

Data File : VV008128.D  
Acq On : 06 Oct 2018 05:05  
Operator : SY/MD  
Sample : J5277-05  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BEYC2

Quant Time: Oct 06 06:46:47 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR100518WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Oct 06 04:00:29 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 94904    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 93545    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 42739    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 24732    | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 85.00%  |
| 7) Chloroethane-d5             | 1.59   | 69    | 22626    | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 37498    | 3.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.80%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 70276    | 50.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 100.28% |
| 24) Chloroform-d               | 4.41   | 84    | 54647    | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 27844    | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.60%  |
| 32) Benzene-d6                 | 5.10   | 84    | 103141   | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 33970    | 4.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 89.60%  |
| 41) Toluene-d8                 | 7.36   | 98    | 91367    | 3.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 78.60%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 10606    | 4.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 80.40%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 47040    | 44.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 89.44%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 23482    | 4.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 88.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 37835    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 93.20%  |

#### Target Compounds

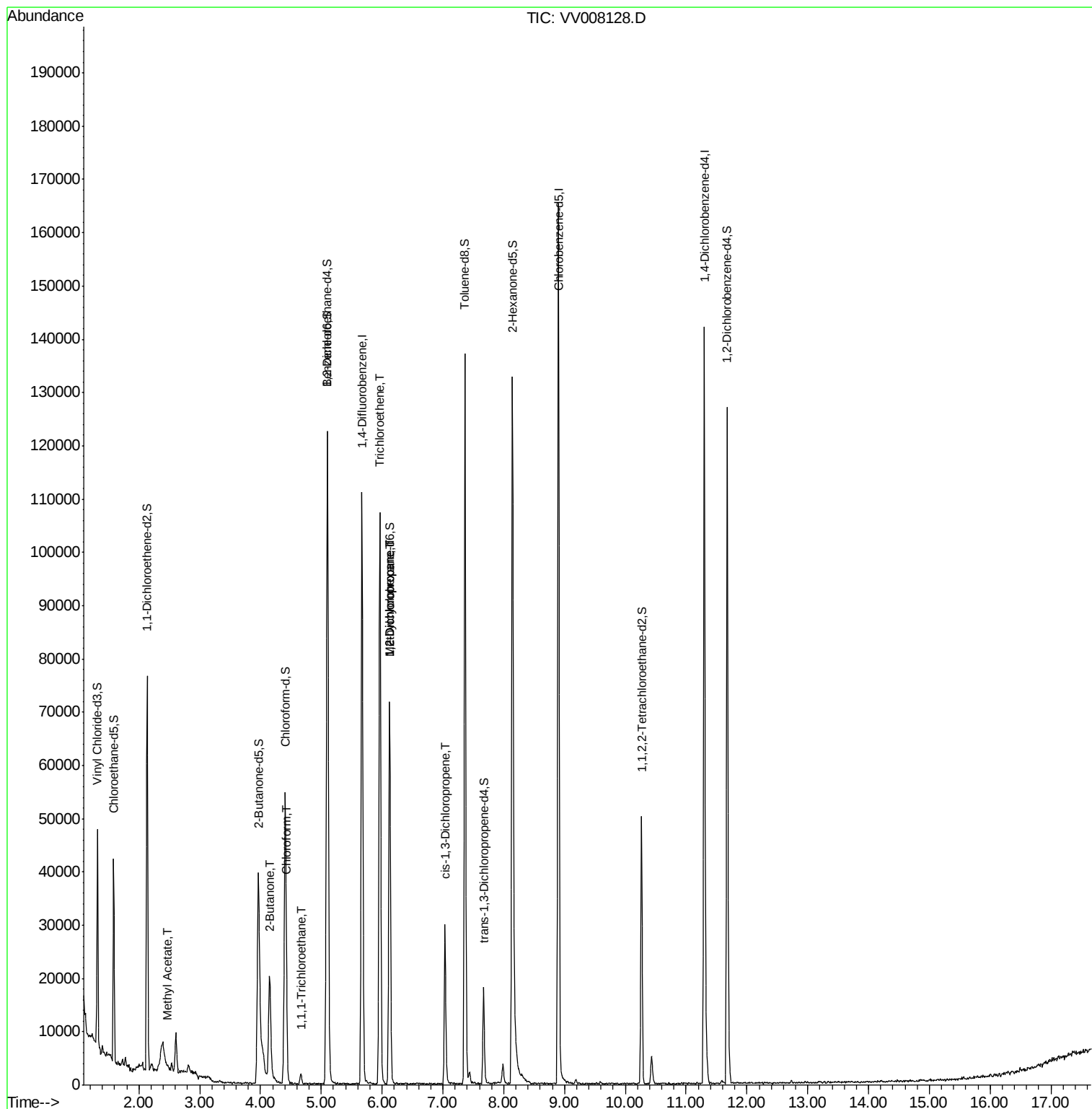
|                             |      |    |       |        | Qvalue |    |
|-----------------------------|------|----|-------|--------|--------|----|
| 15) Methyl Acetate          | 2.47 | 43 | 619   | 0.275  | ug/L # | 60 |
| 21) 2-Butanone              | 4.15 | 43 | 30344 | 19.808 | ug/L # | 49 |
| 25) Chloroform              | 4.43 | 83 | 1066  | 0.093  | ug/L   | 89 |
| 29) 1,1,1-Trichloroethane   | 4.66 | 97 | 1733  | 0.167  | ug/L # | 79 |
| 34) Trichloroethene         | 5.96 | 95 | 36648 | 5.321  | ug/L   | 98 |
| 35) Methylcyclohexane       | 6.13 | 83 | 8246  | 0.857  | ug/L # | 23 |
| 37) 1,2-Dichloropropane     | 6.13 | 63 | 3477  | 0.546  | ug/L # | 87 |
| 39) cis-1,3-Dichloropropene | 7.04 | 75 | 768   | 0.094  | ug/L   | 99 |

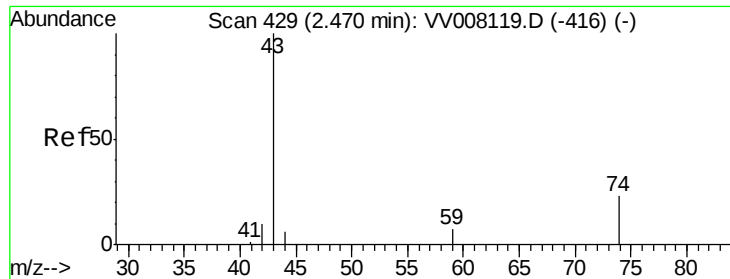
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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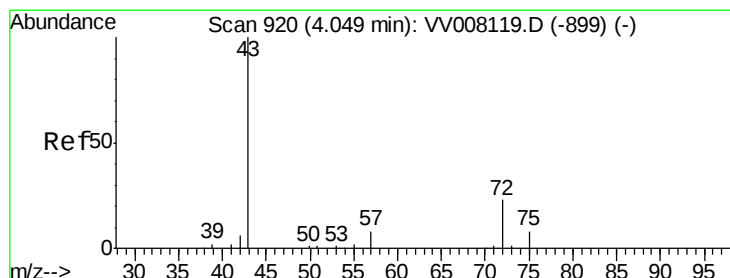
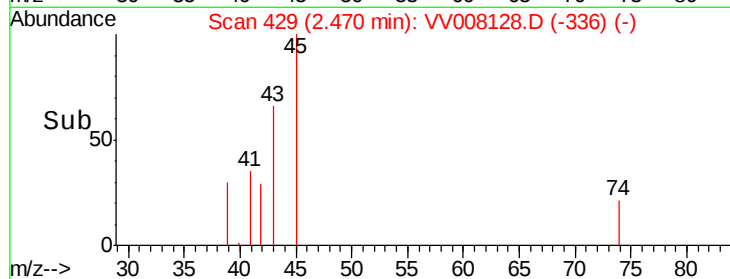
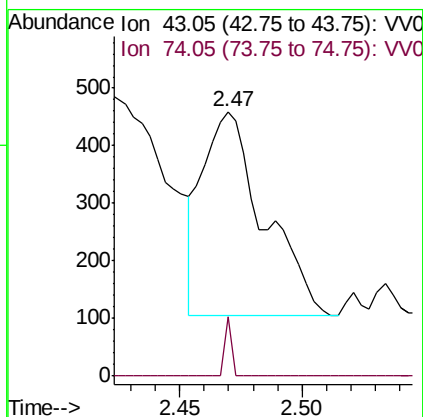
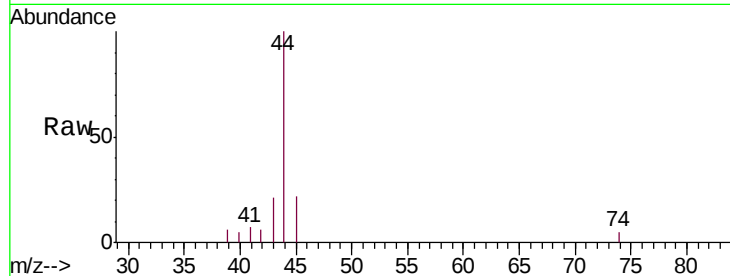




#15  
Methyl Acetate  
Concen: 0.275 ug/L  
RT: 2.47 min Scan# 429  
Delta R.T. -0.00 min  
Lab File: VV008128.D  
Acq: 06 Oct 2018 05:05

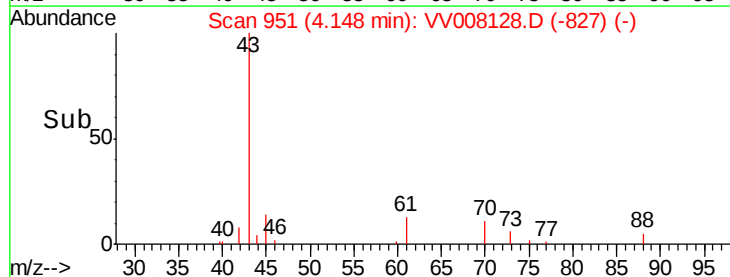
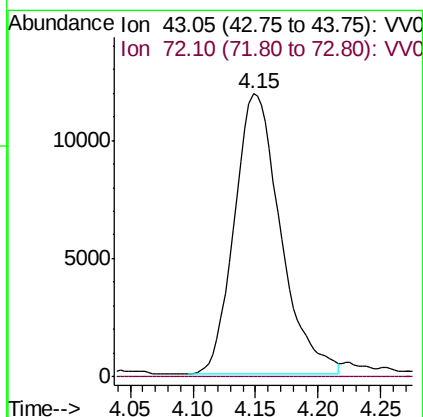
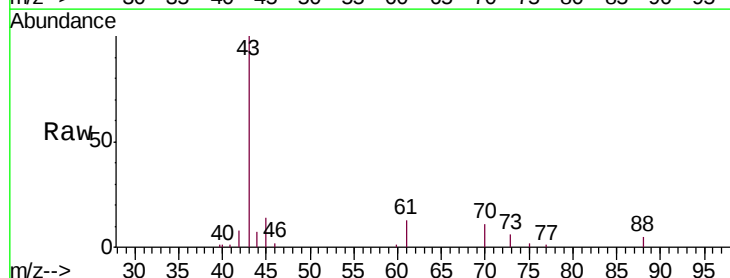
Instrument :  
MSVOA\_V  
ClientSampled :  
BEYC2

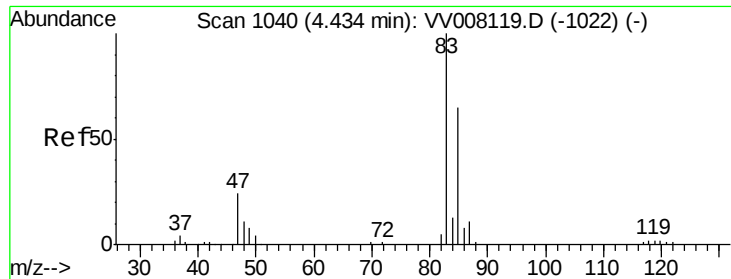
Tgt Ion: 43 Resp: 619  
Ion Ratio Lower Upper  
43 100  
74 3.2 18.1 27.1#



#21  
2-Butanone  
Concen: 19.808 ug/L  
RT: 4.15 min Scan# 951  
Delta R.T. 0.10 min  
Lab File: VV008128.D  
Acq: 06 Oct 2018 05:05

Tgt Ion: 43 Resp: 30344  
Ion Ratio Lower Upper  
43 100  
72 0.0 12.9 38.6#

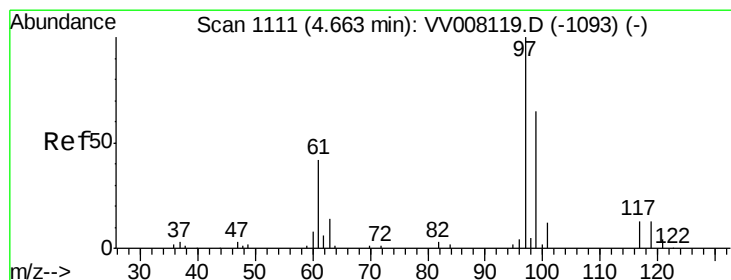
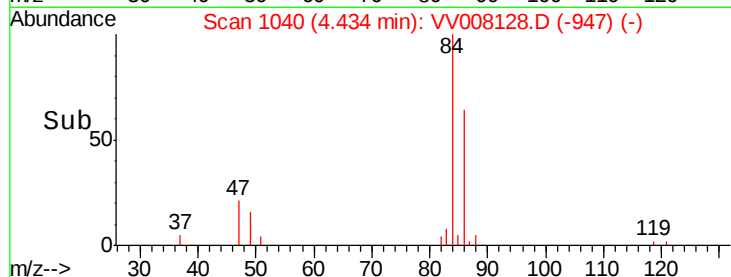
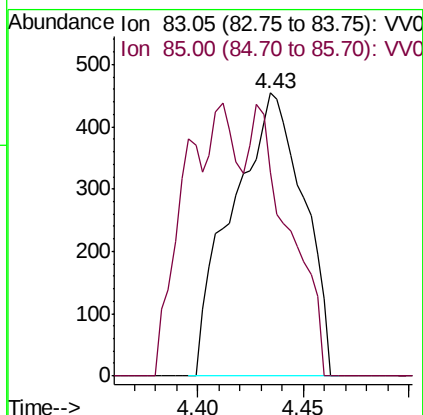
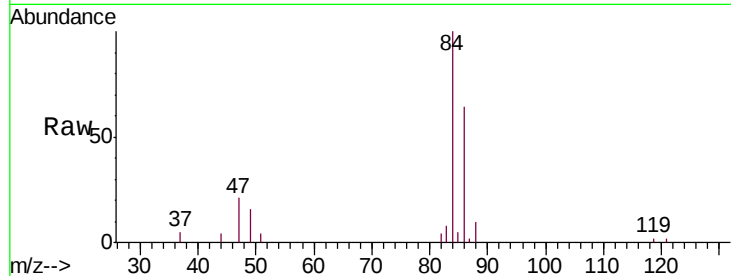




#25  
Chloroform  
Concen: 0.093 ug/L  
RT: 4.43 min Scan# 1040  
Delta R.T. -0.00 min  
Lab File: VV008128.D  
Acq: 06 Oct 2018 05:05

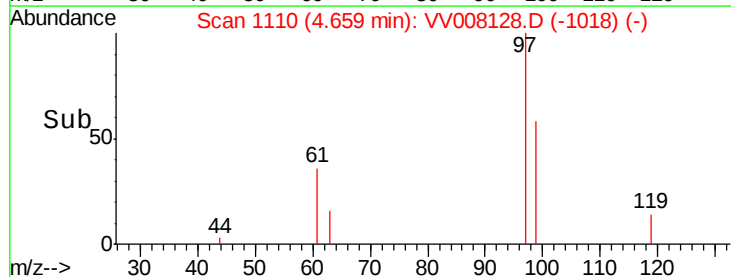
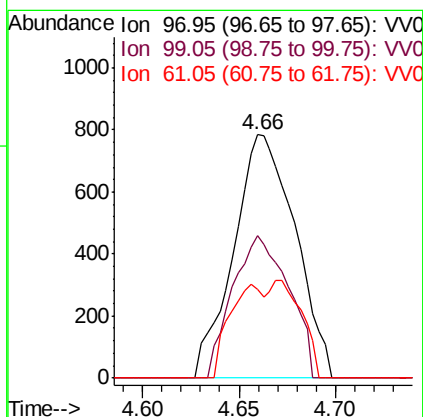
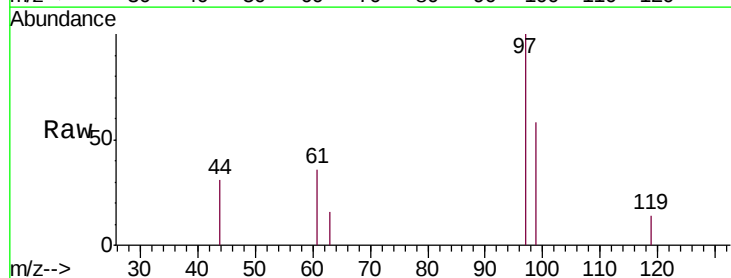
Instrument :  
MSVOA\_V  
ClientSampled :  
BEYC2

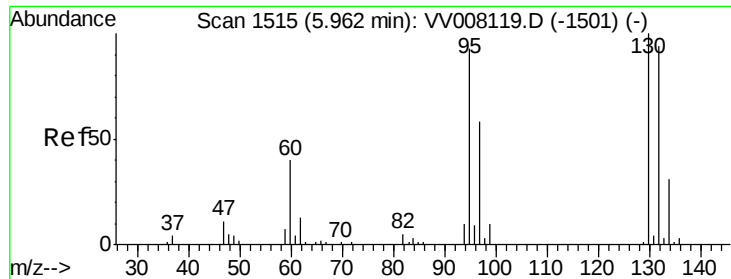
Tgt Ion: 83 Resp: 1066  
Ion Ratio Lower Upper  
83 100  
85 72.0 44.6 82.8



#29  
1,1,1-Trichloroethane  
Concen: 0.167 ug/L  
RT: 4.66 min Scan# 1110  
Delta R.T. -0.00 min  
Lab File: VV008128.D  
Acq: 06 Oct 2018 05:05

Tgt Ion: 97 Resp: 1733  
Ion Ratio Lower Upper  
97 100  
99 53.5 51.0 76.4  
61 21.3 34.0 51.0#

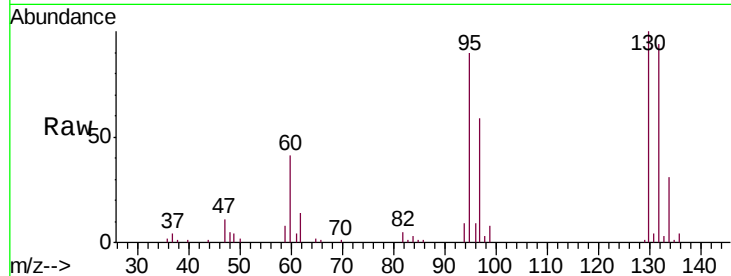




#34  
 Trichloroethene  
 Concen: 5.321 ug/L  
 RT: 5.96 min Scan# 1516  
 Delta R.T. 0.00 min  
 Lab File: VV008128.D  
 Acq: 06 Oct 2018 05:05

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BEYC2

Tgt Ion: 95 Resp: 36648  
 Ion Ratio Lower Upper  
 95 100  
 97 65.7 44.9 83.5  
 132 103.7 73.6 136.6  
 130 110.7 76.2 141.6



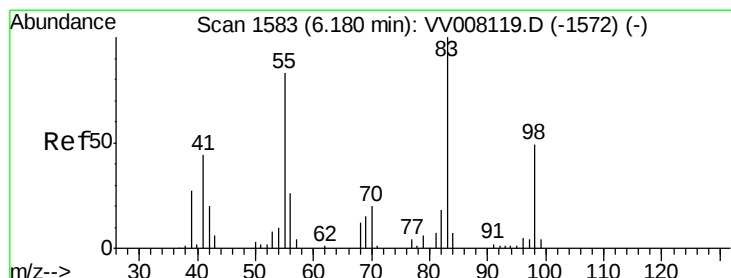
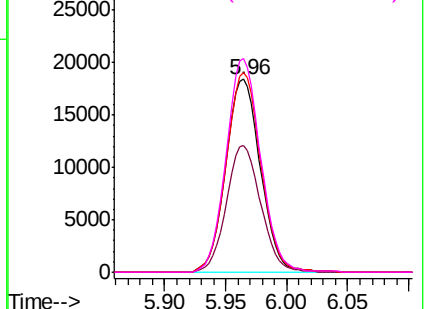
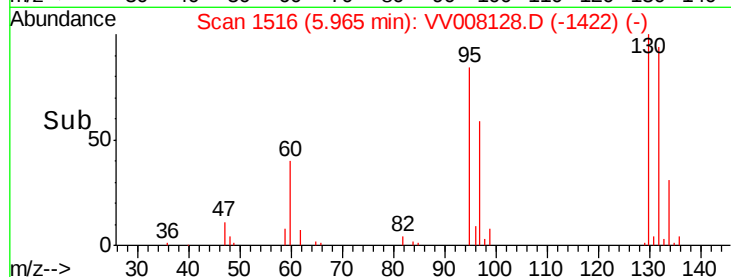
Abundance

Ion 95.00 (94.70 to 95.70): VV008128.D (-1422) (-)

Ion 96.95 (96.65 to 97.65): VV008128.D (-1422) (-)

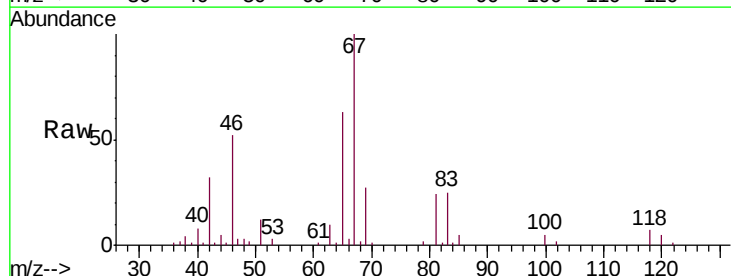
Ion 131.95 (131.65 to 132.65): VV008128.D (-1422) (-)

Ion 129.95 (129.65 to 130.65): VV008128.D (-1422) (-)



#35  
 Methylcyclohexane  
 Concen: 0.857 ug/L  
 RT: 6.13 min Scan# 1566  
 Delta R.T. -0.05 min  
 Lab File: VV008128.D  
 Acq: 06 Oct 2018 05:05

Tgt Ion: 83 Resp: 8246  
 Ion Ratio Lower Upper  
 83 100  
 55 0.0 63.6 95.4#  
 98 11.4 38.3 57.5#

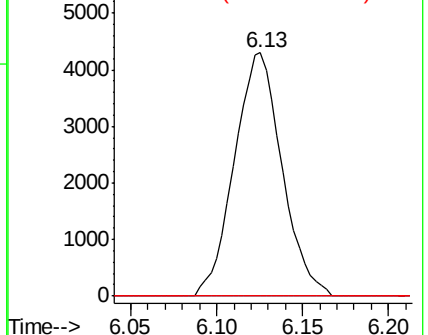
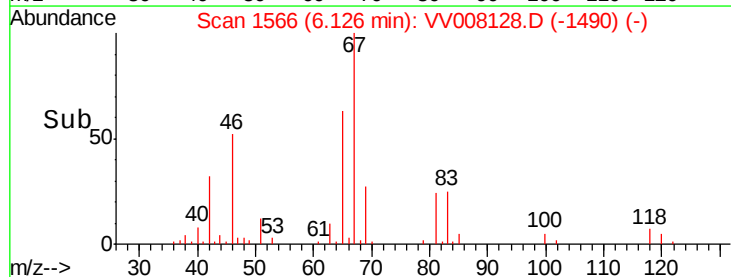


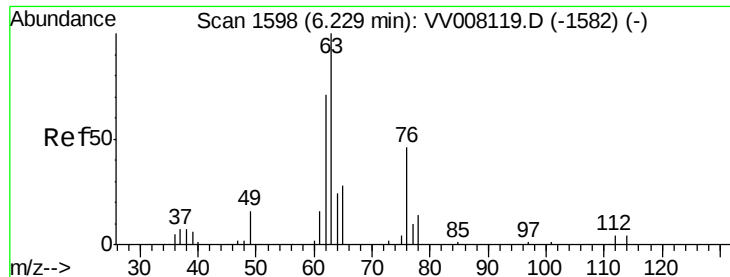
Abundance

Ion 83.15 (82.85 to 83.85): VV008128.D (-1490) (-)

Ion 55.10 (54.80 to 55.80): VV008128.D (-1490) (-)

Ion 98.15 (97.85 to 98.85): VV008128.D (-1490) (-)

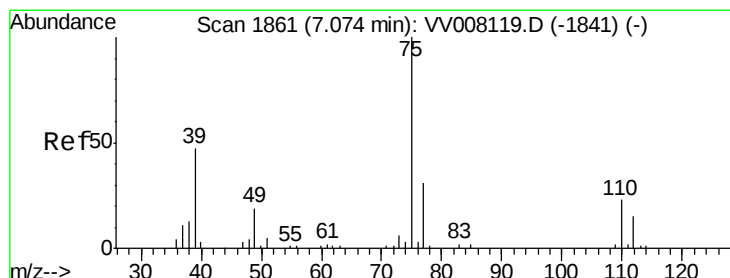
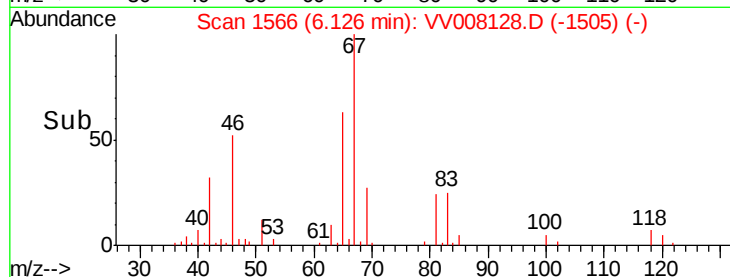
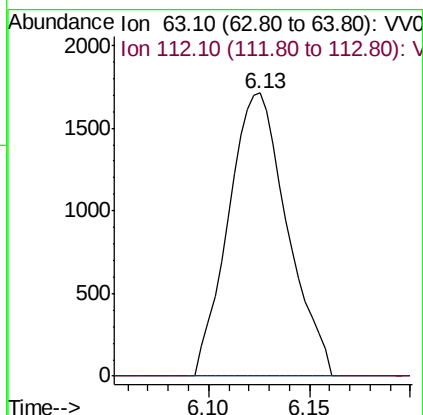
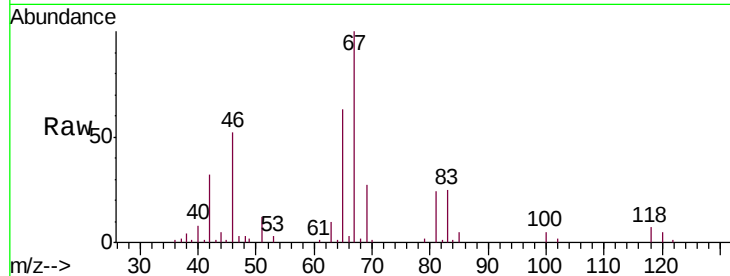




#37  
 1,2-Dichloropropane  
 Concen: 0.546 ug/L  
 RT: 6.13 min Scan# 1566  
 Delta R.T. -0.10 min  
 Lab File: VV008128.D  
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 MSVOA\_V  
 ClientSampleId :  
 BEYC2

Tgt Ion: 63 Resp: 3477  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.4 5.2#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.094 ug/L  
 RT: 7.04 min Scan# 1850  
 Delta R.T. -0.04 min  
 Lab File: VV008128.D  
 Acq: 06 Oct 2018 05:05

Tgt Ion: 75 Resp: 768  
 Ion Ratio Lower Upper  
 75 100  
 77 32.4 22.1 41.1

