

Data File : VU032652.D  
Acq On : 12 Jun 2019 15:19  
Operator : JC/SP  
Sample : K3292-08DL 10X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB8P9DL

Quant Time: Jun 13 05:06:07 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jun 13 05:01:06 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 163083   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 153004   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 77735    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 56878    | 53.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 107.52% |
| 7) Chloroethane-d5             | 1.67    | 69    | 44992    | 52.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 105.84% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 83887    | 40.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 80.98%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 90673    | 102.40   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.40% |
| 24) Chloroform-d               | 4.64    | 84    | 100976   | 51.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.34% |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 67361    | 54.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 108.38% |
| 32) Benzene-d6                 | 5.33    | 84    | 207869   | 52.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.66% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 66274    | 53.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 106.42% |
| 41) Toluene-d8                 | 7.56    | 98    | 190274   | 50.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.04% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 29507    | 49.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 99.00%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 58185    | 96.31    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 96.31%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 91074    | 50.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 100.92% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 77737    | 52.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.42% |

#### Target Compounds

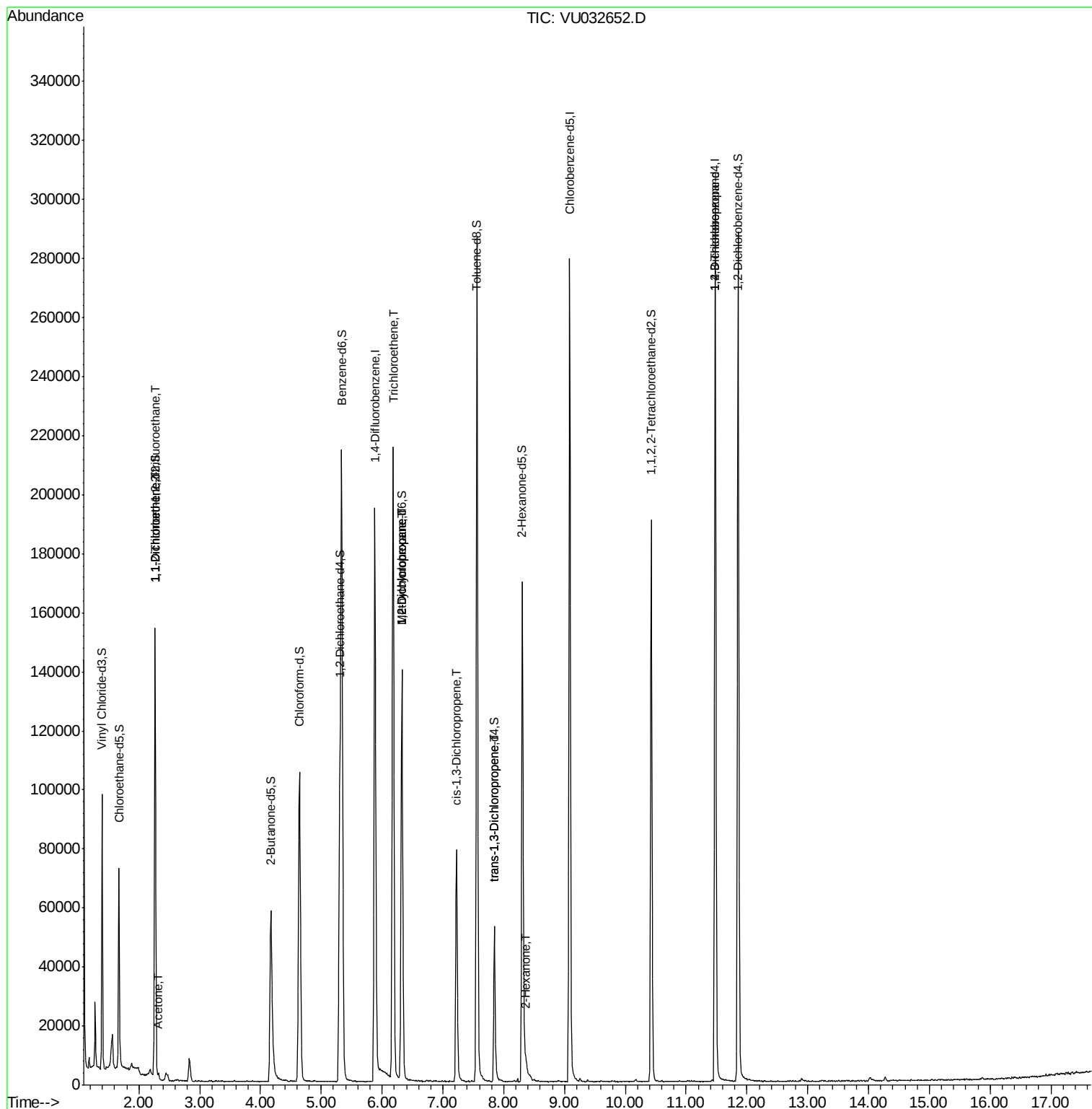
|                                |       |     |       |        | Qvalue |    |
|--------------------------------|-------|-----|-------|--------|--------|----|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.26  | 101 | 755   | 0.758  | ug/L # | 18 |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 710   | 0.734  | ug/L # | 1  |
| 13) Acetone                    | 2.32  | 43  | 864   | 0.946  | ug/L   | 94 |
| 34) Trichloroethene            | 6.18  | 95  | 71798 | 61.388 | ug/L   | 97 |
| 35) Methylcyclohexane          | 6.32  | 83  | 15260 | 8.060  | ug/L # | 19 |
| 37) 1,2-Dichloropropane        | 6.32  | 63  | 7478  | 6.562  | ug/L # | 88 |
| 39) cis-1,3-Dichloropropene    | 7.23  | 75  | 2170  | 1.207  | ug/L # | 58 |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 1413  | 0.885  | ug/L   | 92 |
| 48) 2-Hexanone                 | 8.36  | 43  | 2482  | 1.648  | ug/L # | 48 |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 9869  | 6.662  | ug/L   | 94 |

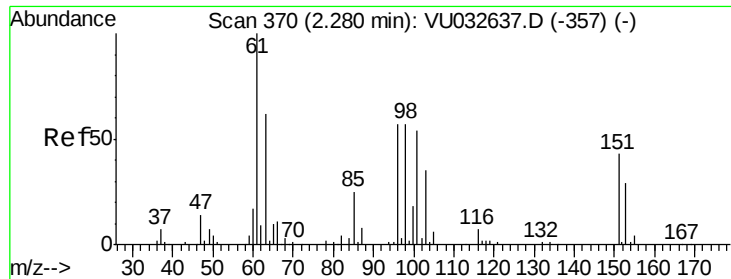
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jun 13 05:01:06 2019  
Response via : Initial Calibration





#10

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

Concen: 0.758 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.02 min

Lab File: VU032652.D

Acq: 12 Jun 2019 15:19

Instrument :

MSVOA\_U

ClientSampleId :

DB8P9DL

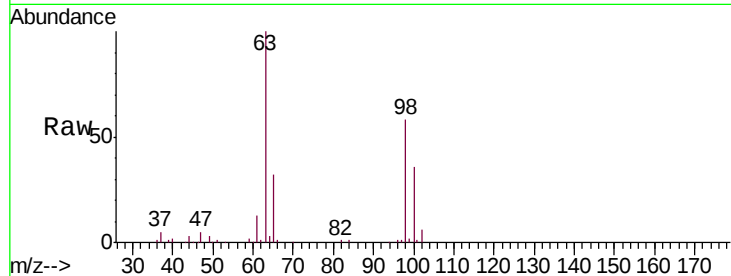
Tgt Ion: 101 Resp: 755

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

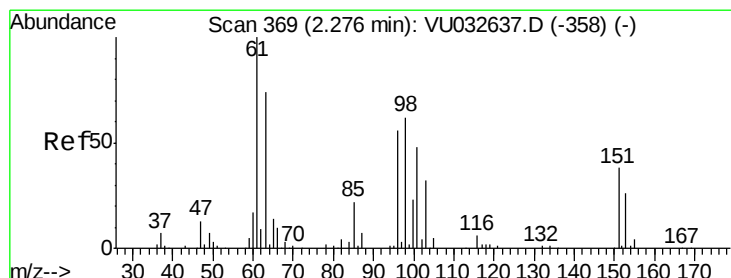
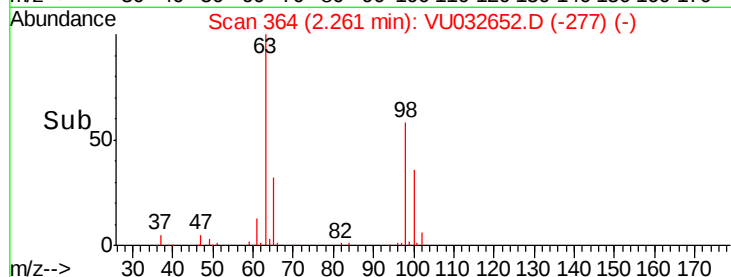
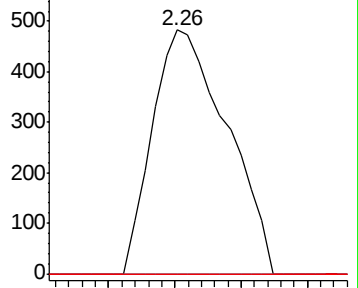
151 0.0 63.0 94.4#



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



#12

1,1-Dichloroethene

Concen: 0.734 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032652.D

Acq: 12 Jun 2019 15:19

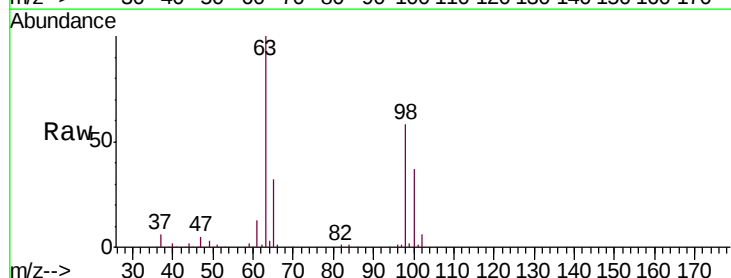
Tgt Ion: 96 Resp: 710

Ion Ratio Lower Upper

96 100

61 1582.5 129.5 240.5#

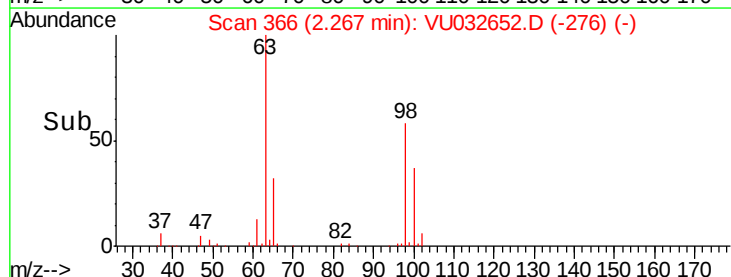
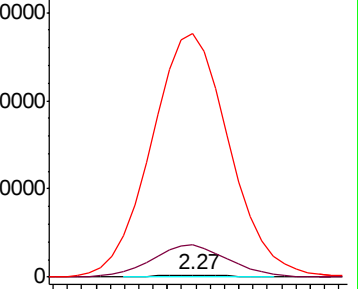
63 12057.6 103.4 192.0#

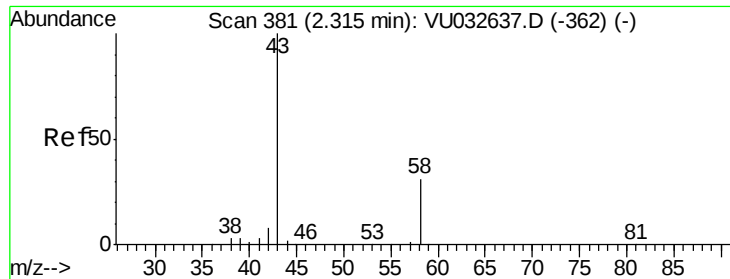


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

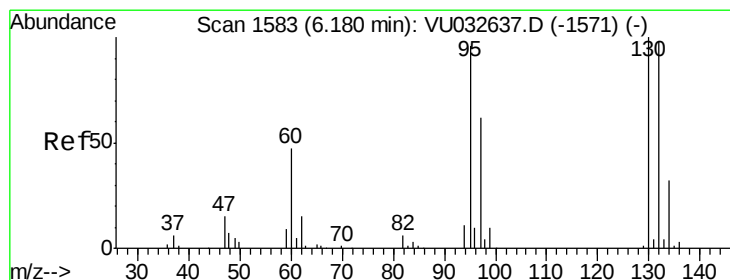
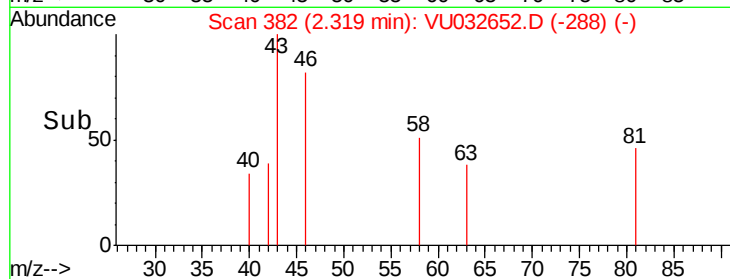
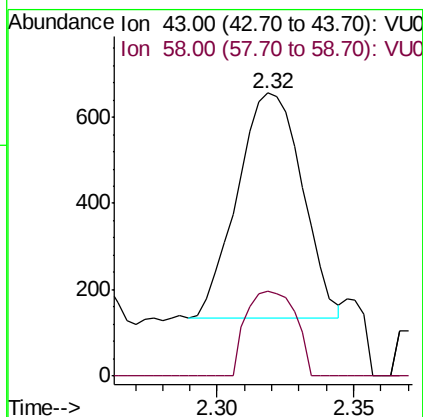
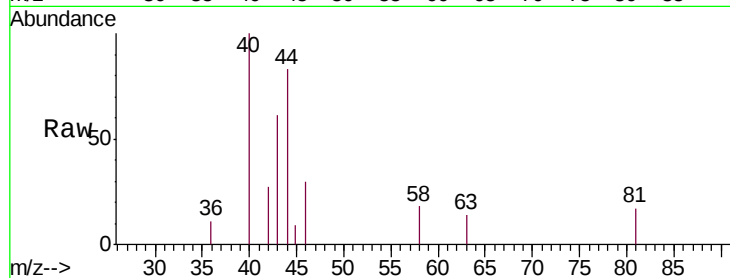




#13  
Acetone  
Concen: 0.946 ug/L  
RT: 2.32 min Scan# 382  
Delta R.T. 0.00 min  
Lab File: VU032652.D  
Acq: 12 Jun 2019 15:19

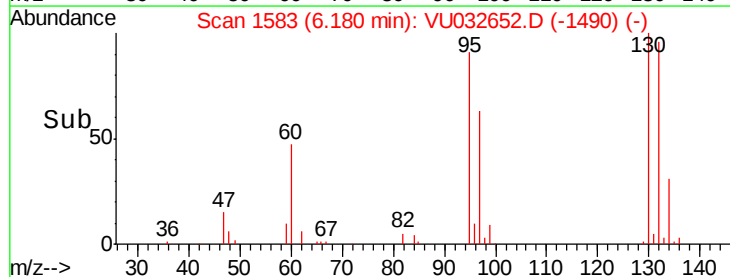
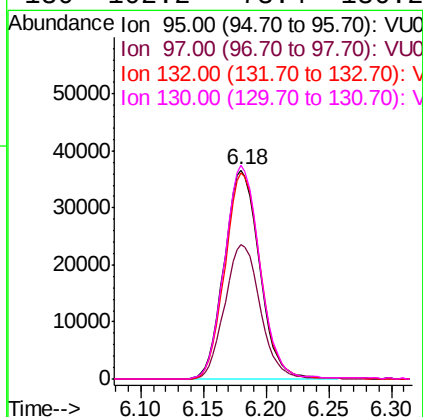
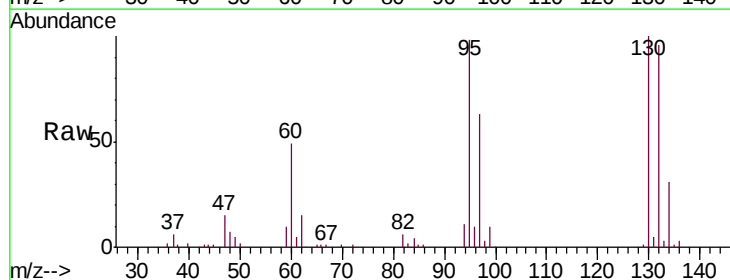
Instrument :  
MSVOA\_U  
ClientSampleId :  
DB8P9DL

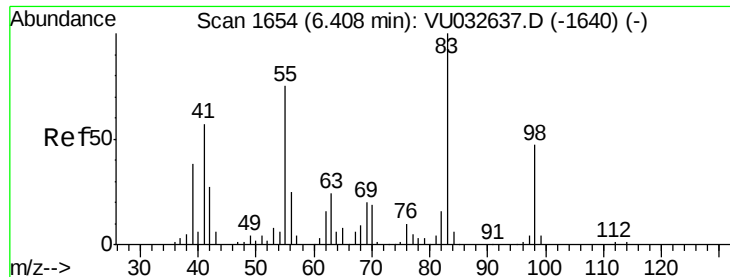
Tgt Ion: 43 Resp: 864  
Ion Ratio Lower Upper  
43 100  
58 28.8 0.0 64.0



#34  
Trichloroethene  
Concen: 61.388 ug/L  
RT: 6.18 min Scan# 1583  
Delta R.T. 0.00 min  
Lab File: VU032652.D  
Acq: 12 Jun 2019 15:19

Tgt Ion: 95 Resp: 71798  
Ion Ratio Lower Upper  
95 100  
97 64.3 45.8 85.2  
132 98.3 71.0 131.8  
130 102.2 73.4 136.2

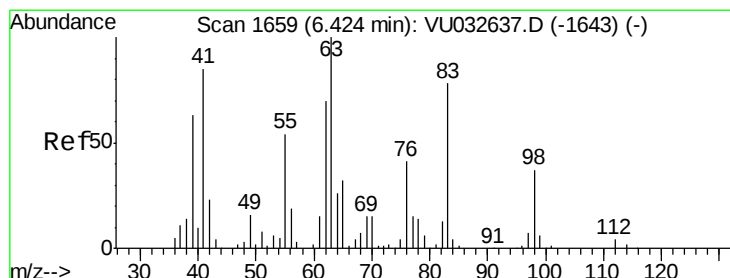
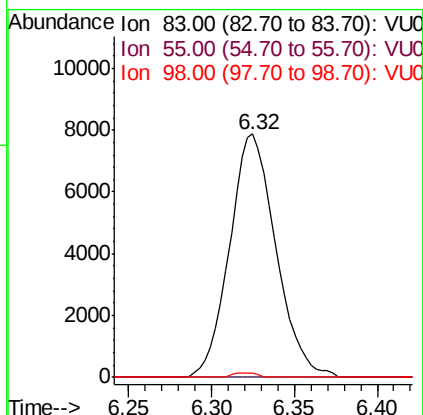
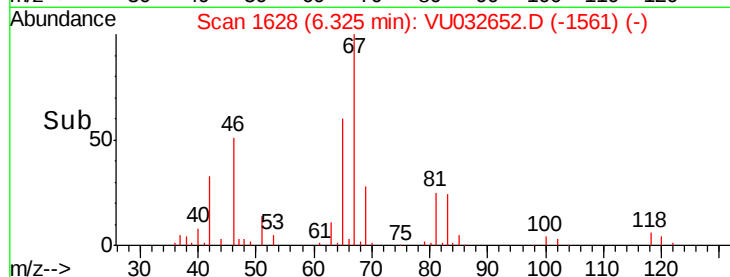
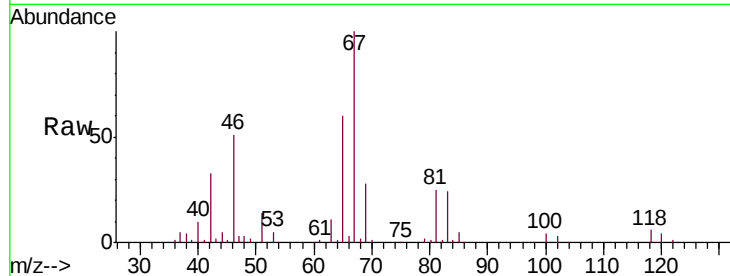




#35  
Methylcyclohexane  
Concen: 8.060 ug/L  
RT: 6.32 min Scan# 1628  
Delta R.T. -0.08 min  
Lab File: VU032652.D  
Acq: 12 Jun 2019 15:19

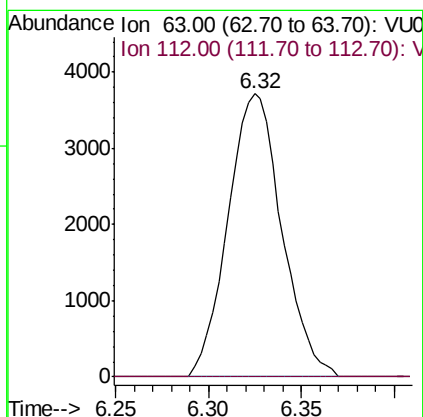
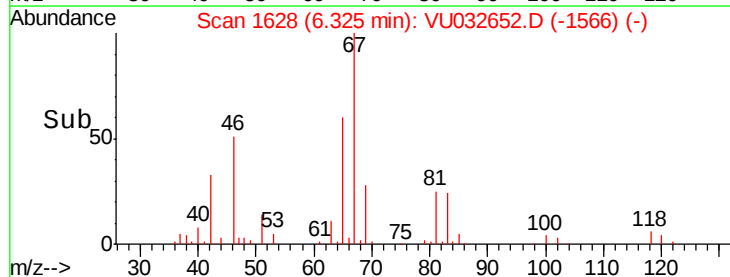
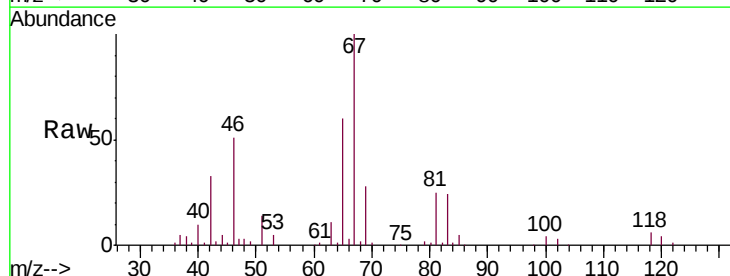
Instrument :  
MSVOA\_U  
ClientSampleId :  
DB8P9DL

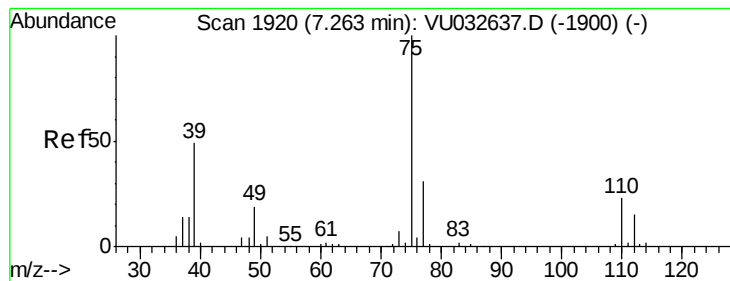
Tgt Ion: 83 Resp: 15260  
Ion Ratio Lower Upper  
83 100  
55 0.0 60.2 90.4#  
98 0.9 37.4 56.2#



#37  
1,2-Dichloropropane  
Concen: 6.562 ug/L  
RT: 6.32 min Scan# 1628  
Delta R.T. -0.10 min  
Lab File: VU032652.D  
Acq: 12 Jun 2019 15:19

Tgt Ion: 63 Resp: 7478  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.1 4.7#





#39

cis-1,3-Dichloropropene

Concen: 1.207 ug/L

RT: 7.23 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU032652.D

Acq: 12 Jun 2019 15:19

Instrument :

MSVOA\_U

ClientSampled :

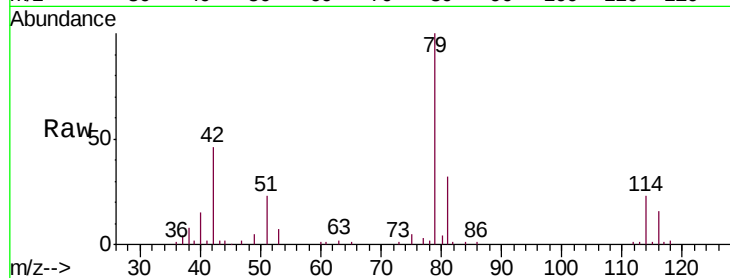
DB8P9DL

Tgt Ion: 75 Resp: 2170

Ion Ratio Lower Upper

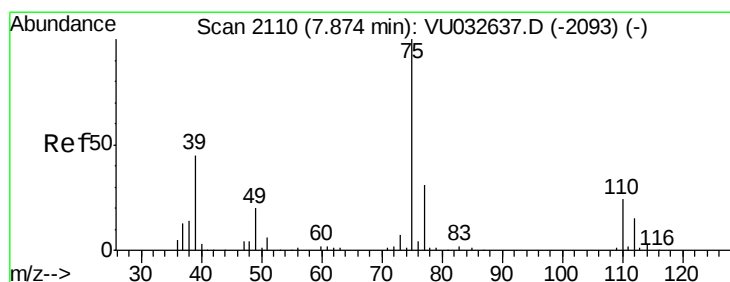
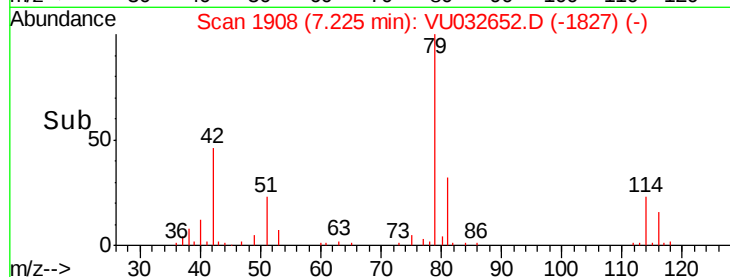
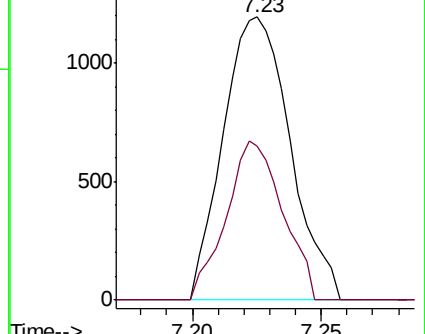
75 100

77 54.6 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.885 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032652.D

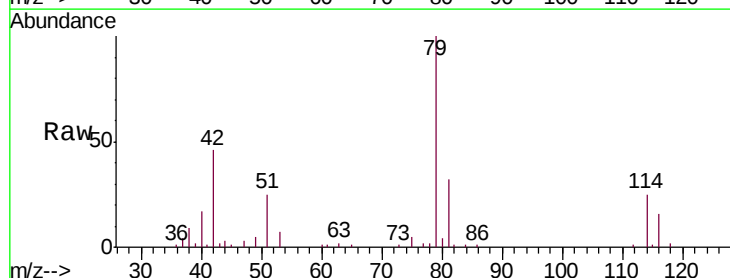
Acq: 12 Jun 2019 15:19

Tgt Ion: 75 Resp: 1413

Ion Ratio Lower Upper

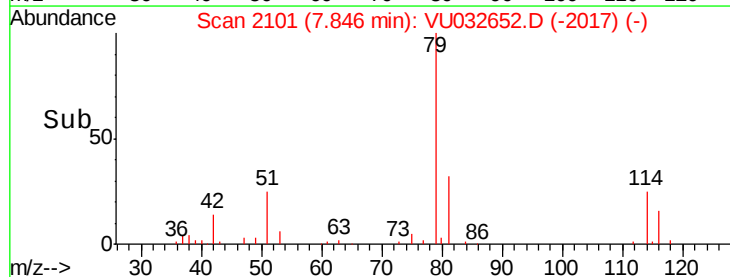
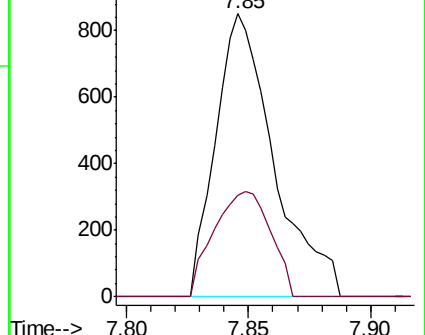
75 100

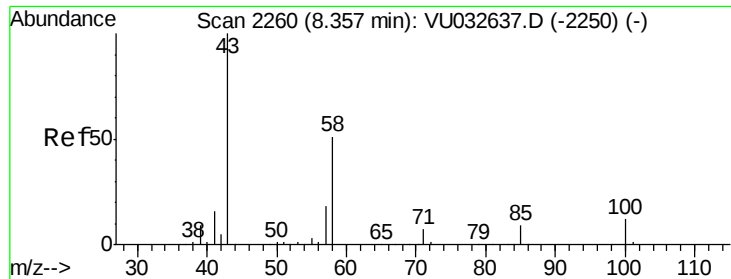
77 36.0 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

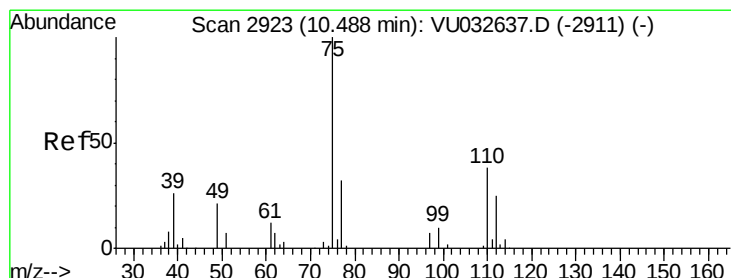
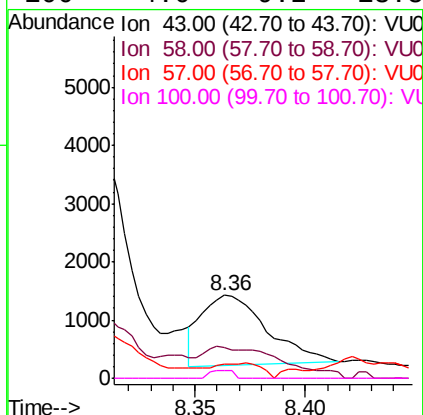
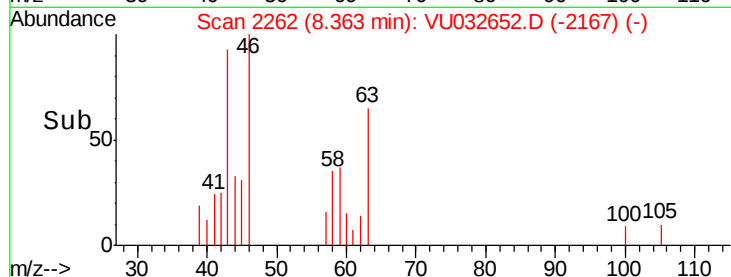
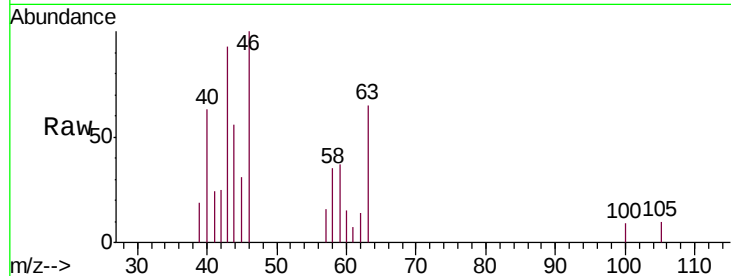




#48  
2-Hexanone  
Concen: 1.648 ug/L  
RT: 8.36 min Scan# 2262  
Delta R.T. 0.01 min  
Lab File: VU032652.D  
Acq: 12 Jun 2019 15:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB8P9DL

Tgt Ion: 43 Resp: 2482  
Ion Ratio Lower Upper  
43 100  
58 6.8 42.0 63.0#  
57 2.2 14.6 22.0#  
100 4.0 9.2 13.8#



#59  
1,2,3-Trichloropropane  
Concen: 6.662 ug/L  
RT: 11.48 min Scan# 3231  
Delta R.T. 0.99 min  
Lab File: VU032652.D  
Acq: 12 Jun 2019 15:19

Tgt Ion: 75 Resp: 9869  
Ion Ratio Lower Upper  
75 100  
77 35.5 25.6 38.4

