

Data File : VU033288.D  
Acq On : 17 Jul 2019 14:04  
Operator : JC/SP  
Sample : VIBLK41  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VIBLK41

Quant Time: Jul 18 08:05:44 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR071619WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Jul 18 08:01:21 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 117113   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 122784   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 51862    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 44709    | 3.79     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 75.80% |
| 7) Chloroethane-d5             | 1.67   | 69    | 41110    | 4.18     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 83.60% |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 76016    | 3.33     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.60% |
| 20) 2-Butanone-d5              | 4.17   | 46    | 83629    | 37.63    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 75.26% |
| 24) Chloroform-d               | 4.62   | 84    | 64322    | 3.70     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 74.00% |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 44415    | 4.72     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.40% |
| 32) Benzene-d6                 | 5.32   | 84    | 148240   | 4.34     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.80% |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 50258    | 4.62     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 92.40% |
| 41) Toluene-d8                 | 7.55   | 98    | 129042   | 3.99     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.80% |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 18114    | 4.16     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.20% |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 72216    | 40.32    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 80.64% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.42  | 84    | 42183    | 4.67     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 50075    | 4.96     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.20% |

#### Target Compounds

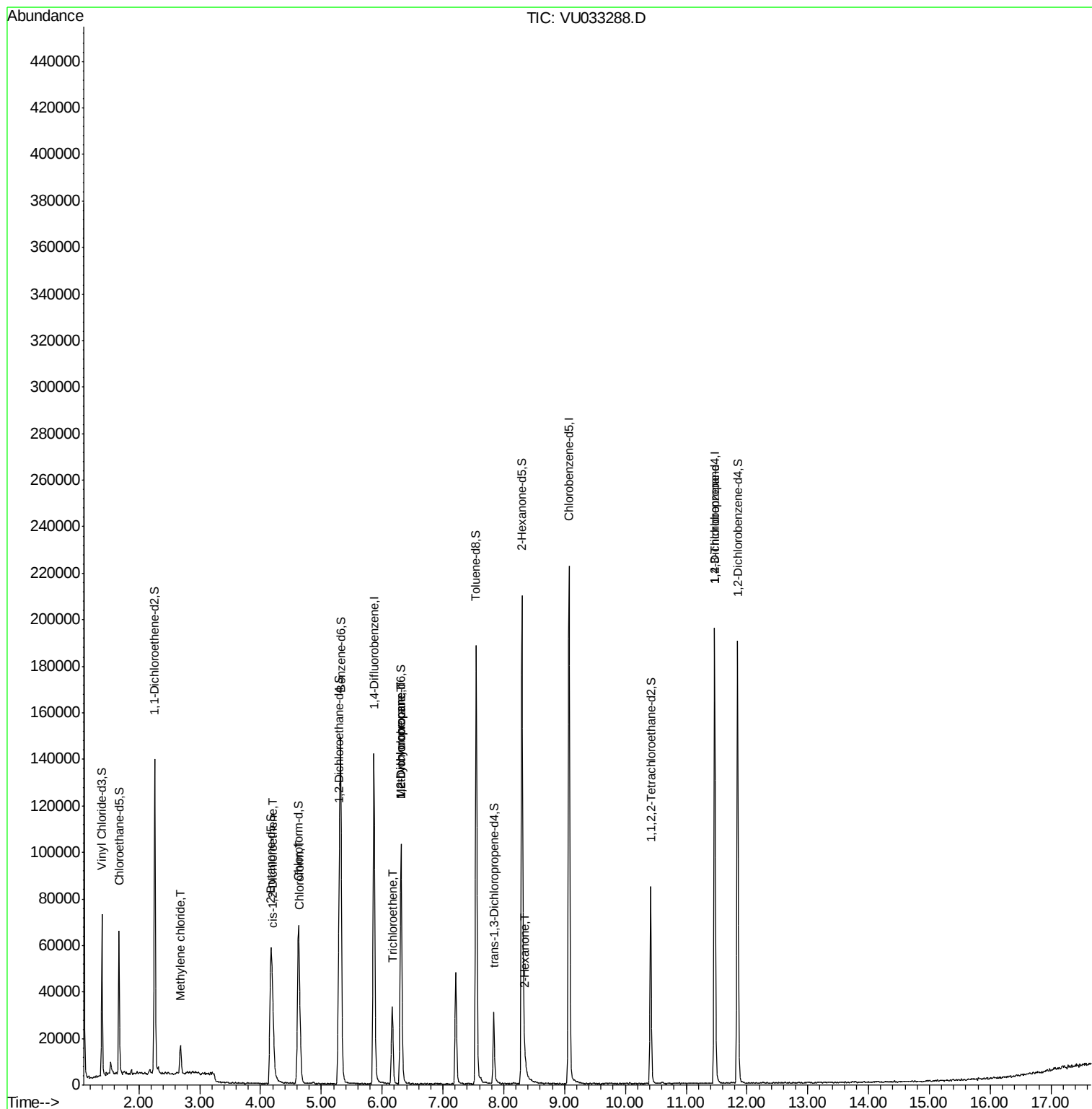
|                            |       |    |       |              | Qvalue |
|----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride     | 2.68  | 84 | 4922  | 0.420 ug/L   | 93     |
| 22) cis-1,2-Dichloroethene | 4.20  | 96 | 11627 | 1.294 ug/L   | 100    |
| 25) Chloroform             | 4.65  | 83 | 16903 | 0.956 ug/L   | 92     |
| 34) Trichloroethene        | 6.16  | 95 | 11900 | 1.293 ug/L   | 99     |
| 35) Methylcyclohexane      | 6.31  | 83 | 11544 | 0.833 ug/L # | 18     |
| 37) 1,2-Dichloropropane    | 6.31  | 63 | 5524  | 0.587 ug/L # | 89     |
| 48) 2-Hexanone             | 8.35  | 43 | 3839  | 0.974 ug/L # | 73     |
| 59) 1,2,3-Trichloropropane | 11.47 | 75 | 6804  | 1.110 ug/L   | 93     |

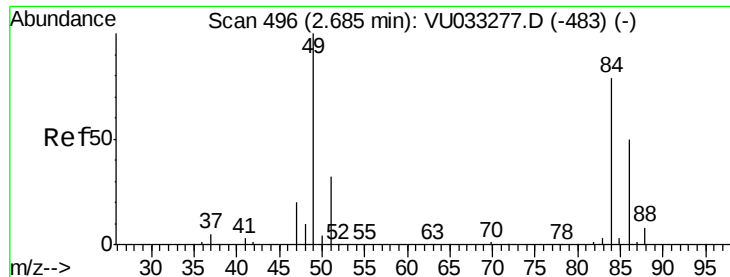
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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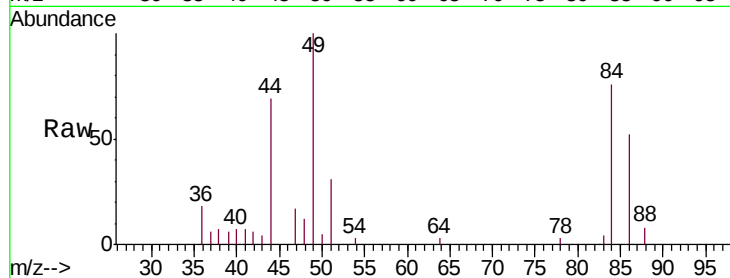




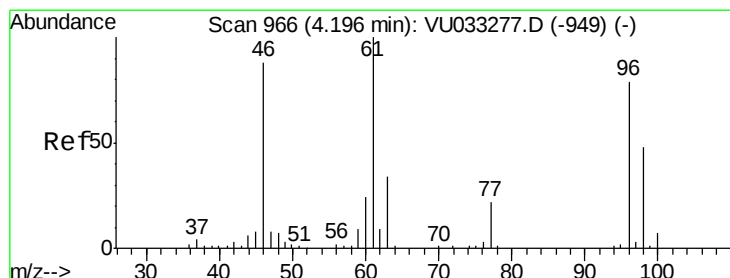
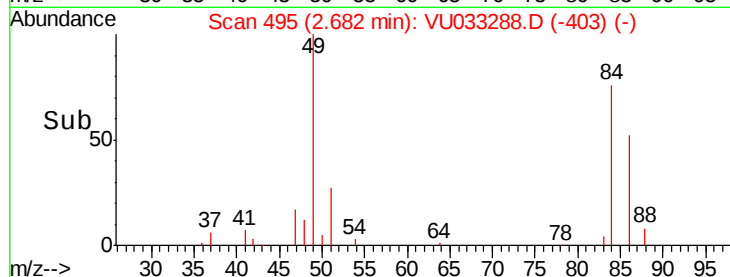
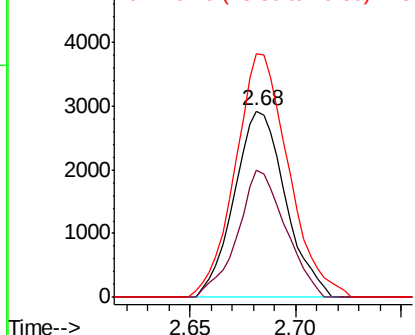
#16  
Methylene chloride  
Concen: 0.420 ug/L  
RT: 2.68 min Scan# 495  
Delta R.T. -0.00 min  
Lab File: VU033288.D  
Acq: 17 Jul 2019 14:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
VIBLK41

Tgt Ion: 84 Resp: 4922  
Ion Ratio Lower Upper  
84 100  
86 68.6 42.5 78.9  
49 130.8 86.9 161.3

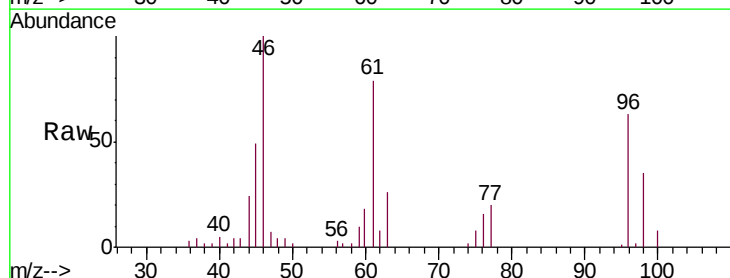


Abundance Ion 84.05 (83.75 to 84.75): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.10 (48.80 to 49.80): VU0

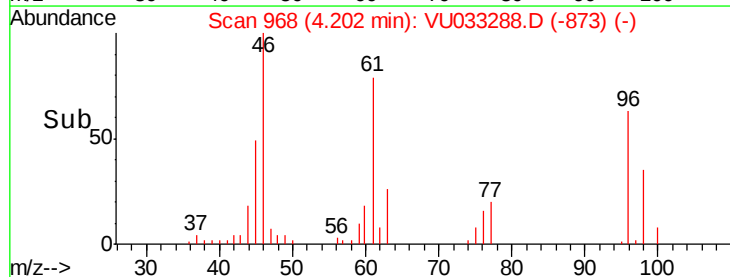
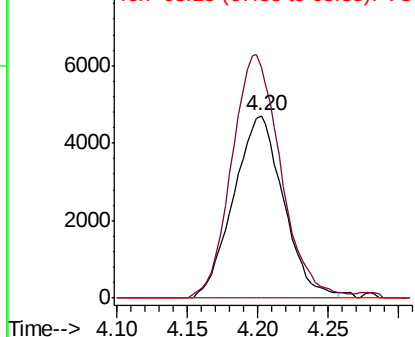


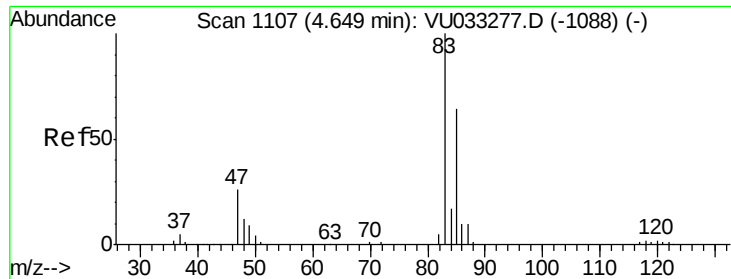
#22  
cis-1,2-Dichloroethene  
Concen: 1.294 ug/L  
RT: 4.20 min Scan# 968  
Delta R.T. 0.01 min  
Lab File: VU033288.D  
Acq: 17 Jul 2019 14:04

Tgt Ion: 96 Resp: 11627  
Ion Ratio Lower Upper  
96 100  
61 126.8 89.2 165.6  
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0  
Ion 61.05 (60.75 to 61.75): VU0  
Ion 68.15 (67.85 to 68.85): VU0

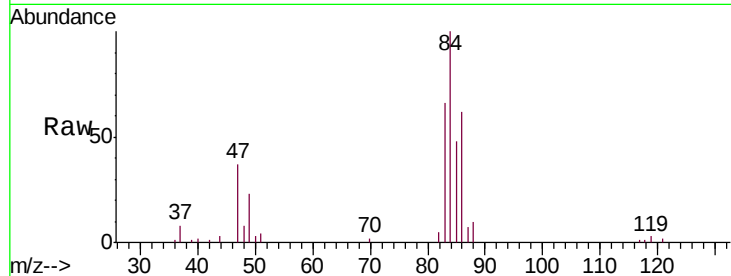




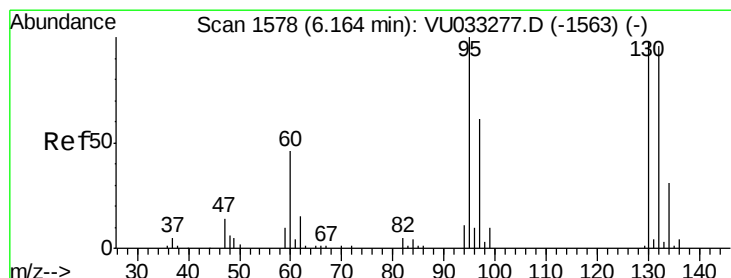
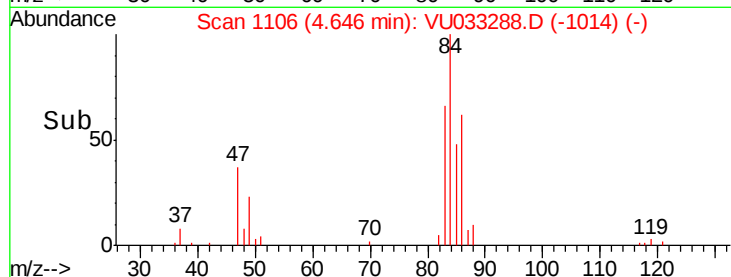
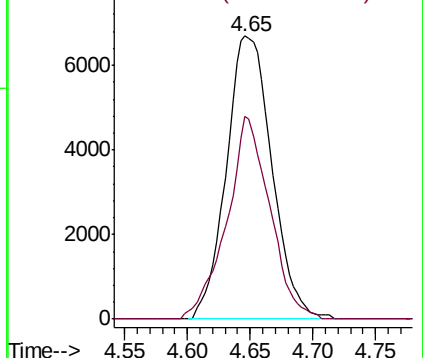
#25  
Chloroform  
Concen: 0.956 ug/L  
RT: 4.65 min Scan# 1106  
Delta R.T. -0.00 min  
Lab File: VU033288.D  
Acq: 17 Jul 2019 14:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
VIBLK41

Tgt Ion: 83 Resp: 16903  
Ion Ratio Lower Upper  
83 100  
85 71.5 45.4 84.4

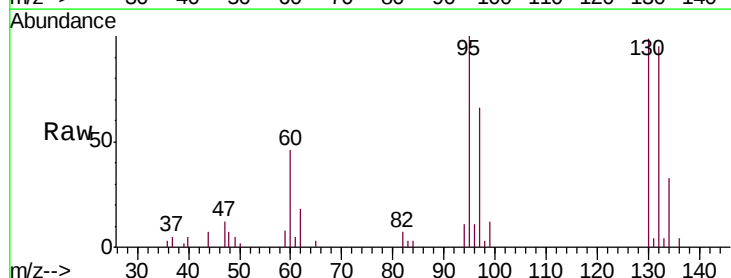


Abundance Ion 83.05 (82.75 to 83.75): VU033277.D (-1088) (-)  
Ion 85.00 (84.70 to 85.70): VU033277.D (-1088) (-)

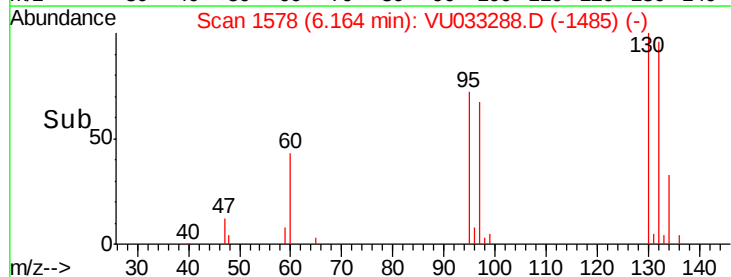
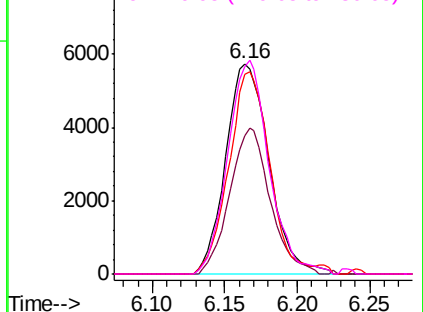


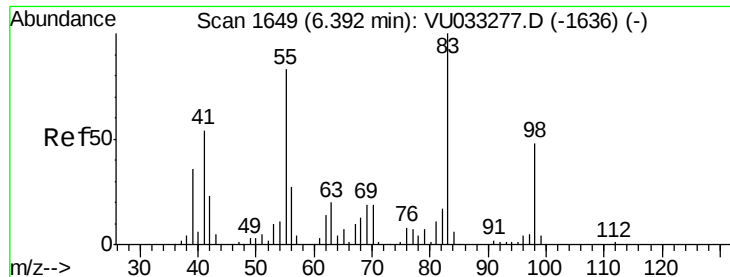
#34  
Trichloroethene  
Concen: 1.293 ug/L  
RT: 6.16 min Scan# 1578  
Delta R.T. -0.00 min  
Lab File: VU033288.D  
Acq: 17 Jul 2019 14:04

Tgt Ion: 95 Resp: 11900  
Ion Ratio Lower Upper  
95 100  
97 65.8 44.5 82.7  
132 95.0 66.6 123.8  
130 98.6 68.9 127.9



Abundance Ion 95.00 (94.70 to 95.70): VU033277.D (-1563) (-)  
Ion 96.95 (96.65 to 97.65): VU033277.D (-1563) (-)  
Ion 131.95 (131.65 to 132.65): VU033277.D (-1563) (-)  
Ion 129.95 (129.65 to 130.65): VU033277.D (-1563) (-)



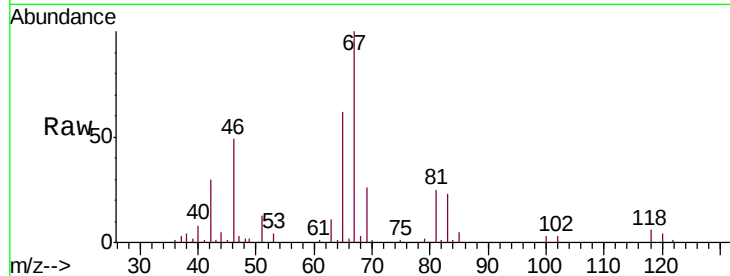


#35  
Methylcyclohexane  
Concen: 0.833 ug/L  
RT: 6.31 min Scan# 1623  
Delta R.T. -0.08 min  
Lab File: VU033288.D  
Acq: 17 Jul 2019 14:04

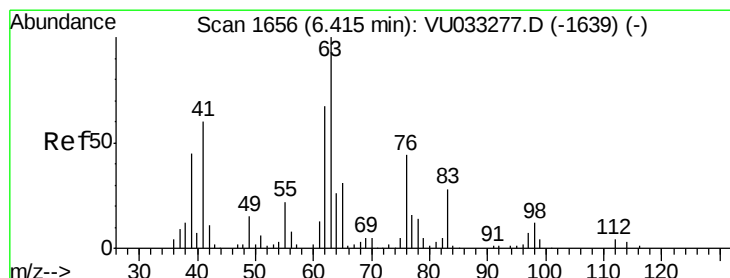
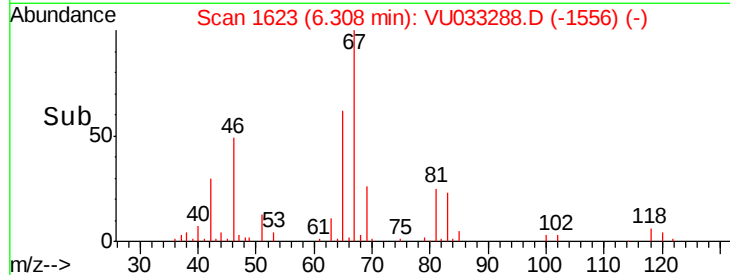
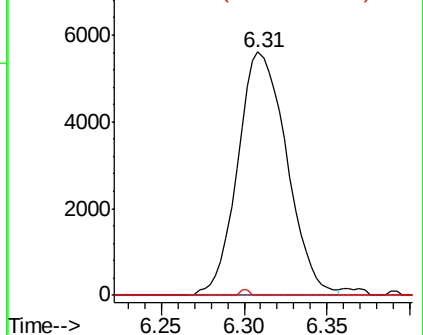
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MSVOA\_U  
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VIBLK41

Tgt Ion: 83 Resp: 11544  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.0   | 62.6  | 94.0# |
| 98  | 0.4   | 36.2  | 54.2# |



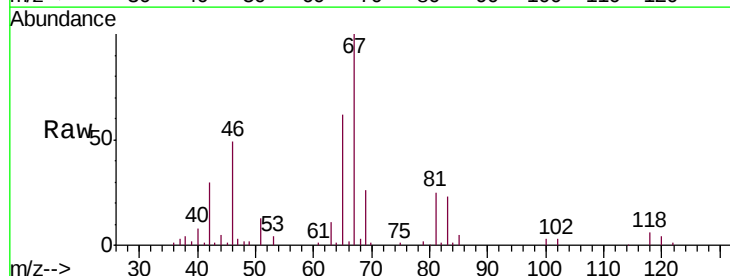
Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0



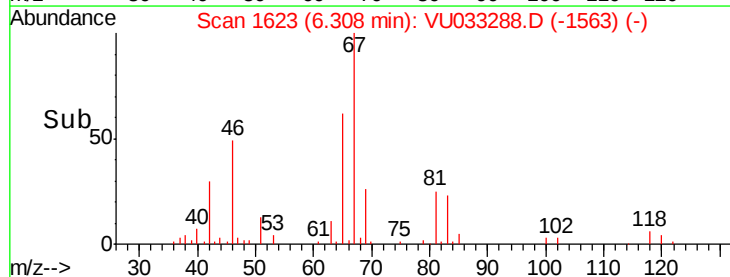
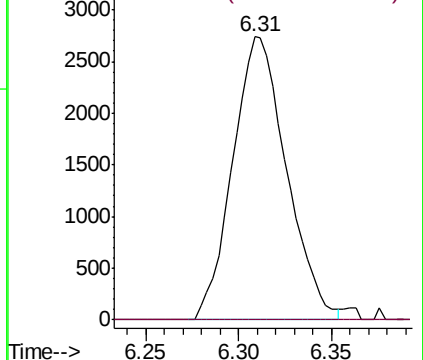
#37  
1,2-Dichloropropane  
Concen: 0.587 ug/L  
RT: 6.31 min Scan# 1623  
Delta R.T. -0.11 min  
Lab File: VU033288.D  
Acq: 17 Jul 2019 14:04

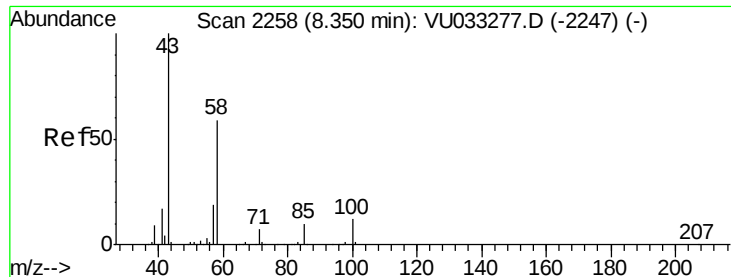
Tgt Ion: 63 Resp: 5524  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 112 | 0.4   | 3.1   | 4.7#  |



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V

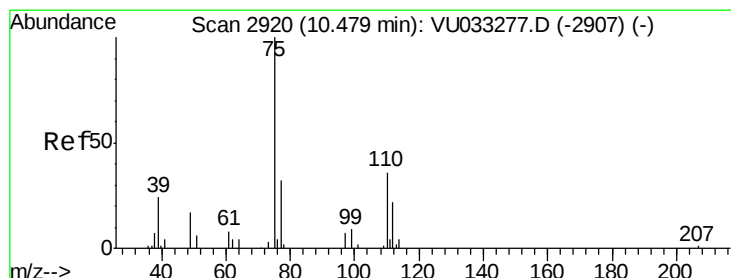
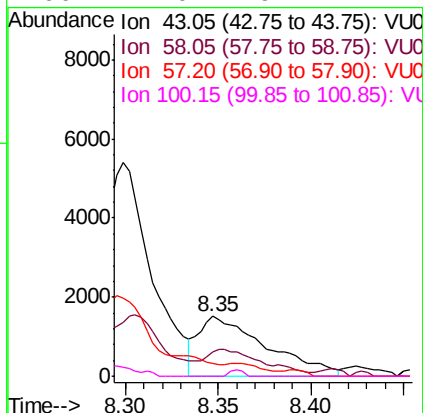
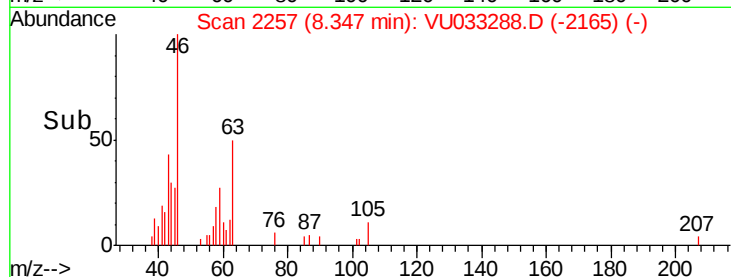
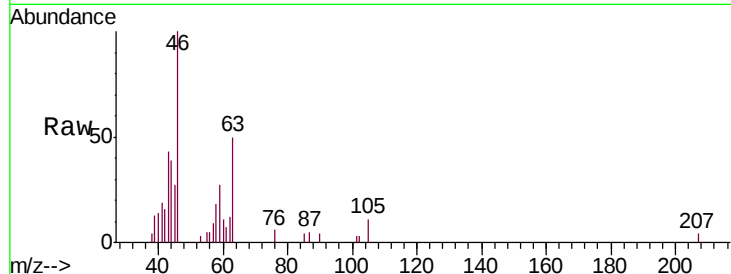




#48  
2-Hexanone  
Concen: 0.974 ug/L  
RT: 8.35 min Scan# 2257  
Delta R.T. -0.00 min  
Lab File: VU033288.D  
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MSVOA\_U  
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Tgt Ion: 43 Resp: 3839  
Ion Ratio Lower Upper  
43 100  
58 39.1 44.1 66.1#  
57 0.0 15.8 23.8#  
100 2.0 9.4 14.2#



#59  
1,2,3-Trichloropropane  
Concen: 1.110 ug/L  
RT: 11.47 min Scan# 3227  
Delta R.T. 0.99 min  
Lab File: VU033288.D  
Acq: 17 Jul 2019 14:04

Tgt Ion: 75 Resp: 6804  
Ion Ratio Lower Upper  
75 100  
77 37.0 26.5 39.7

