2019 22:19

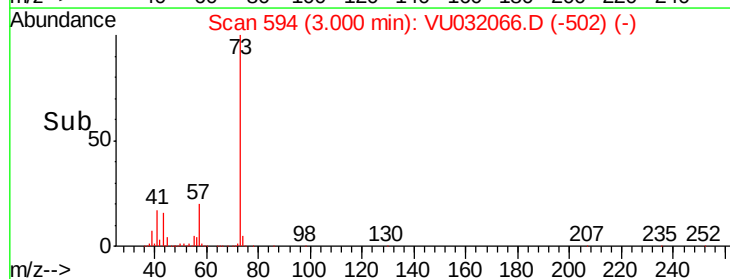
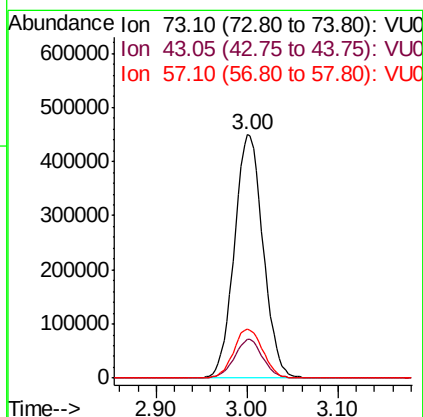
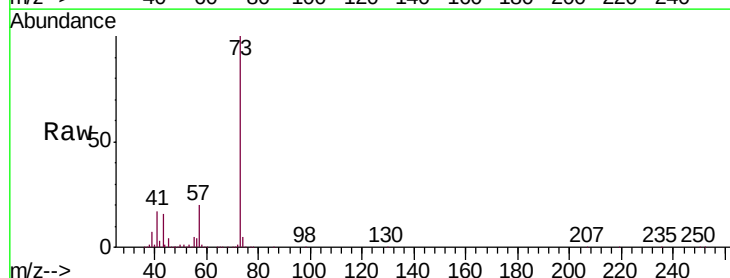
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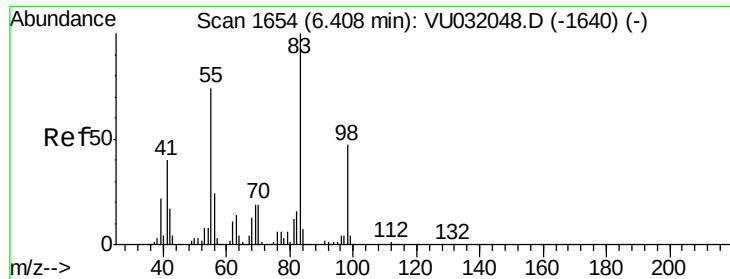
Tgt Ion: 43 Resp: 1060  
Ion Ratio Lower Upper  
43 100  
74 4.1 26.4 39.6#



#17  
Methyl tert-butyl Ether  
Concen: 26.028 ug/L  
RT: 3.00 min Scan# 594  
Delta R.T. -0.00 min  
Lab File: VU032066.D  
Acq: 16 May 2019 22:19

Tgt Ion: 73 Resp: 986716  
Ion Ratio Lower Upper  
73 100  
43 15.4 13.0 19.6  
57 20.5 17.9 26.9

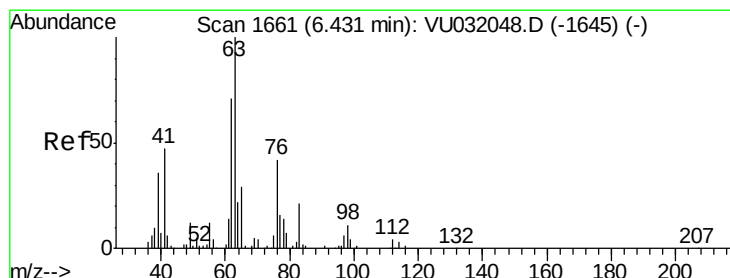
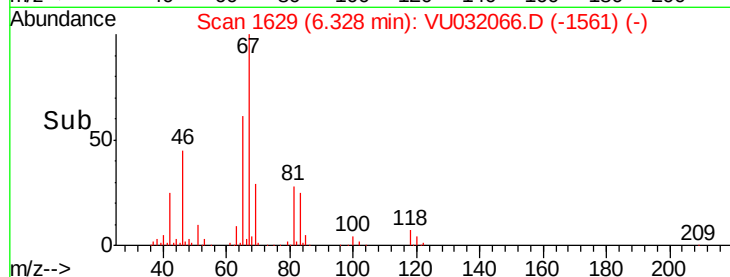
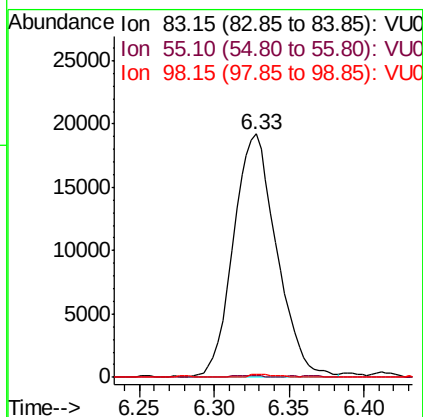
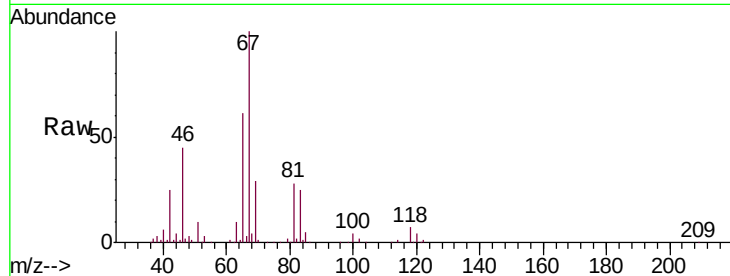




#35  
Methylcyclohexane  
Concen: 1.591 ug/L  
RT: 6.33 min Scan# 1629  
Delta R.T. -0.08 min  
Lab File: VU032066.D  
Acq: 16 May 2019 22:19

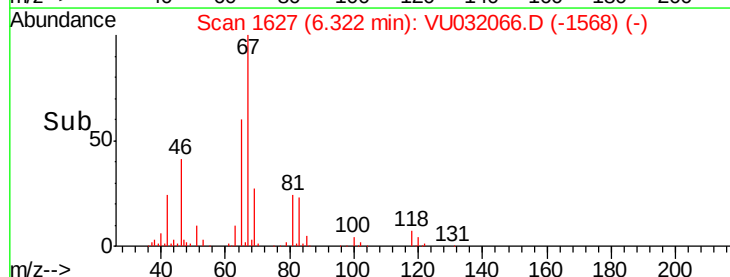
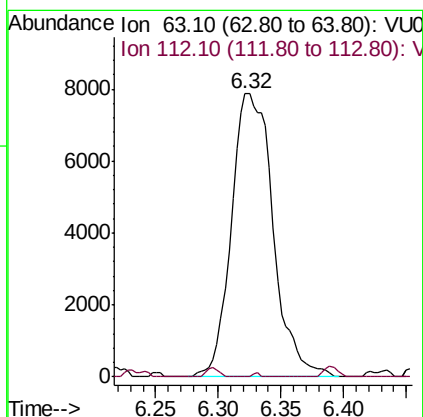
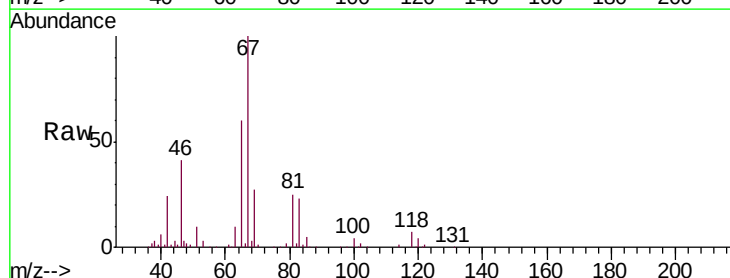
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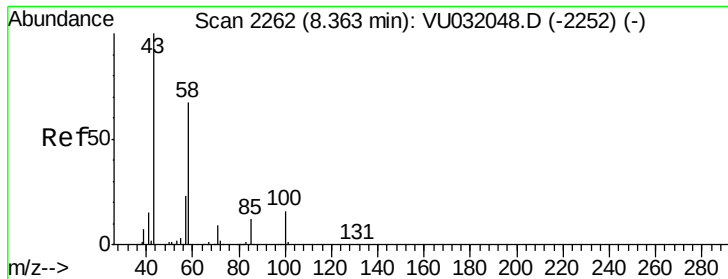
Tgt Ion: 83 Resp: 38752  
Ion Ratio Lower Upper  
83 100  
55 0.5 59.7 89.5#  
98 0.8 36.8 55.2#



#37  
1,2-Dichloropropane  
Concen: 1.193 ug/L  
RT: 6.32 min Scan# 1627  
Delta R.T. -0.11 min  
Lab File: VU032066.D  
Acq: 16 May 2019 22:19

Tgt Ion: 63 Resp: 18191  
Ion Ratio Lower Upper  
63 100  
112 0.2 3.8 5.6#

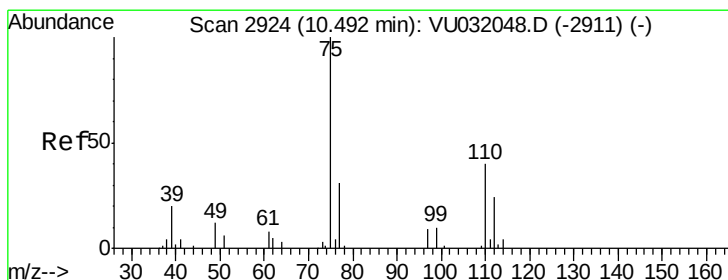
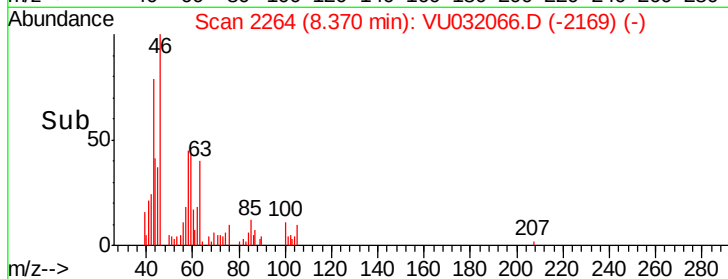
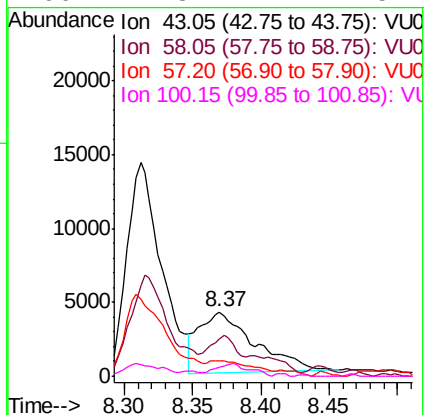
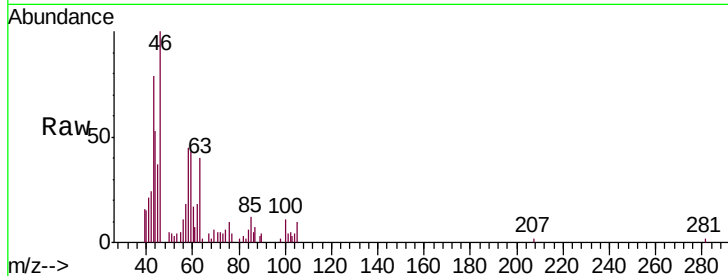




#48  
 2-Hexanone  
 Concen: 2.115 ug/L  
 RT: 8.37 min Scan# 2264  
 Delta R.T. 0.01 min  
 Lab File: VU032066.D  
 Acq: 16 May 2019 22:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9W08

Tgt Ion: 43 Resp: 11599  
 Ion Ratio Lower Upper  
 43 100  
 58 17.2 51.6 77.4#  
 57 11.6 18.4 27.6#  
 100 12.8 12.2 18.4



#59  
 1,2,3-Trichloropropane  
 Concen: 1.799 ug/L  
 RT: 11.48 min Scan# 3231  
 Delta R.T. 0.99 min  
 Lab File: VU032066.D  
 Acq: 16 May 2019 22:19

Tgt Ion: 75 Resp: 17425  
 Ion Ratio Lower Upper  
 75 100  
 77 40.2 26.2 39.2#

