

Data File : VU026505.D
 Acq On : 31 Aug 2018 17:22
 Operator : MD/SY
 Sample : J4691-08 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 BEE05

Quant Time: Sep 01 01:05:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 01 01:02:22 2018
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene | 5.89 | 114 | 156728 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 147719 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 64276 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 37481 | 38.60 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 60 - 135 | Recovery | = | 77.20% |
| 7) Chloroethane-d5 | 1.68 | 69 | 36151 | 41.22 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 82.44% |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 55227 | 25.25 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 60 - 125 | Recovery | = | 50.50%# |
| 21) 2-Butanone-d5 | 4.18 | 46 | 73689 | 97.77 | ug/L | 0.00 |
| Spiked Amount | 100.000 | Range | 40 - 130 | Recovery | = | 97.77% |
| 24) Chloroform-d | 4.65 | 84 | 80621 | 43.96 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 125 | Recovery | = | 87.92% |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 54920 | 44.98 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 125 | Recovery | = | 89.96% |
| 32) Benzene-d6 | 5.34 | 84 | 156201 | 45.88 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 125 | Recovery | = | 91.76% |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 55917 | 47.81 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 120 | Recovery | = | 95.62% |
| 41) Toluene-d8 | 7.57 | 98 | 140956 | 42.89 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 80 - 120 | Recovery | = | 85.78% |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 23734 | 44.44 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 60 - 125 | Recovery | = | 88.88% |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 54190 | 101.02 | ug/L | 0.00 |
| Spiked Amount | 100.000 | Range | 45 - 130 | Recovery | = | 101.02% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 81260 | 47.16 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 65 - 120 | Recovery | = | 94.32% |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 58473 | 50.14 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 80 - 120 | Recovery | = | 100.28% |

Target Compounds

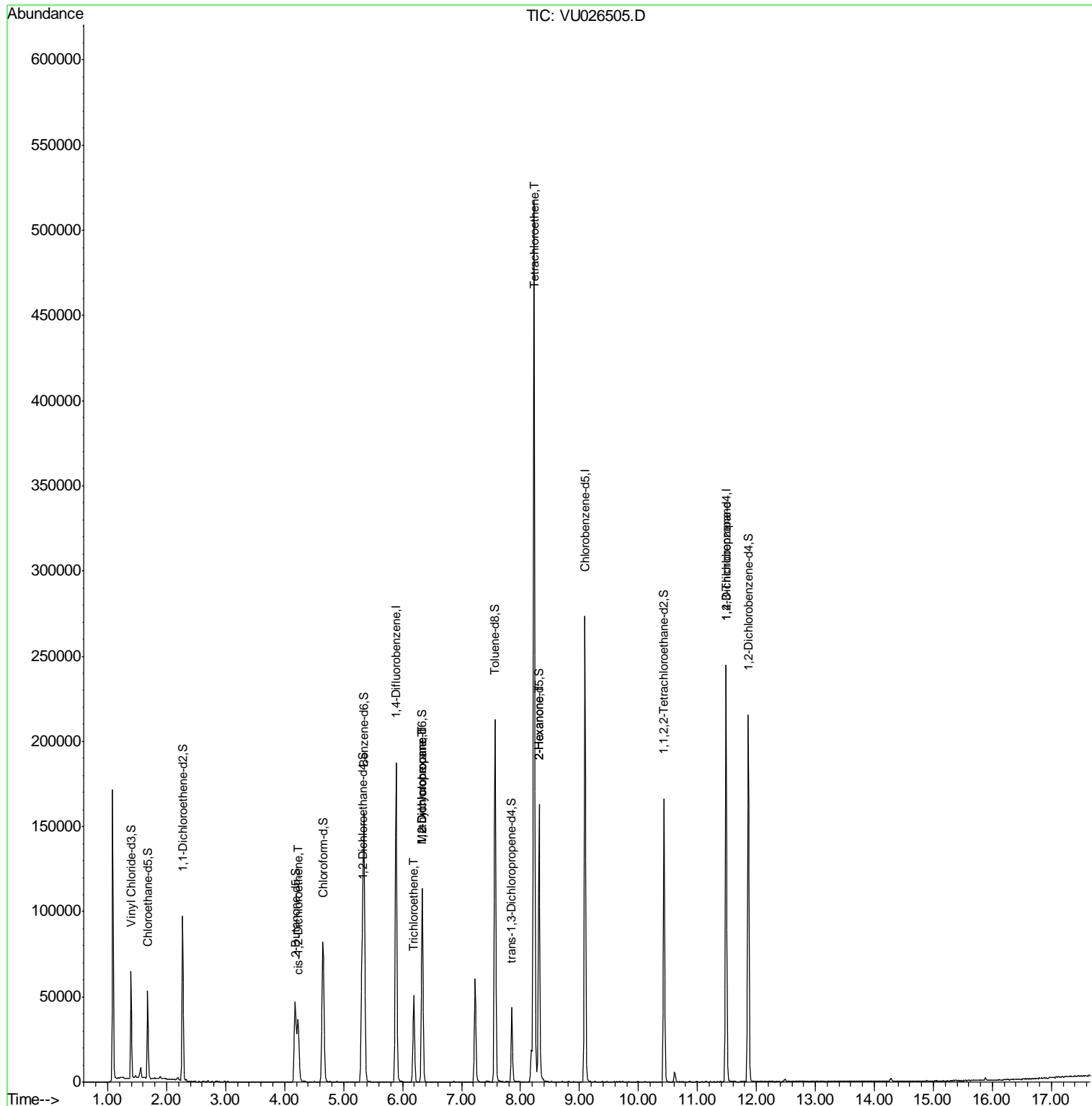
| | | | | | | Qvalue |
|----------------------------|-------|-----|--------|---------|--------|--------|
| 20) cis-1,2-Dichloroethene | 4.23 | 96 | 18315 | 16.157 | ug/L | 97 |
| 34) Trichloroethene | 6.19 | 95 | 17441 | 16.419 | ug/L | 97 |
| 35) Methylcyclohexane | 6.33 | 83 | 12196 | 7.353 | ug/L # | 18 |
| 37) 1,2-Dichloropropane | 6.33 | 63 | 6054 | 5.164 | ug/L # | 88 |
| 46) Tetrachloroethene | 8.23 | 164 | 113776 | 131.007 | ug/L | 97 |
| 48) 2-Hexanone | 8.31 | 43 | 6237 | 5.009 | ug/L # | 67 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 7480 | 5.113 | ug/L | 92 |

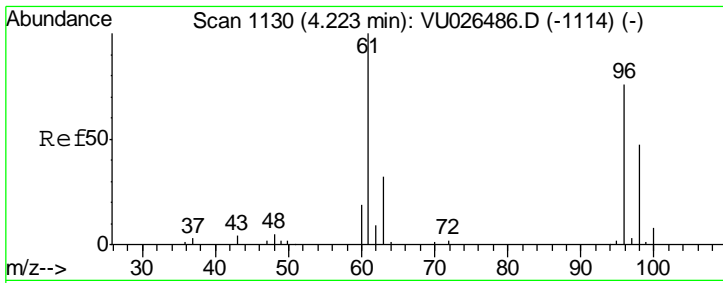
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Sep 01 01:02:22 2018
Response via : Initial Calibration

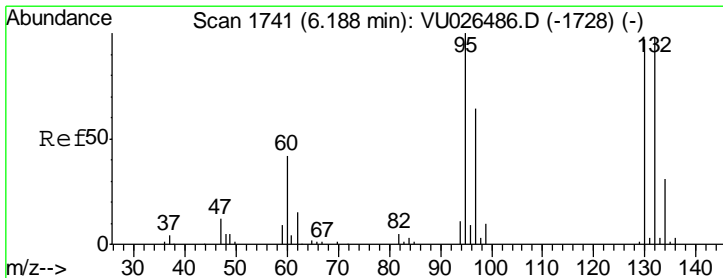
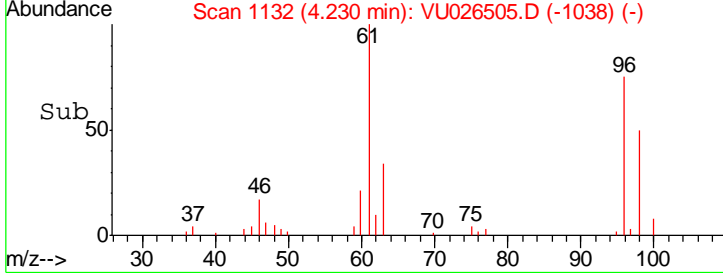
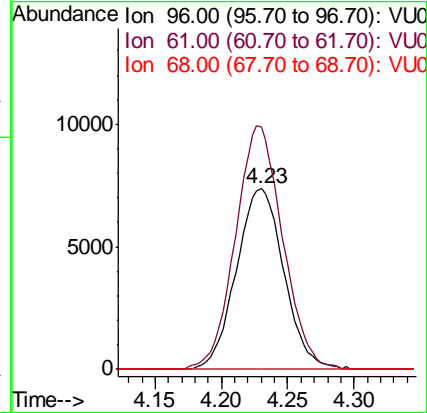
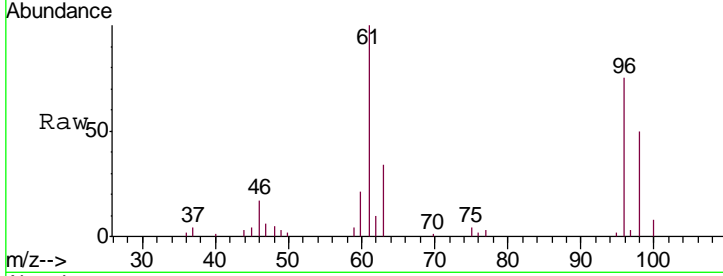




#20
 cis-1,2-Dichloroethene
 Concen: 16.157 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026505.D
 Acq: 31 Aug 2018 17:22

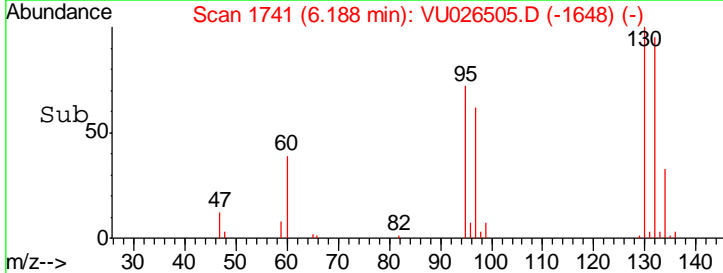
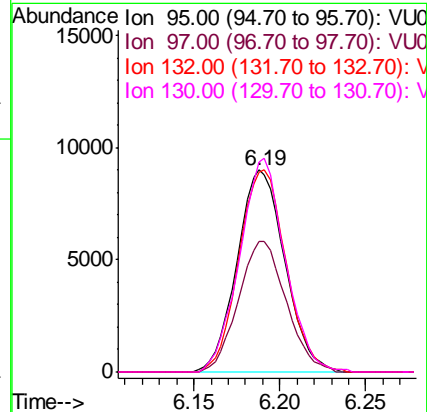
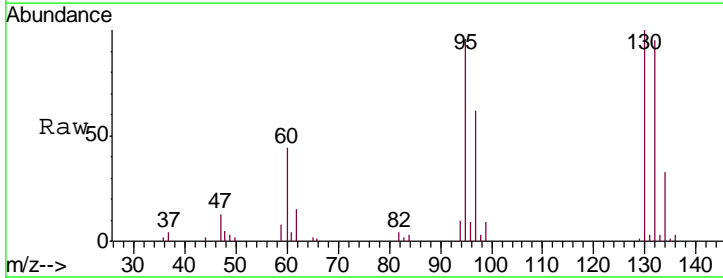
Instrument :
 MSVOA_U
 ClientSampled :
 BEE05

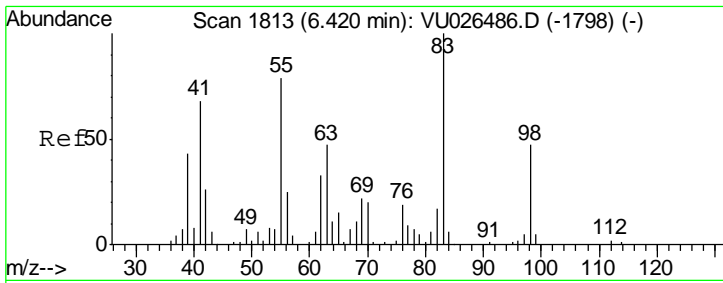
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 18315 | | |
| 96 | 100 | | |
| 61 | 134.1 | 91.6 | 170.2 |
| 68 | 0.0 | 0.0 | 0.0 |



#34
 Trichloroethene
 Concen: 16.419 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026505.D
 Acq: 31 Aug 2018 17:22

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 17441 | | |
| 95 | 100 | | |
| 97 | 64.5 | 45.1 | 83.7 |
| 132 | 99.0 | 67.5 | 125.3 |
| 130 | 103.7 | 69.3 | 128.7 |

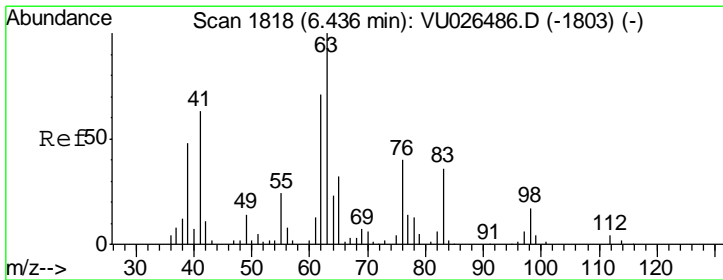
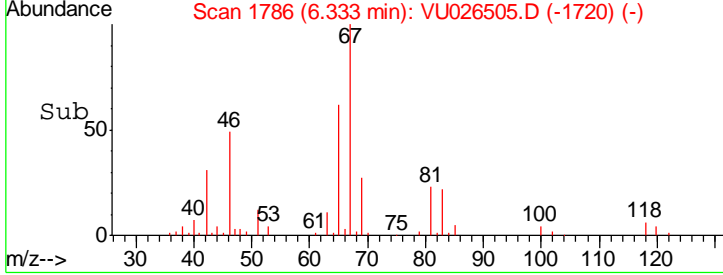
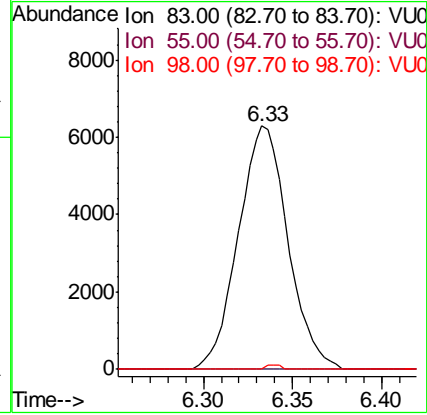
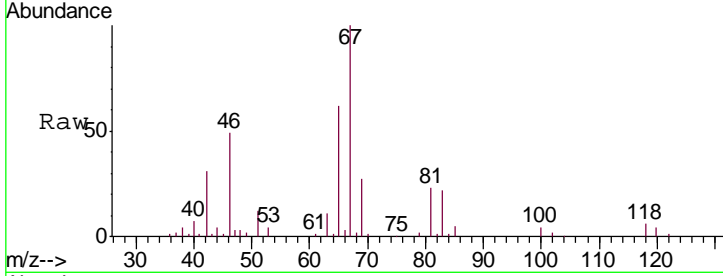




#35
 Methylcyclohexane
 Concen: 7.353 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.09 min
 Lab File: VU026505.D
 Acq: 31 Aug 2018 17:22

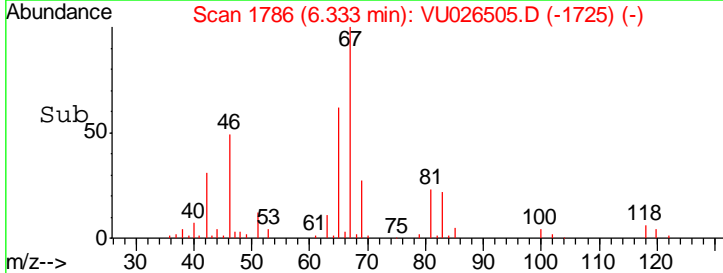
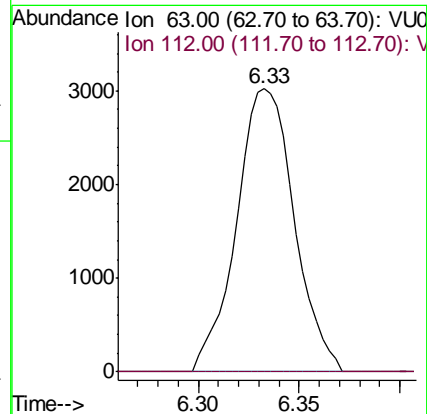
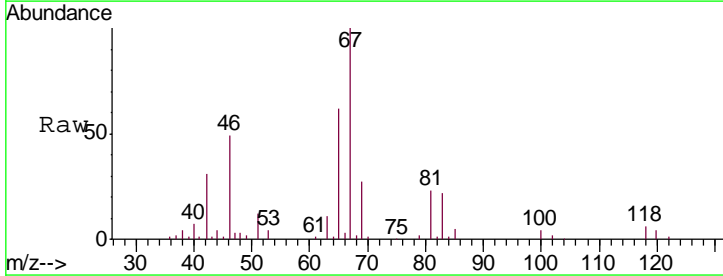
Instrument : MSVOA_U
 ClientSampled : BEE05

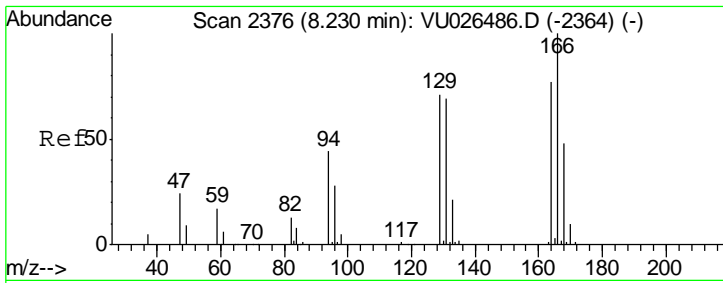
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 83 | 12196 | | |
| 55 | 0.0 | 63.3 | 94.9# |
| 98 | 0.5 | 36.7 | 55.1# |



#37
 1,2-Dichloropropane
 Concen: 5.164 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.10 min
 Lab File: VU026505.D
 Acq: 31 Aug 2018 17:22

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 63 | 6054 | | |
| 112 | 0.0 | 3.0 | 4.6# |

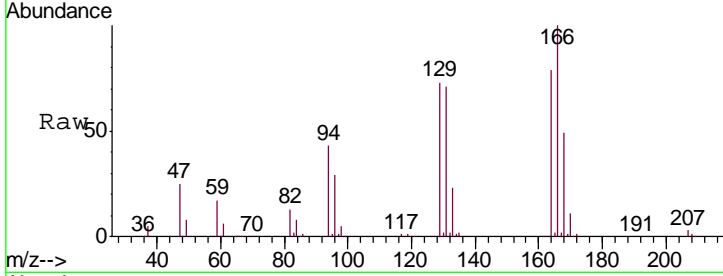




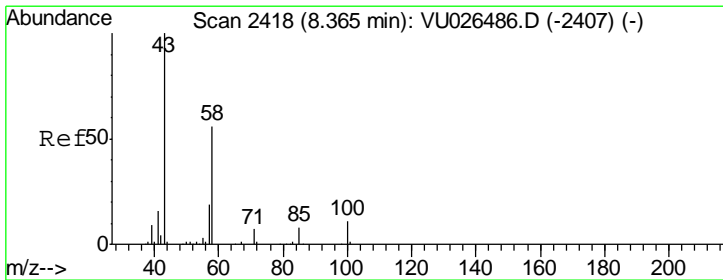
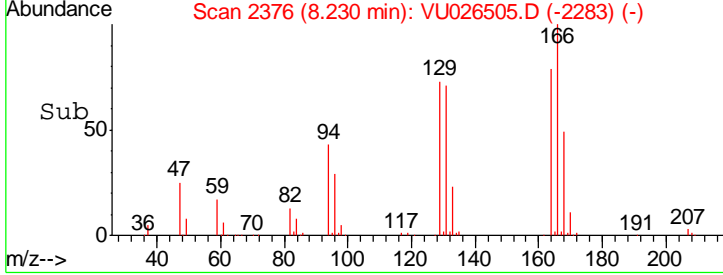
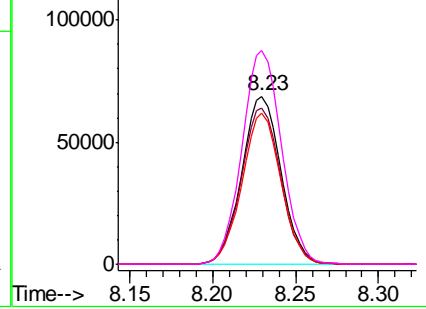
#46
 Tetrachloroethene
 Concen: 131.007 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026505.D
 Acq: 31 Aug 2018 17:22

Instrument : MSVOA_U
 ClientSampled : BEE05

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 164 | 100 | | |
| 129 | 93.3 | 67.3 | 125.1 |
| 131 | 90.2 | 65.3 | 121.3 |
| 166 | 127.3 | 90.9 | 168.7 |

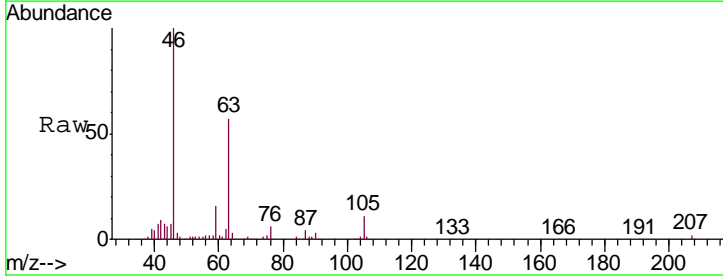


Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

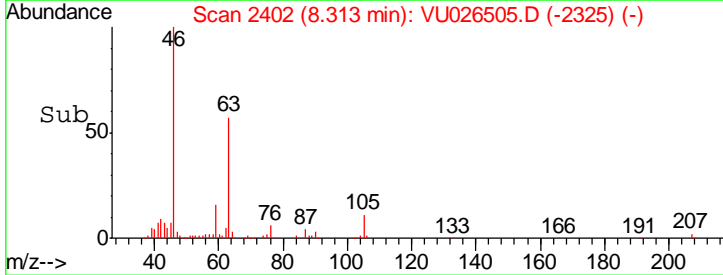
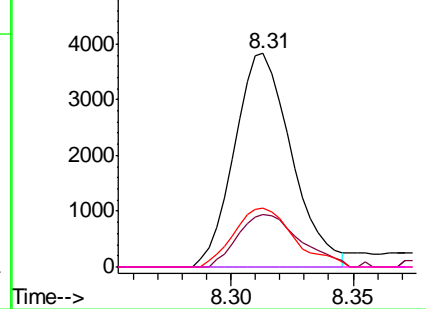


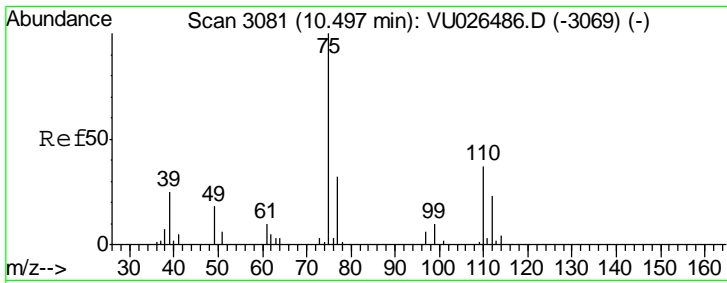
#48
 2-Hexanone
 Concen: 5.009 ug/L
 RT: 8.31 min Scan# 2402
 Delta R.T. -0.05 min
 Lab File: VU026505.D
 Acq: 31 Aug 2018 17:22

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 26.9 | 42.2 | 63.4# |
| 57 | 29.0 | 14.6 | 21.8# |
| 100 | 0.0 | 8.3 | 12.5# |



Abundance Ion 43.00 (42.70 to 43.70): VU
 Ion 58.00 (57.70 to 58.70): VU
 Ion 57.00 (56.70 to 57.70): VU
 Ion 100.00 (99.70 to 100.70): VU





#59
 1,2,3-Trichloropropane
 Concen: 5.113 ug/L
 RT: 11.48 min Scan# 3388
 Delta R.T. 0.99 min
 Lab File: VU026505.D
 Acq: 31 Aug 2018 17:22

Instrument :
 MSVOA_U
 ClientSampleId :
 BEE05

Tgt Ion: 75 Resp: 7480
 Ion Ratio Lower Upper
 75 100
 77 35.9 25.0 37.6

