

Data File : VU026531.D  
Acq On : 05 Sep 2018 09:30  
Operator : MD/SY  
Sample : J4694-12 10X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BEE30

Quant Time: Sep 06 04:38:04 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Sep 06 04:37:37 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 161952   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 152538   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 62389    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 37329    | 37.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 74.40%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 37340    | 41.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 82.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 59529    | 26.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 52.68%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 78200    | 100.41   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 100.41% |
| 24) Chloroform-d               | 4.65    | 84    | 84844    | 44.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.54%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 59501    | 47.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.32%  |
| 32) Benzene-d6                 | 5.35    | 84    | 161430   | 45.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.84%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 59296    | 49.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.20%  |
| 41) Toluene-d8                 | 7.57    | 98    | 144492   | 42.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.14%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 11583    | 21.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 42.00%# |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 55646    | 100.46   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 100.46% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 84591    | 47.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.08%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 58811    | 51.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.92% |

#### Target Compounds

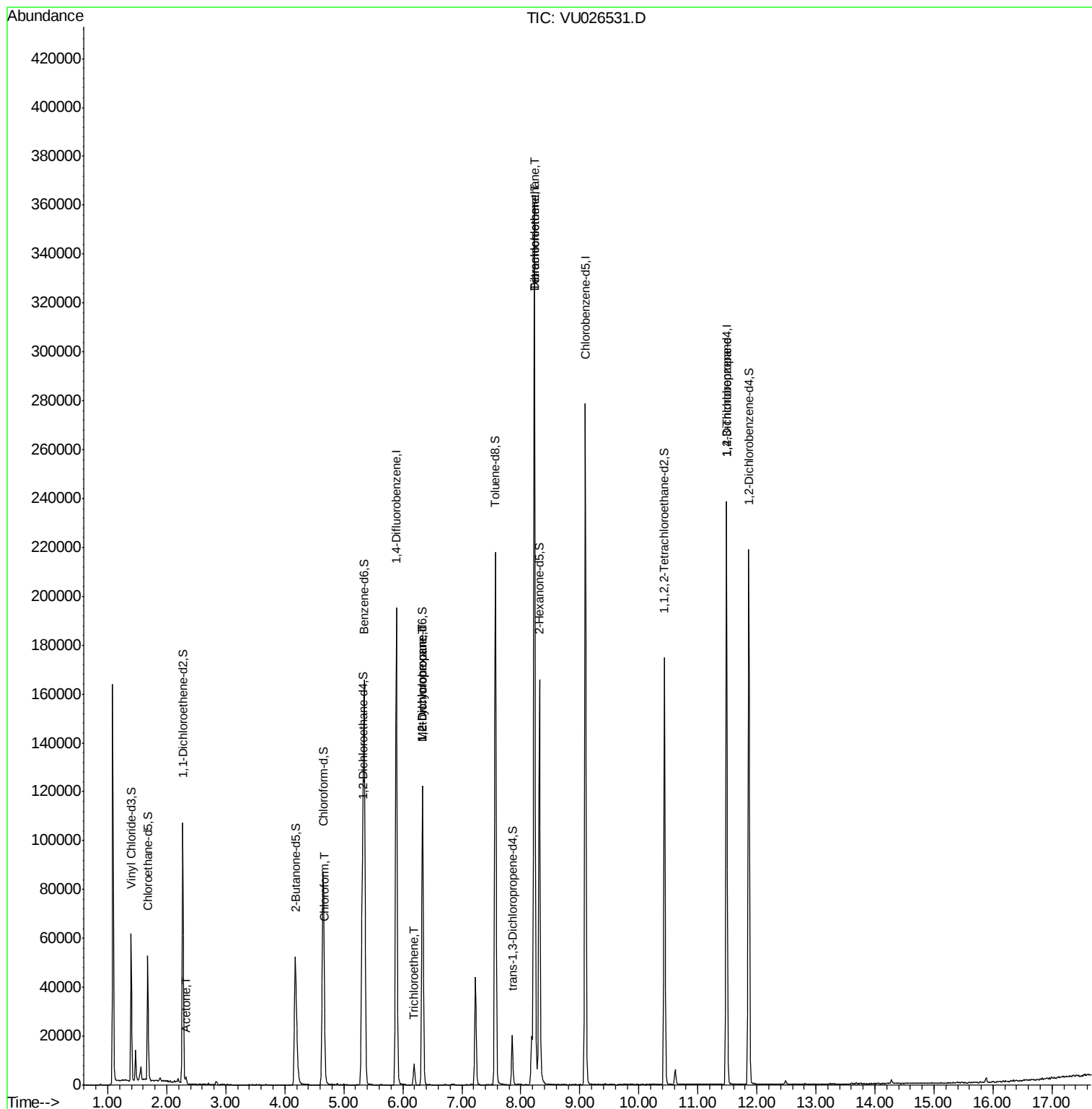
|                            |       |     |       |        |        | Qvalue |
|----------------------------|-------|-----|-------|--------|--------|--------|
| 13) Acetone                | 2.32  | 43  | 2830  | 4.197  | ug/L   | 97     |
| 25) Chloroform             | 4.68  | 83  | 3100  | 1.477  | ug/L   | 95     |
| 34) Trichloroethene        | 6.19  | 95  | 3147  | 2.869  | ug/L   | 95     |
| 35) Methylcyclohexane      | 6.33  | 83  | 13315 | 7.774  | ug/L # | 18     |
| 37) 1,2-Dichloropropane    | 6.33  | 63  | 6286  | 5.192  | ug/L # | 88     |
| 46) Tetrachloroethene      | 8.23  | 164 | 79195 | 88.308 | ug/L   | 96     |
| 49) Dibromochloromethane   | 8.23  | 129 | 74293 | 59.451 | ug/L # | 10     |
| 59) 1,2,3-Trichloropropane | 11.48 | 75  | 7263  | 4.808  | ug/L # | 88     |

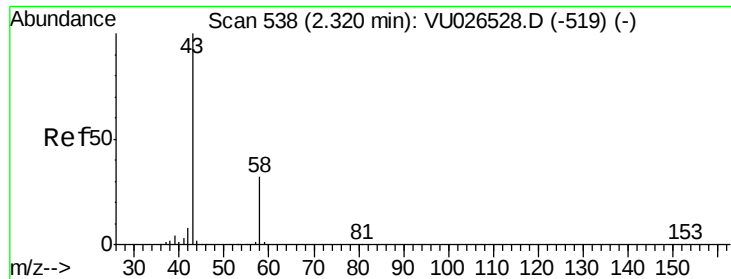
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 4.197 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

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Acq: 05 Sep 2018 09:30

Instrument :

MSVOA\_U

ClientSampleId :

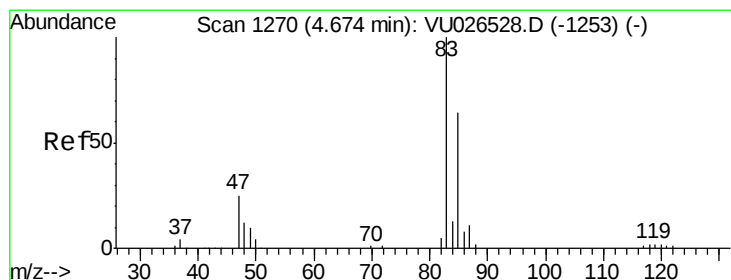
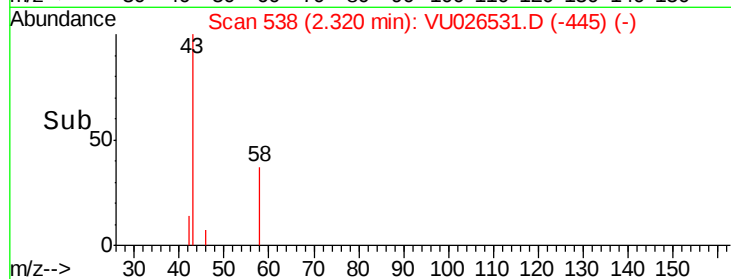
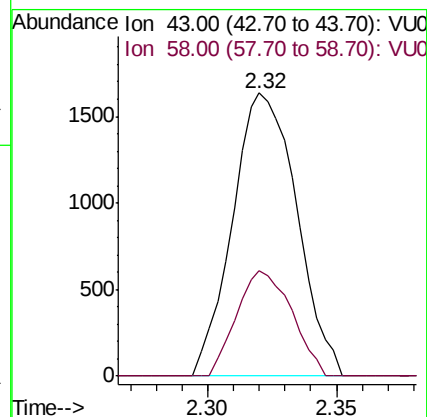
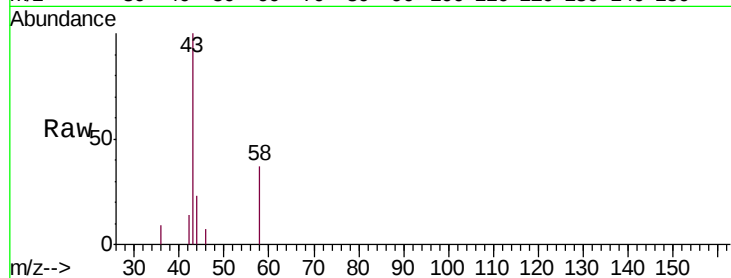
BEE30

Tgt Ion: 43 Resp: 2830

Ion Ratio Lower Upper

43 100

58 32.0 0.0 61.2



#25

Chloroform

Concen: 1.477 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU026531.D

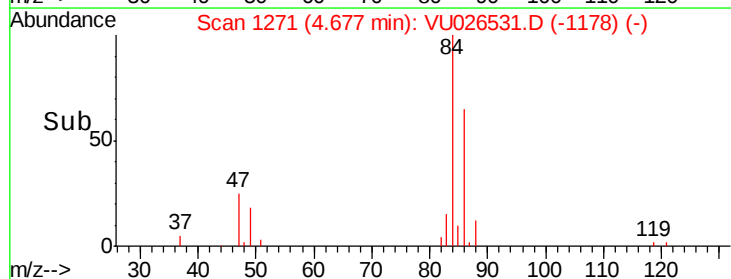
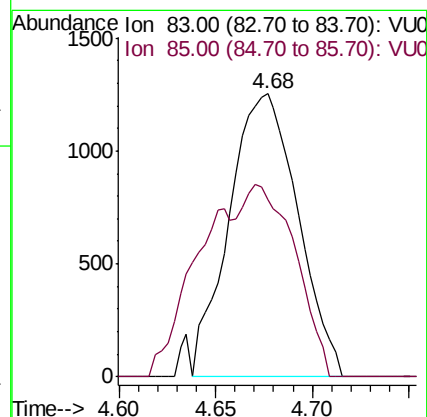
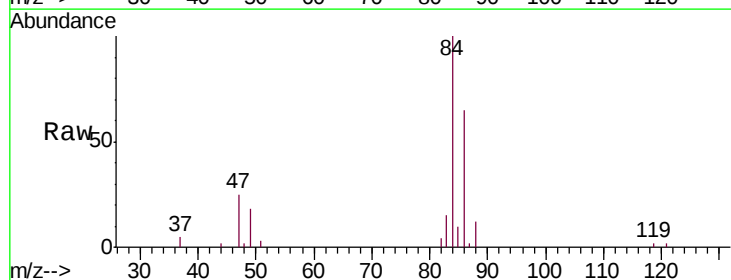
Acq: 05 Sep 2018 09:30

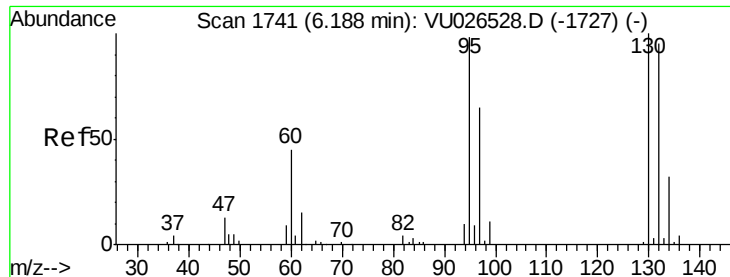
Tgt Ion: 83 Resp: 3100

Ion Ratio Lower Upper

83 100

85 62.8 46.5 86.5





#34

Trichloroethene

Concen: 2.869 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026531.D

Acq: 05 Sep 2018 09:30

Instrument :

MSVOA\_U

ClientSampled :

BEE30

Tgt Ion: 95 Resp: 3147

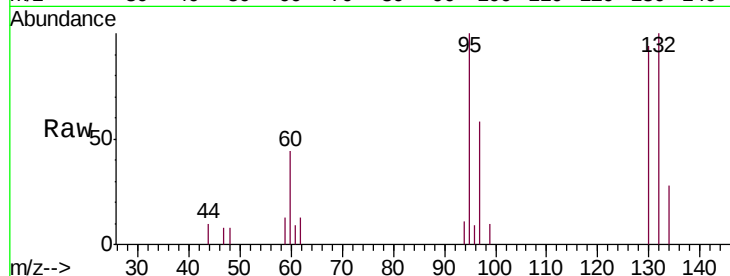
Ion Ratio Lower Upper

95 100

97 58.6 45.1 83.7

132 100.3 67.5 125.3

130 94.7 69.3 128.7

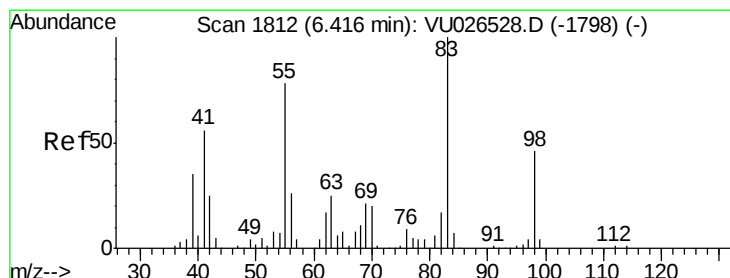
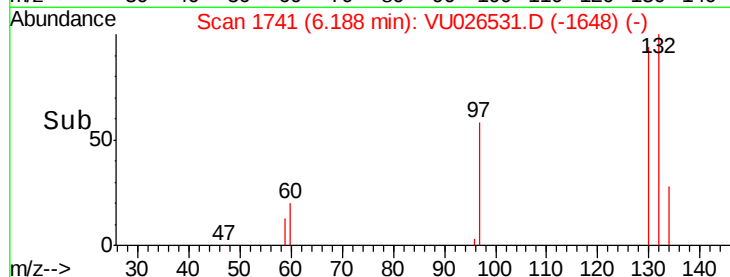
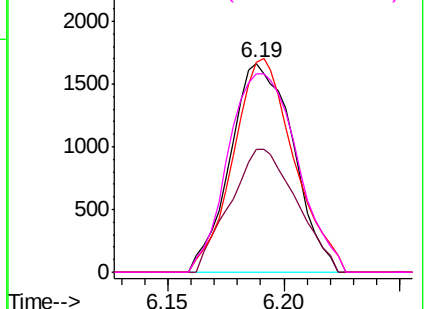


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 7.774 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.09 min

Lab File: VU026531.D

Acq: 05 Sep 2018 09:30

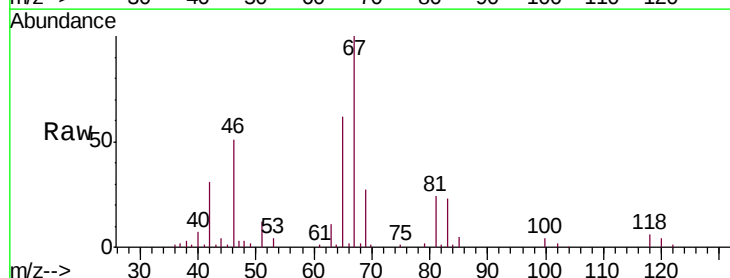
Tgt Ion: 83 Resp: 13315

Ion Ratio Lower Upper

83 100

55 0.0 63.3 94.9#

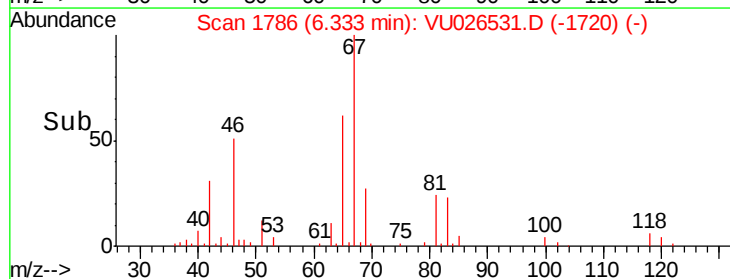
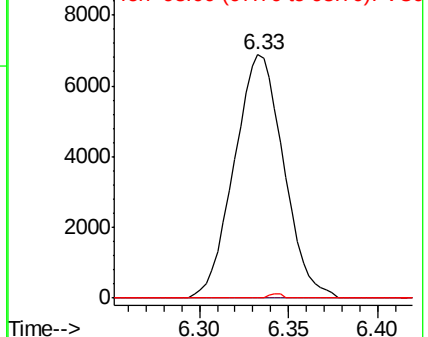
98 0.5 36.7 55.1#

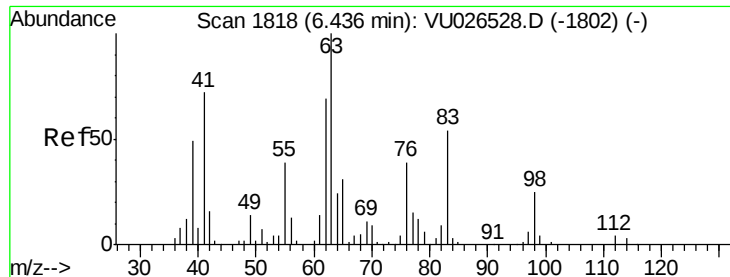


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

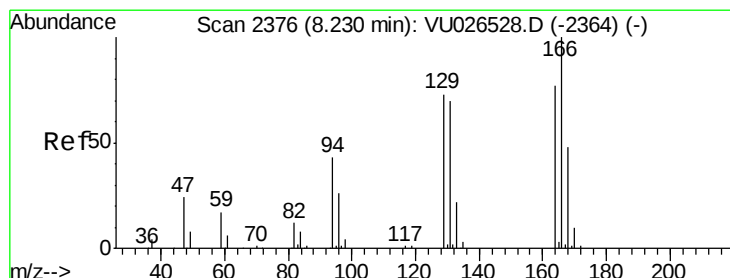
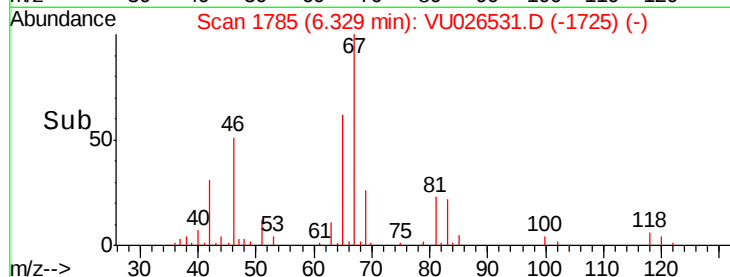
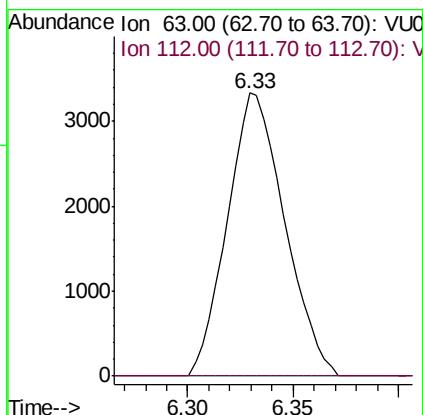
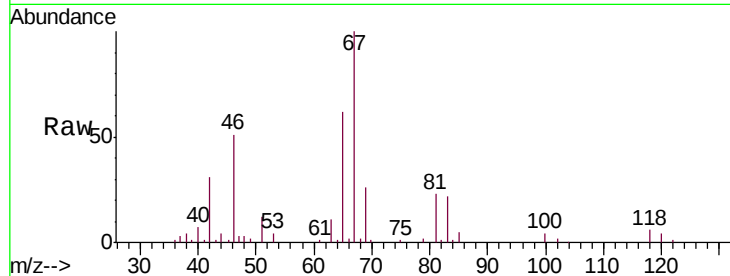




#37  
 1,2-Dichloropropane  
 Concen: 5.192 ug/L  
 RT: 6.33 min Scan# 1785  
 Delta R.T. -0.11 min  
 Lab File: VU026531.D  
 Acq: 05 Sep 2018 09:30

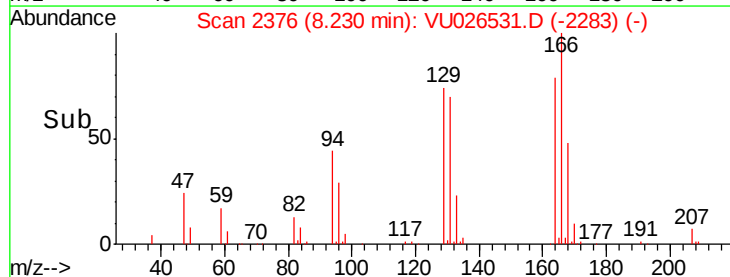
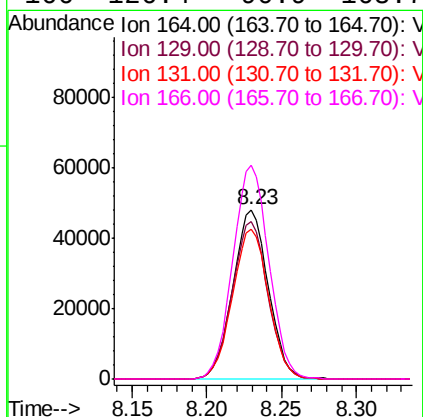
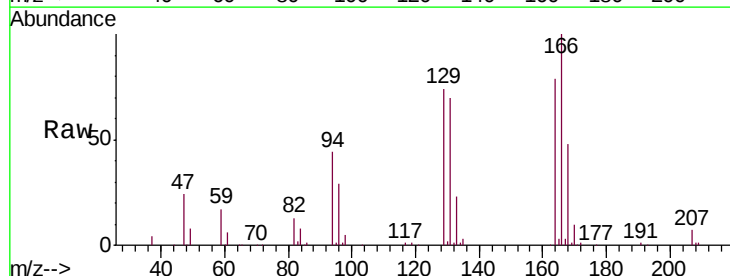
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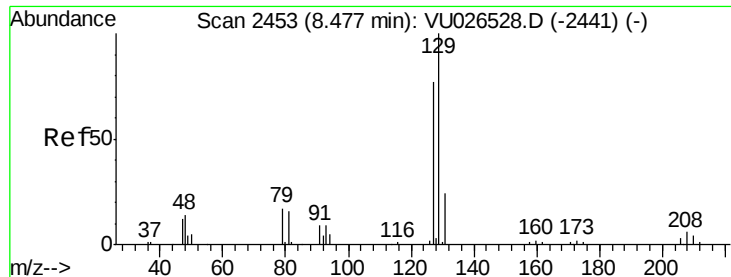
Tgt Ion: 63 Resp: 6286  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.0 4.6#



#46  
 Tetrachloroethene  
 Concen: 88.308 ug/L  
 RT: 8.23 min Scan# 2376  
 Delta R.T. 0.00 min  
 Lab File: VU026531.D  
 Acq: 05 Sep 2018 09:30

Tgt Ion: 164 Resp: 79195  
 Ion Ratio Lower Upper  
 164 100  
 129 93.0 67.3 125.1  
 131 88.5 65.3 121.3  
 166 126.4 90.9 168.7





#49

Dibromochloromethane

Concen: 59.451 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.25 min

Lab File: VU026531.D

Acq: 05 Sep 2018 09:30

Instrument :

MSVOA\_U

ClientSampleId :

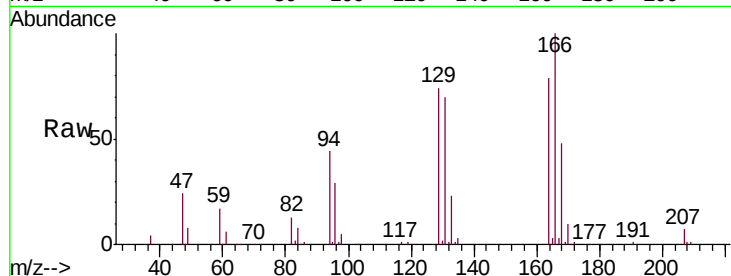
BEE30

Tgt Ion:129 Resp: 74293

Ion Ratio Lower Upper

129 100

127 0.0 55.0 102.2#

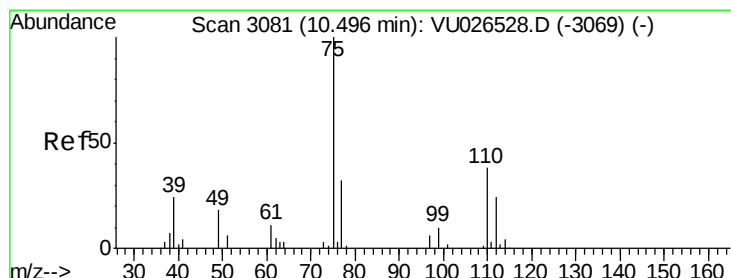
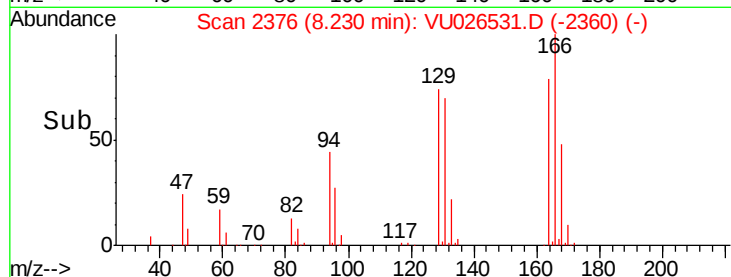


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.23

Time--> 8.15 8.20 8.25 8.30



#59

1,2,3-Trichloropropane

Concen: 4.808 ug/L

RT: 11.48 min Scan# 3388

Delta R.T. 0.99 min

Lab File: VU026531.D

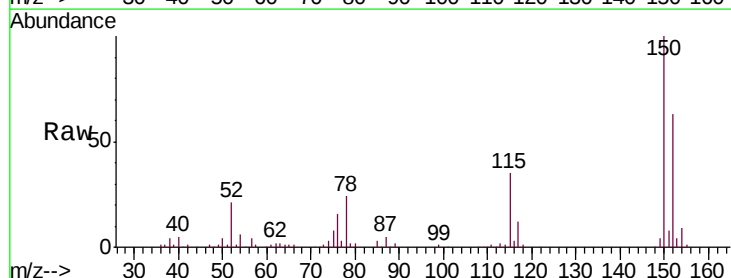
Acq: 05 Sep 2018 09:30

Tgt Ion: 75 Resp: 7263

Ion Ratio Lower Upper

75 100

77 38.2 25.0 37.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

Time--> 11.45 11.50

