

Data File : VU032578.D  
Acq On : 10 Jun 2019 20:25  
Operator : JC/SP  
Sample : K3277-14  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB8B9

Quant Time: Jun 11 05:43:15 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jun 11 05:38:55 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 191331   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 179219   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 93788    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 59808    | 48.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 96.36%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 48484    | 48.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 97.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 90707    | 37.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.64%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 121735   | 117.19   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 117.19% |
| 24) Chloroform-d               | 4.64    | 84    | 113682   | 49.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 75486    | 51.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.52% |
| 32) Benzene-d6                 | 5.33    | 84    | 237079   | 50.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.92% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 75066    | 51.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 102.90% |
| 41) Toluene-d8                 | 7.56    | 98    | 220565   | 50.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.00% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 35356    | 50.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 101.28% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 76246    | 107.74   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 107.74% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 107818   | 51.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 102.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 92480    | 51.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.96% |

#### Target Compounds

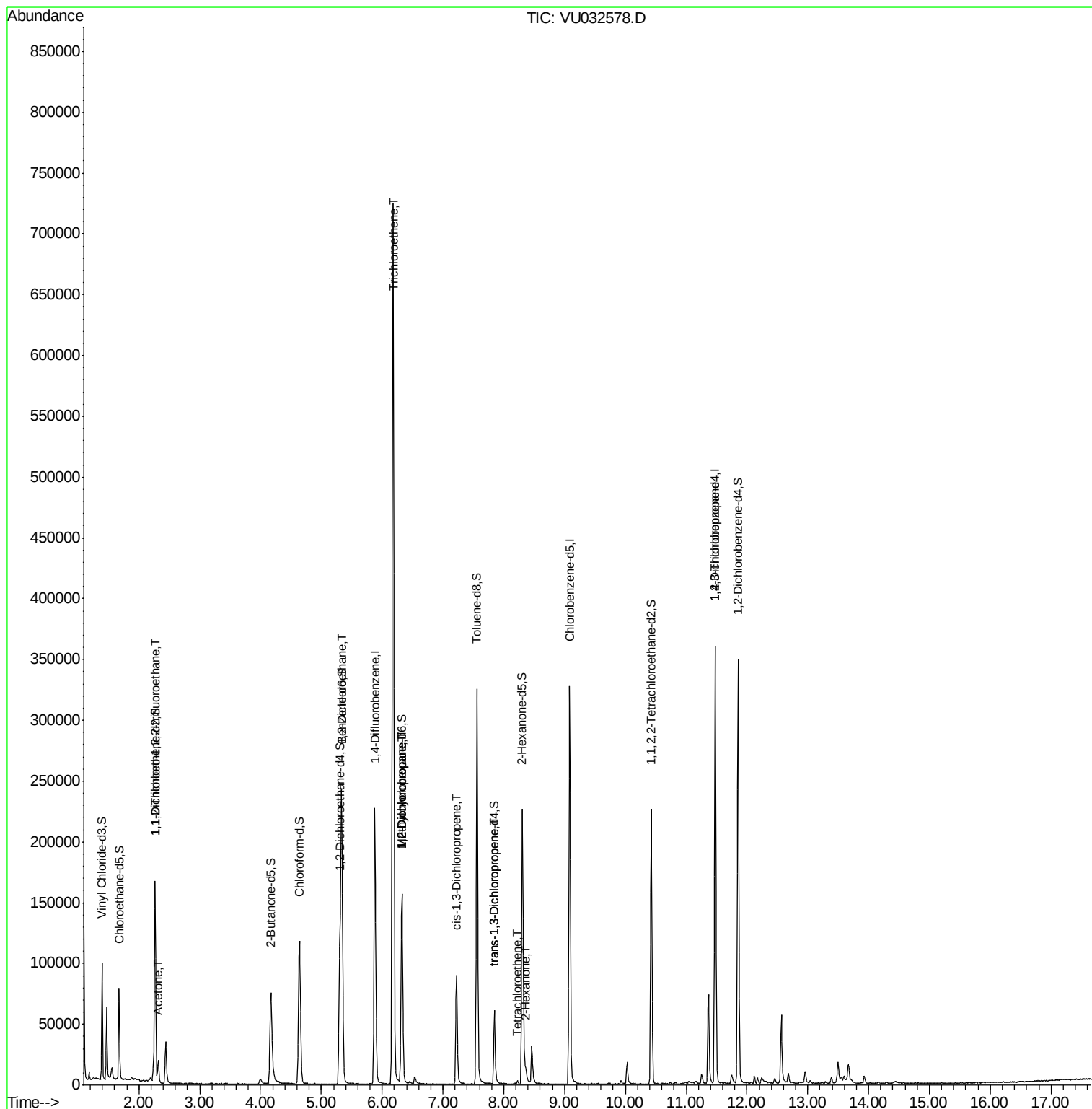
|                                |       |     |        |         | Qvalue |     |
|--------------------------------|-------|-----|--------|---------|--------|-----|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.26  | 101 | 878    | 0.751   | ug/L # | 18  |
| 13) Acetone                    | 2.32  | 43  | 18924  | 17.655  | ug/L   | 100 |
| 27) 1,2-Dichloroethane         | 5.33  | 62  | 1283   | 0.701   | ug/L # | 75  |
| 34) Trichloroethene            | 6.18  | 95  | 237109 | 173.076 | ug/L   | 98  |
| 35) Methylcyclohexane          | 6.32  | 83  | 17001  | 7.666   | ug/L # | 19  |
| 37) 1,2-Dichloropropane        | 6.32  | 63  | 8171   | 6.121   | ug/L # | 88  |
| 39) cis-1,3-Dichloropropene    | 7.22  | 75  | 2271   | 1.078   | ug/L # | 59  |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 1636   | 0.875   | ug/L   | 97  |
| 46) Tetrachloroethene          | 8.22  | 164 | 537    | 0.475   | ug/L   | 73  |
| 48) 2-Hexanone                 | 8.36  | 43  | 5162   | 2.927   | ug/L # | 96  |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 11160  | 6.431   | ug/L   | 89  |

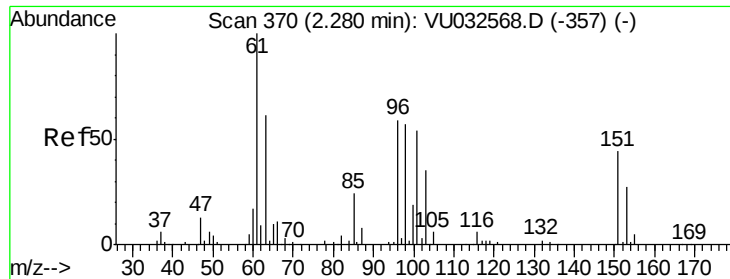
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU032578.D  
Acq On : 10 Jun 2019 20:25  
Operator : JC/SP  
Sample : K3277-14  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB8B9

Quant Time: Jun 11 05:43:15 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jun 11 05:38:55 2019  
Response via : Initial Calibration





#10

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

Concen: 0.751 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032578.D

Acq: 10 Jun 2019 20:25

Instrument :

MSVOA\_U

ClientSampleId :

DB8B9

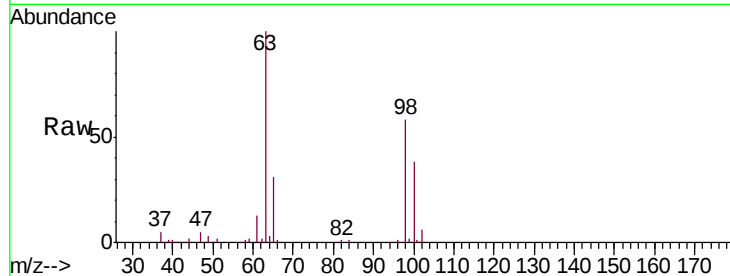
Tgt Ion:101 Resp: 878

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

151 0.0 63.0 94.4#

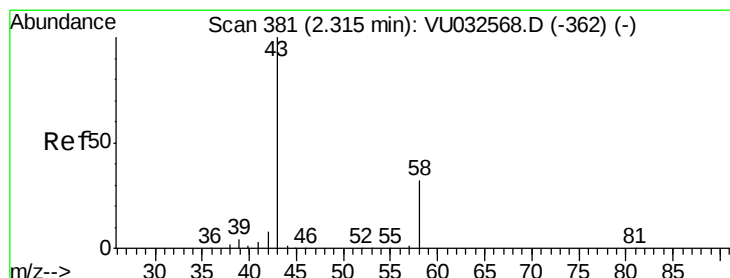
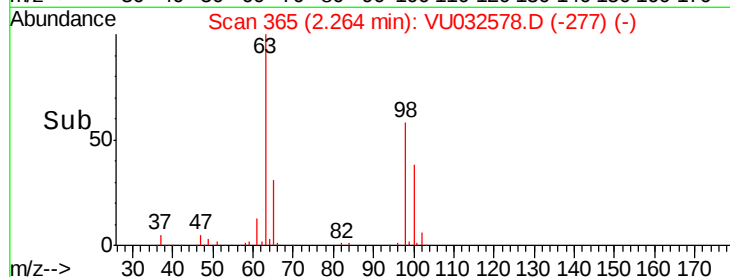
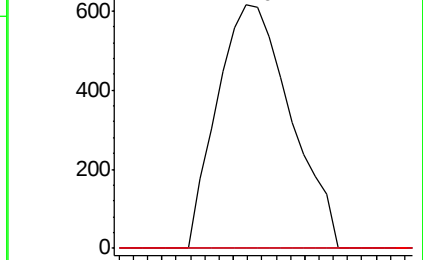


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.26



#13

Acetone

Concen: 17.655 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032578.D

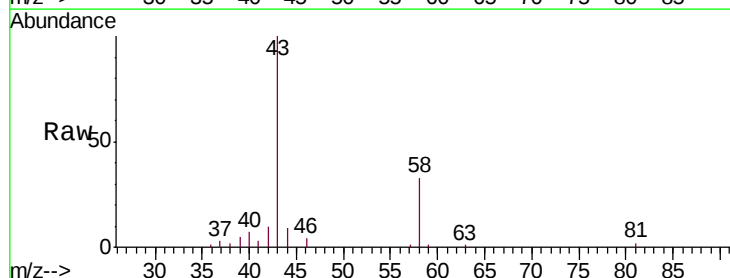
Acq: 10 Jun 2019 20:25

Tgt Ion: 43 Resp: 18924

Ion Ratio Lower Upper

43 100

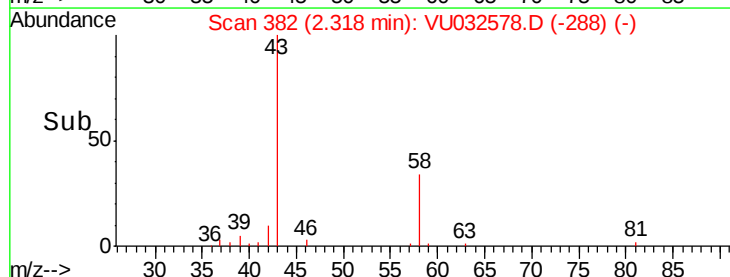
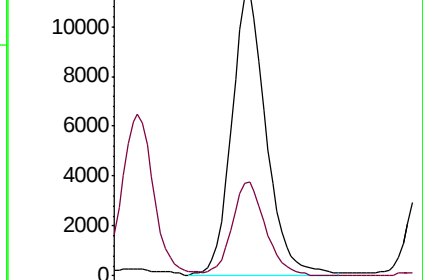
58 32.1 0.0 64.0

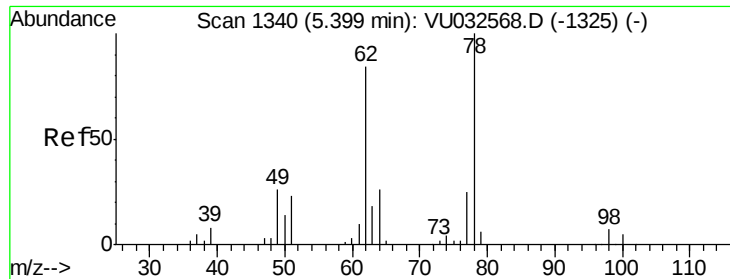


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32





#27

1,2-Dichloroethane

Concen: 0.701 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU032578.D

Acq: 10 Jun 2019 20:25

Instrument :

MSVOA\_U

ClientSampleId :

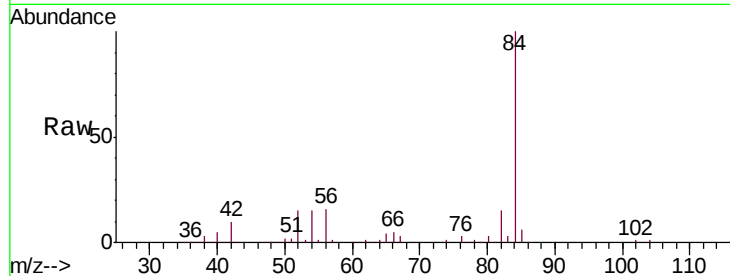
DB8B9

Tgt Ion: 62 Resp: 1283

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032568.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU032568.D (-1325) (-)

5.33

600

400

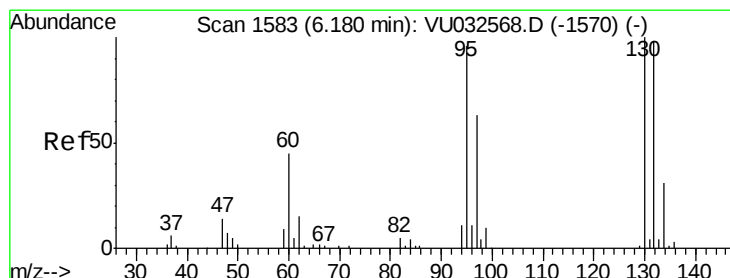
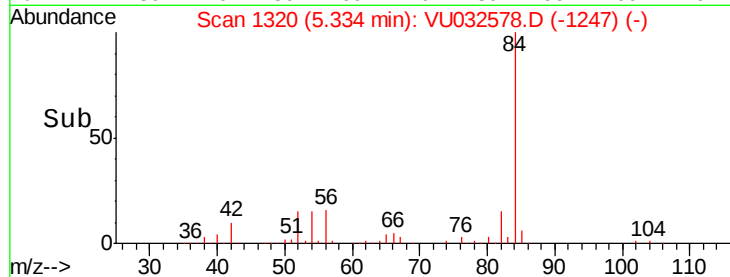
200

0

5.30

5.35

Time-->



#34

Trichloroethene

Concen: 173.076 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032578.D

Acq: 10 Jun 2019 20:25

Tgt Ion: 95 Resp: 237109

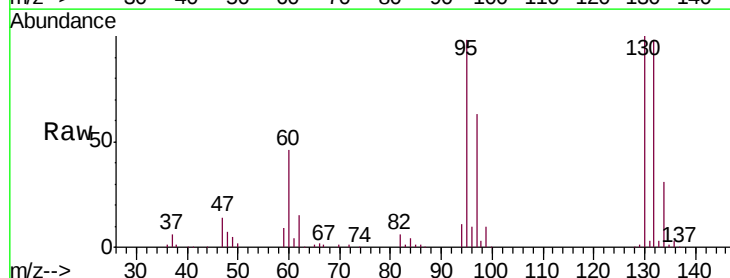
Ion Ratio Lower Upper

95 100

97 64.3 45.8 85.2

132 100.1 71.0 131.8

130 102.1 73.4 136.2



Abundance Ion 95.00 (94.70 to 95.70): VU032568.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU032568.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU032568.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU032568.D (-1570) (-)

200000

150000

100000

50000

0

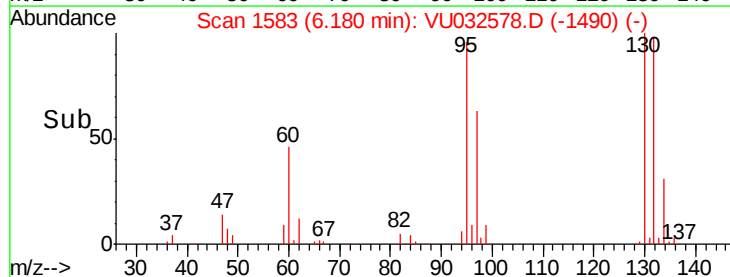
6.10

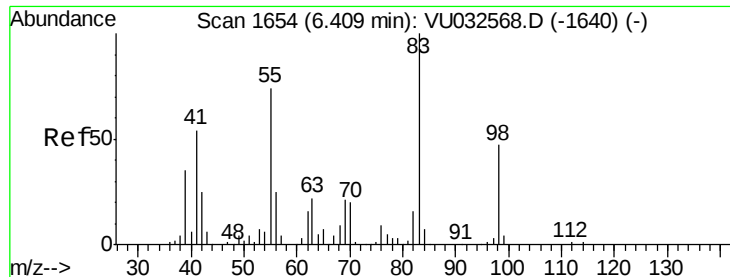
6.15

6.20

6.25

Time-->

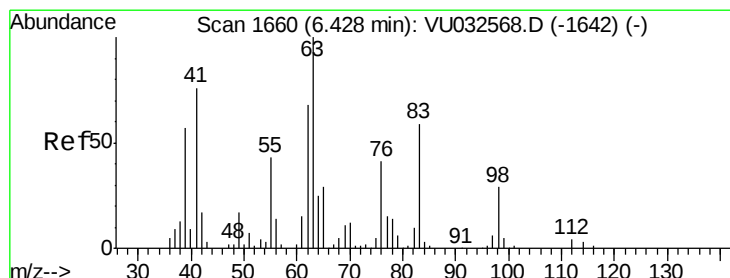
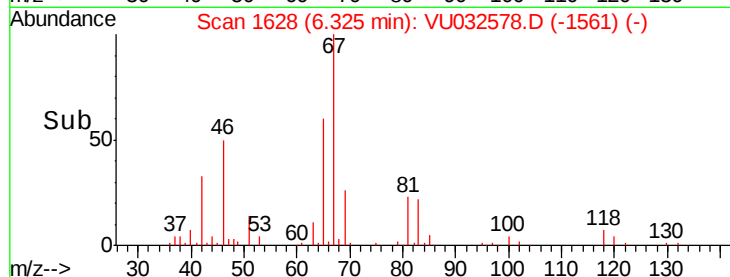
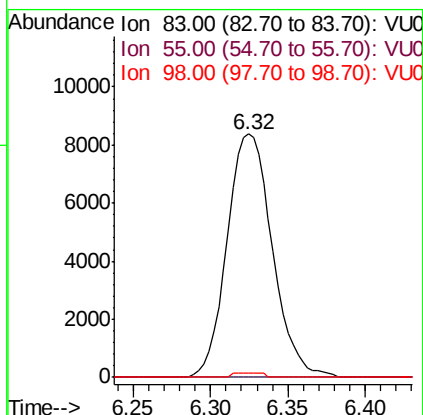
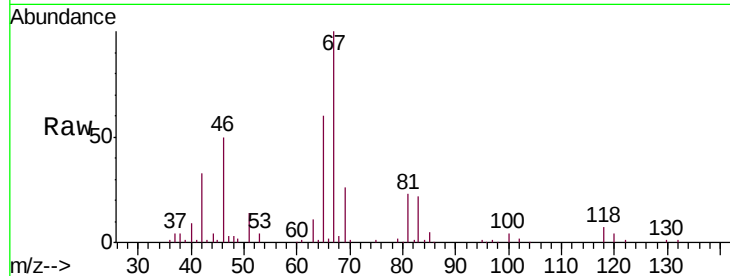




#35  
Methylcyclohexane  
Concen: 7.666 ug/L  
RT: 6.32 min Scan# 1628  
Delta R.T. -0.08 min  
Lab File: VU032578.D  
Acq: 10 Jun 2019 20:25

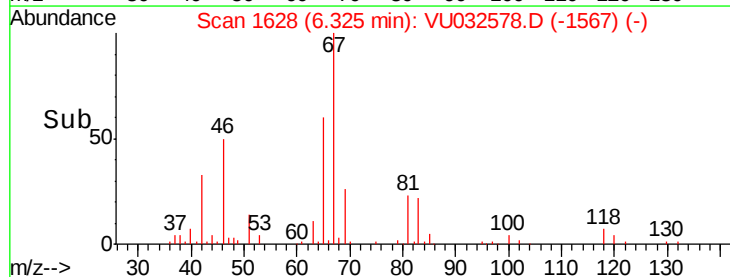
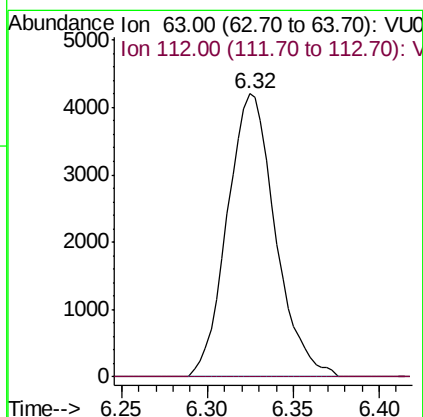
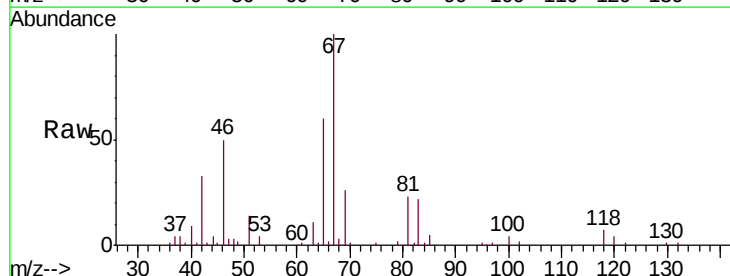
Instrument :  
MSVOA\_U  
ClientSampled :  
DB8B9

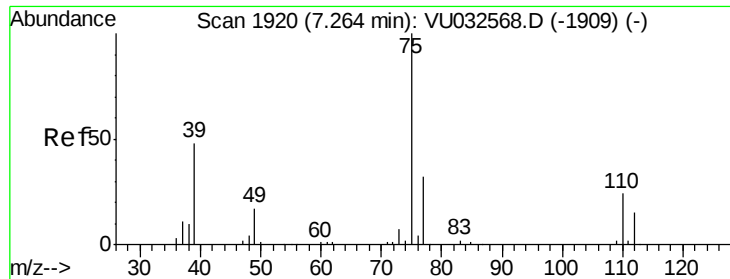
Tgt Ion: 83 Resp: 17001  
Ion Ratio Lower Upper  
83 100  
55 0.4 60.2 90.4#  
98 0.7 37.4 56.2#



#37  
1,2-Dichloropropane  
Concen: 6.121 ug/L  
RT: 6.32 min Scan# 1628  
Delta R.T. -0.10 min  
Lab File: VU032578.D  
Acq: 10 Jun 2019 20:25

Tgt Ion: 63 Resp: 8171  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.1 4.7#

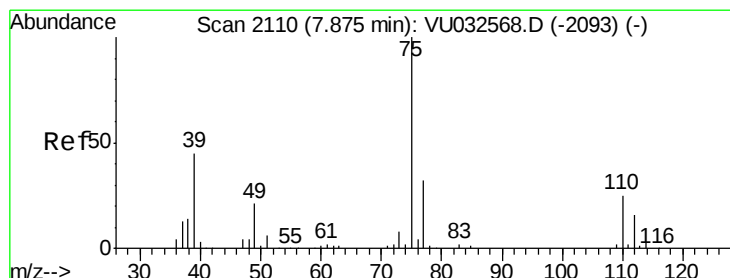
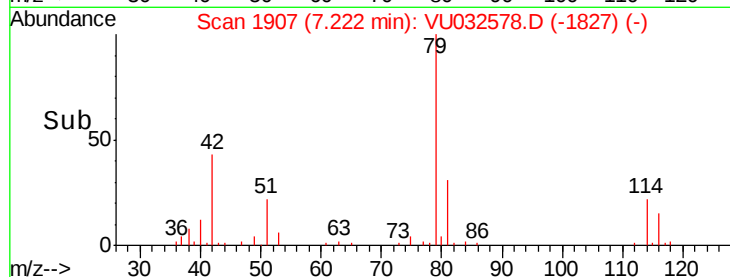
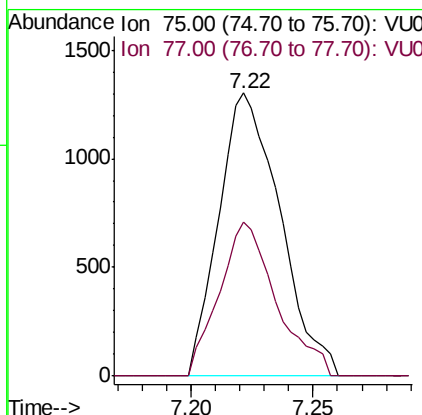
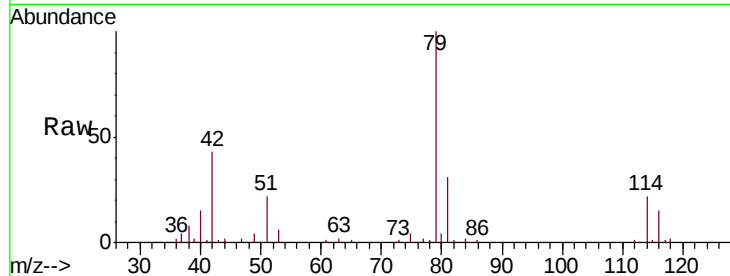




#39  
 cis-1,3-Dichloropropene  
 Concen: 1.078 ug/L  
 RT: 7.22 min Scan# 1907  
 Delta R.T. -0.04 min  
 Lab File: VU032578.D  
 Acq: 10 Jun 2019 20:25

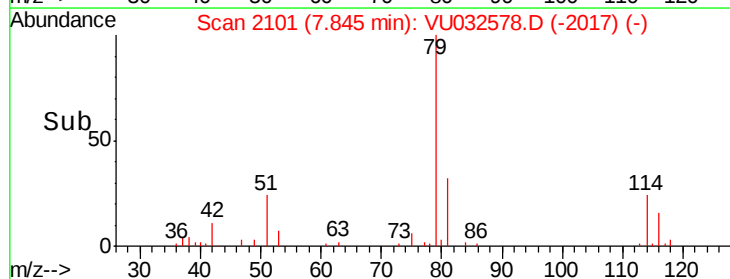
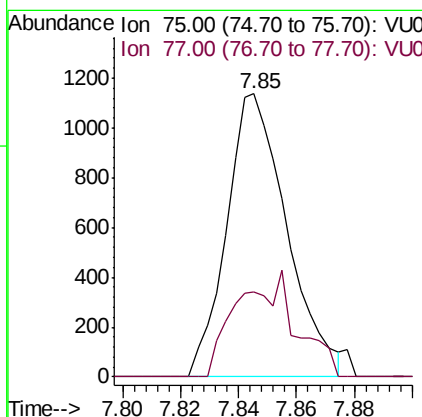
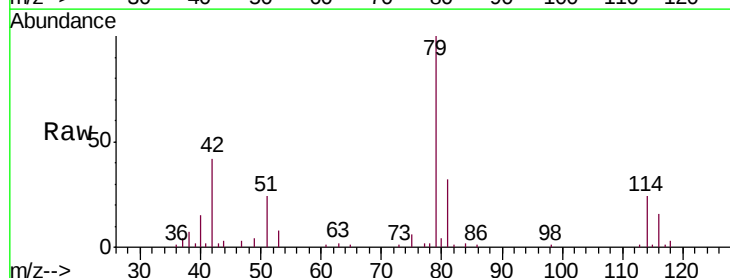
Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 DB8B9

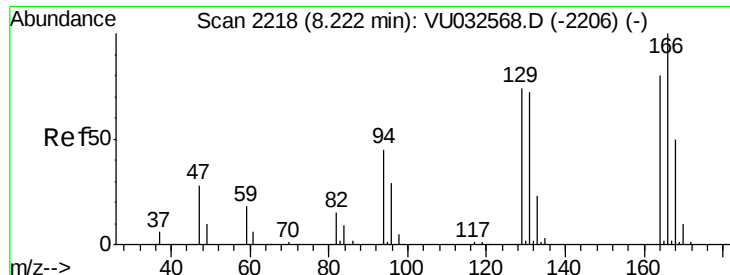
Tgt Ion: 75 Resp: 2271  
 Ion Ratio Lower Upper  
 75 100  
 77 54.5 22.0 41.0#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.875 ug/L  
 RT: 7.85 min Scan# 2101  
 Delta R.T. -0.03 min  
 Lab File: VU032578.D  
 Acq: 10 Jun 2019 20:25

Tgt Ion: 75 Resp: 1636  
 Ion Ratio Lower Upper  
 75 100  
 77 30.2 22.1 41.1

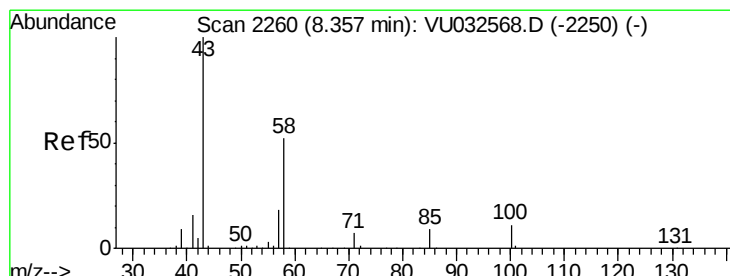
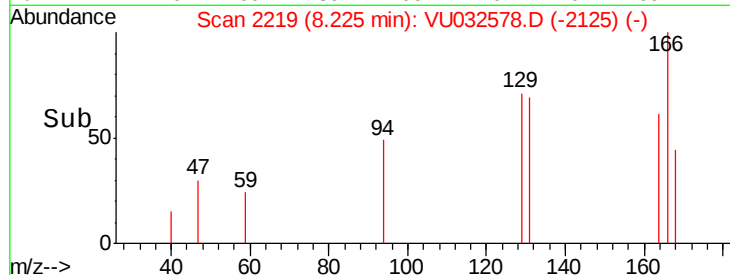
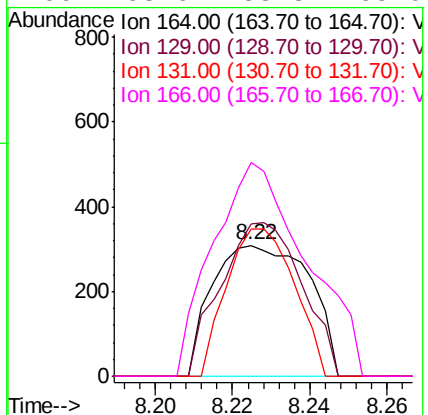
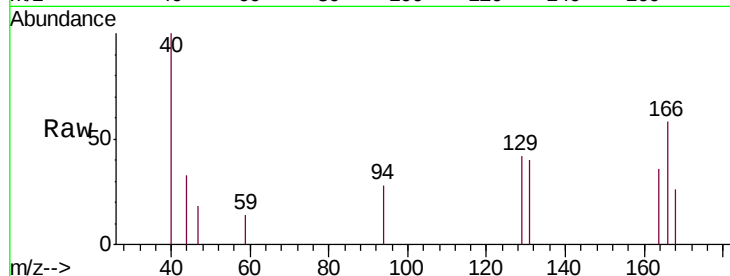




#46  
Tetrachloroethene  
Concen: 0.475 ug/L  
RT: 8.22 min Scan# 2219  
Delta R.T. 0.00 min  
Lab File: VU032578.D  
Acq: 10 Jun 2019 20:25

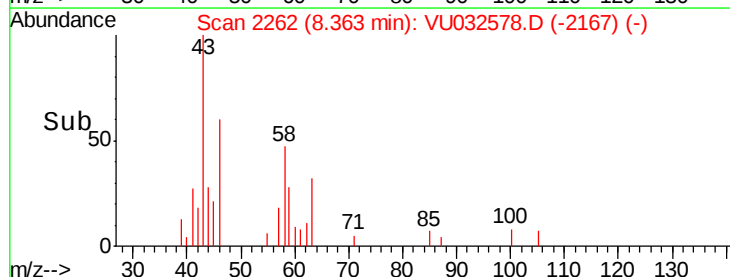
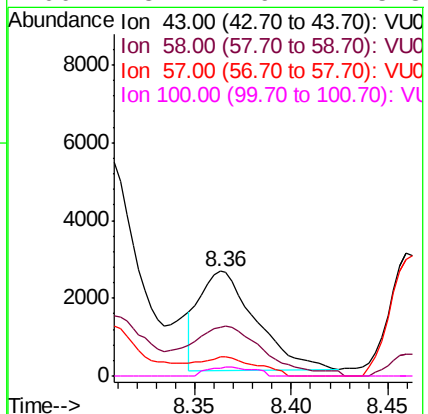
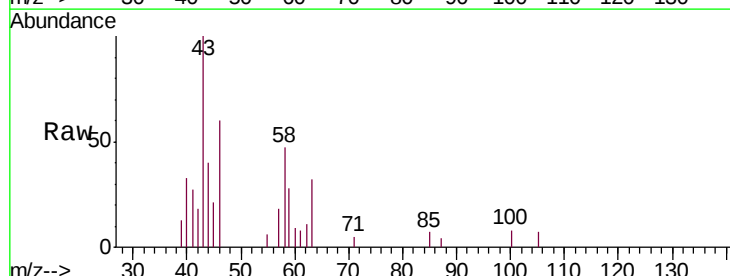
Instrument :  
MSVOA\_U  
ClientSampleId :  
DB8B9

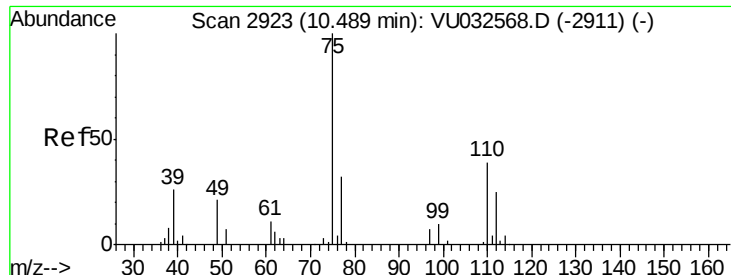
Tgt Ion:164 Resp: 537  
Ion Ratio Lower Upper  
164 100  
129 116.9 65.3 121.3  
131 113.0 64.0 119.0  
166 163.6 88.8 165.0



#48  
2-Hexanone  
Concen: 2.927 ug/L  
RT: 8.36 min Scan# 2262  
Delta R.T. 0.01 min  
Lab File: VU032578.D  
Acq: 10 Jun 2019 20:25

Tgt Ion: 43 Resp: 5162  
Ion Ratio Lower Upper  
43 100  
58 51.7 42.0 63.0  
57 16.1 14.6 22.0  
100 5.7 9.2 13.8#





#59

1,2,3-Trichloropropane

Concen: 6.431 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032578.D

Acq: 10 Jun 2019 20:25

Instrument :

MSVOA\_U

ClientSampleId :

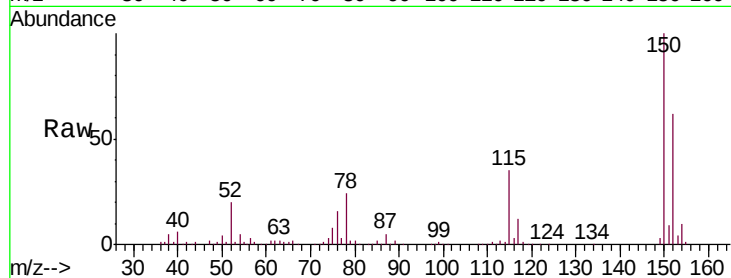
DB8B9

Tgt Ion: 75 Resp: 11160

Ion Ratio Lower Upper

75 100

77 38.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

