

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\  
 Data File : VV017138.D  
 Acq On : 25 Jun 2020 19:35  
 Operator : SY/MD  
 Sample : L3106-08  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFXN0

Quant Time: Jun 26 03:54:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 26 01:31:34 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 161259   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 158460   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 70937    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 52732    | 5.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 109.00% |
| 7) Chloroethane-d5             | 1.58   | 69    | 41001    | 5.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 116.60% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 76748    | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 83.40%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 124624   | 50.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.04% |
| 24) Chloroform-d               | 4.38   | 84    | 110493   | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.80% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 59527    | 5.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.40% |
| 32) Benzene-d6                 | 5.08   | 84    | 207813   | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.20% |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 61362    | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.80%  |
| 41) Toluene-d8                 | 7.34   | 98    | 178259   | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.40%  |
| 45) trans-1,3-Dichloropropene- | 7.64   | 79    | 23401    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.40%  |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 90374    | 46.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 92.54%  |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 40089    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.00%  |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 72078    | 5.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 110.00% |

## Target Compounds

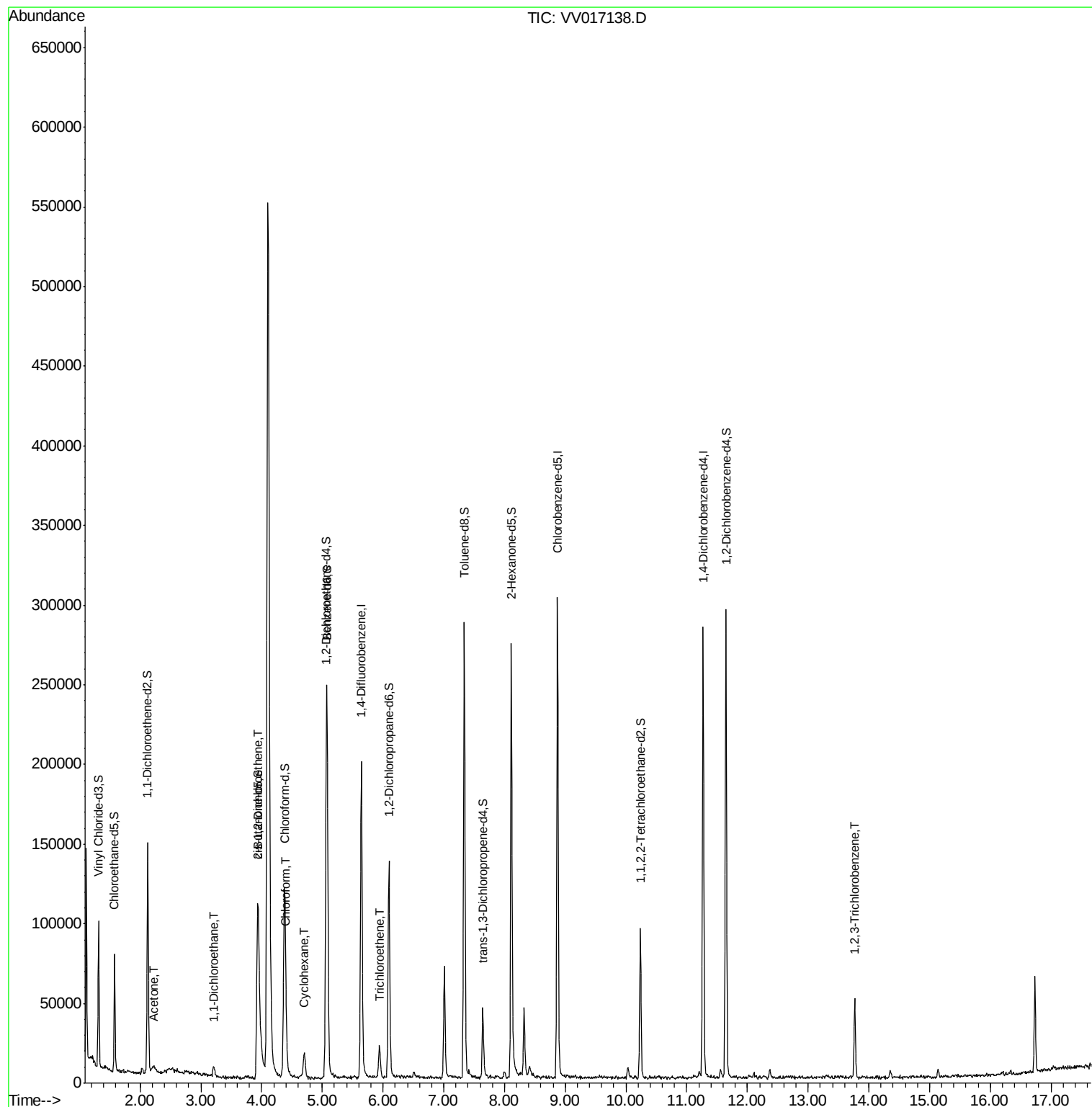
|                            |       |     |       |       | Ovalue  |
|----------------------------|-------|-----|-------|-------|---------|
| 13) Acetone                | 2.22  | 43  | 10483 | 8.407 | ug/L 73 |
| 19) 1,1-Dichloroethane     | 3.21  | 63  | 6547  | 0.355 | ug/L 95 |
| 22) cis-1,2-Dichloroethene | 3.94  | 96  | 31813 | 2.837 | ug/L 95 |
| 25) Chloroform             | 4.41  | 83  | 11124 | 0.553 | ug/L 92 |
| 30) Cyclohexane            | 4.70  | 56  | 7583  | 0.420 | ug/L 95 |
| 34) Trichloroethene        | 5.94  | 95  | 6526  | 0.537 | ug/L 92 |
| 71) 1,2,3-Trichlorobenzene | 13.77 | 180 | 14012 | 1.216 | ug/L 99 |

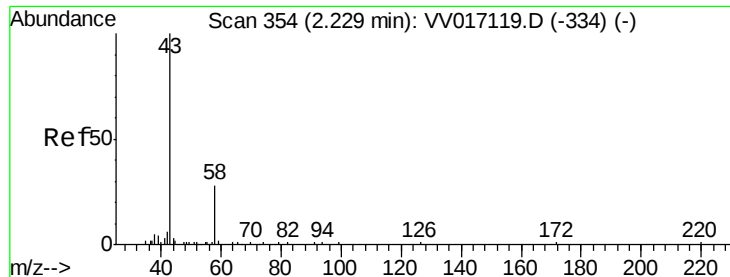
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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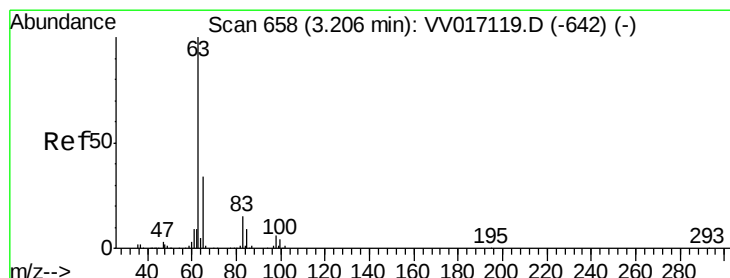
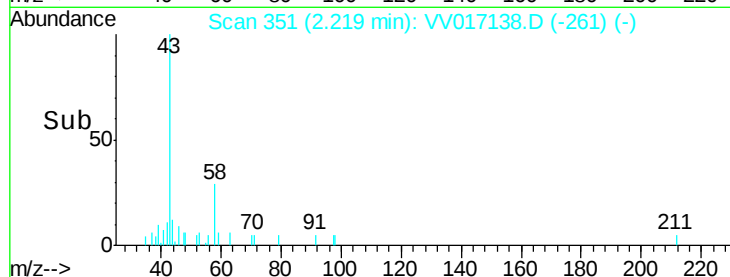
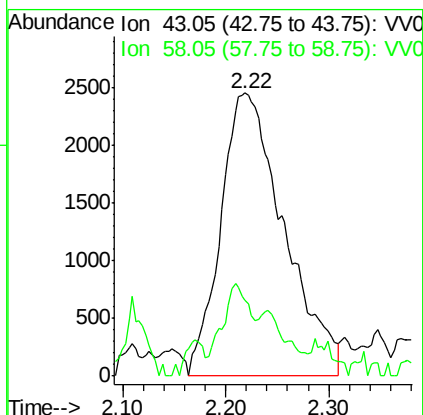
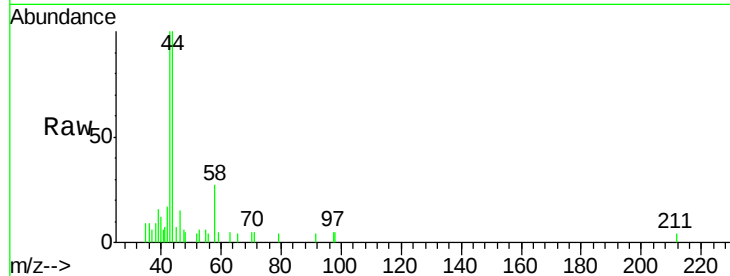




#13  
Acetone  
Concen: 8.407 ug/L  
RT: 2.22 min Scan# 351  
Delta R.T. -0.01 min  
Lab File: VV017138.D  
Acq: 25 Jun 2020 19:35

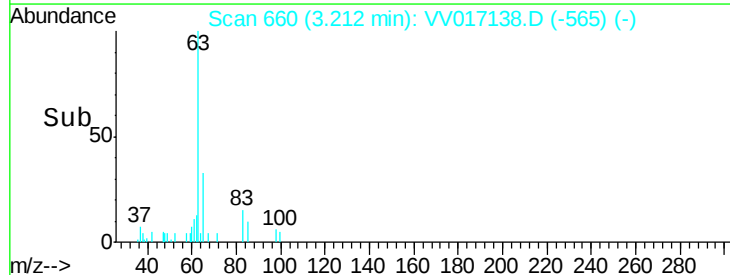
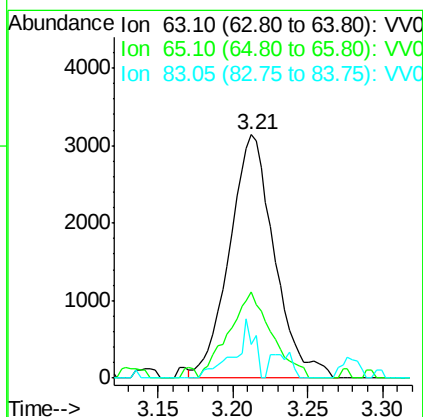
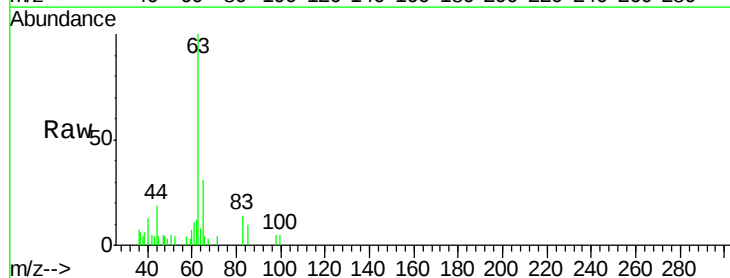
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFXN0

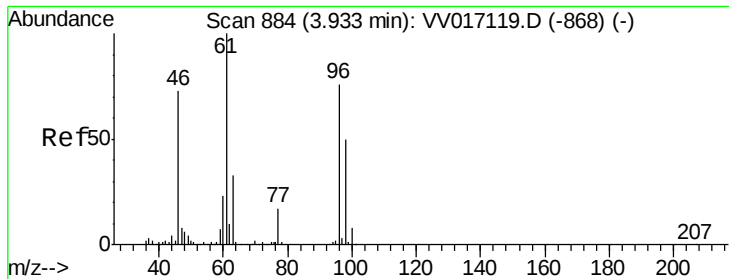
Tot Ion: 43 Resp: 10483  
Ion Ratio Lower Upper  
43 100  
58 14.7 0.0 58.4



#19  
1,1-Dichloroethane  
Concen: 0.355 ug/L  
RT: 3.21 min Scan# 660  
Delta R.T. 0.01 min  
Lab File: VV017138.D  
Acq: 25 Jun 2020 19:35

Tgt Ion: 63 Resp: 6547  
Ion Ratio Lower Upper  
63 100  
65 35.1 21.8 40.4  
83 14.1 9.7 17.9



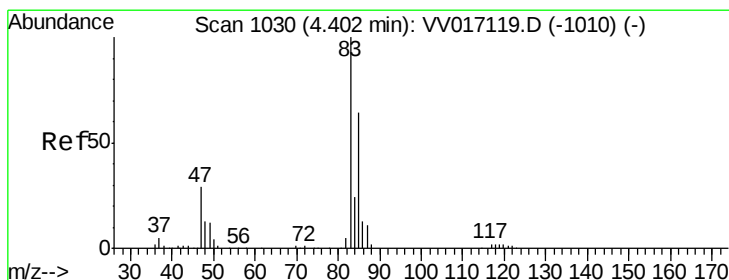
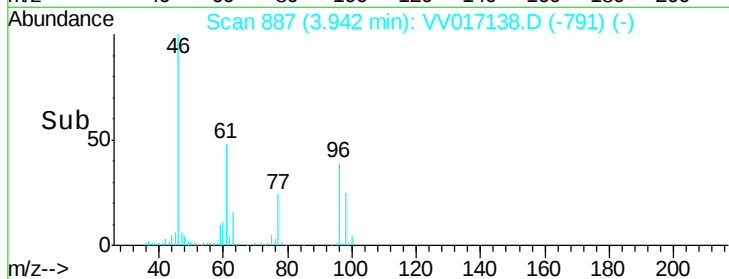
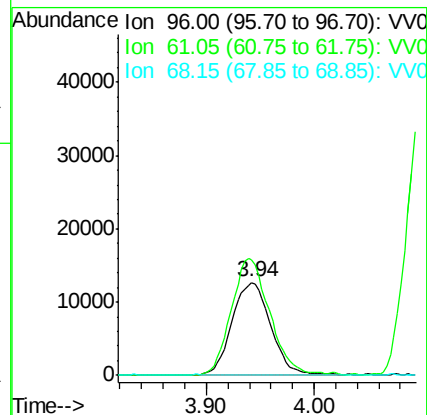
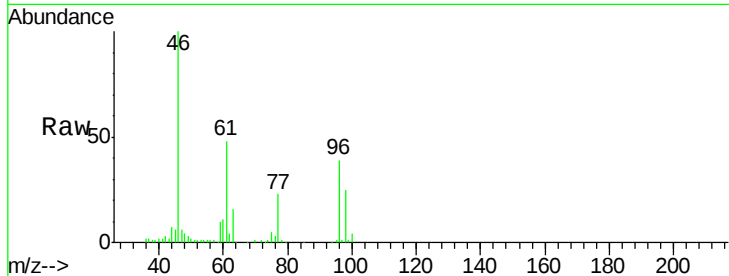


#22

cis-1,2-Dichloroethene  
 Concen: 2.837 ug/L  
 RT: 3.94 min Scan# 887  
 Delta R.T. 0.01 min  
 Lab File: VV017138.D  
 Acq: 25 Jun 2020 19:35

Instrument :  
 MSVOA\_V  
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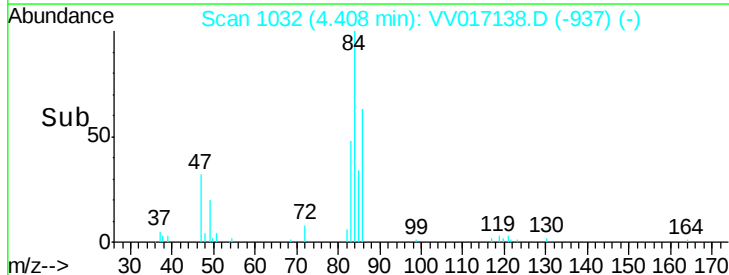
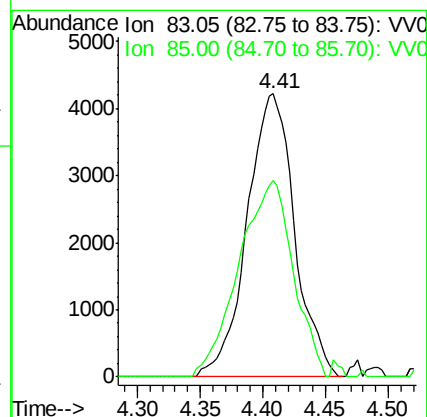
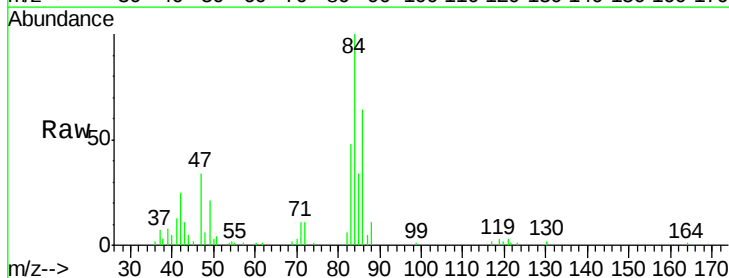
Tot Ion: 96 Resp: 31813  
 Ion Ratio Lower Upper  
 96 100  
 61 123.8 91.0 169.0  
 68 0.0 0.0 0.0

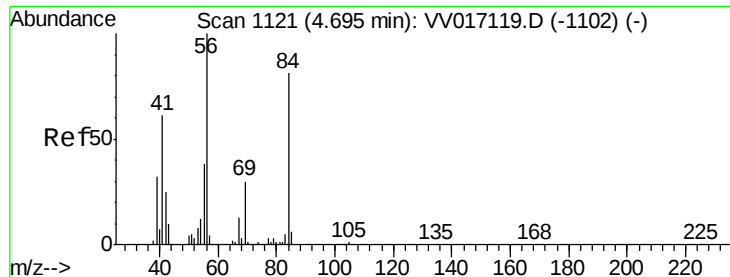


#25

Chloroform  
 Concen: 0.553 ug/L  
 RT: 4.41 min Scan# 1032  
 Delta R.T. 0.01 min  
 Lab File: VV017138.D  
 Acq: 25 Jun 2020 19:35

Tgt Ion: 83 Resp: 11124  
 Ion Ratio Lower Upper  
 83 100  
 85 69.5 44.2 82.2

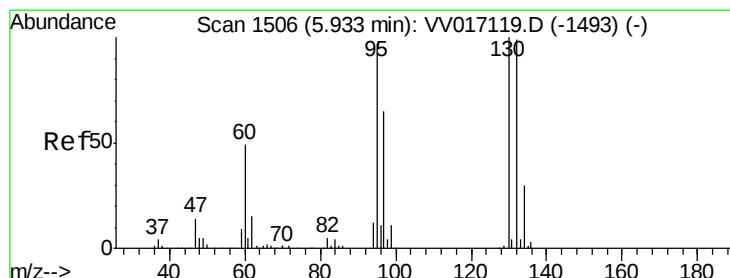
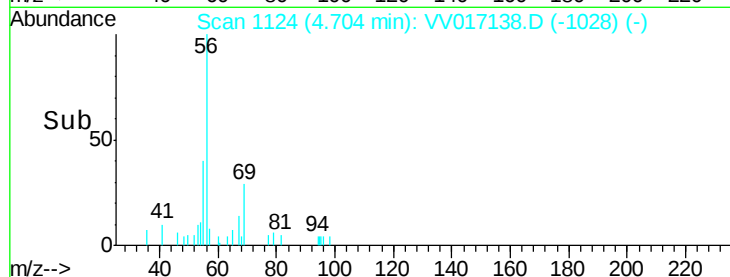
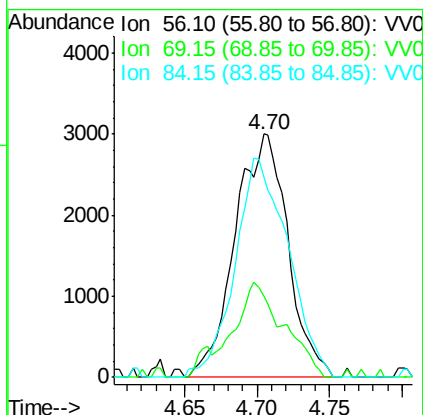
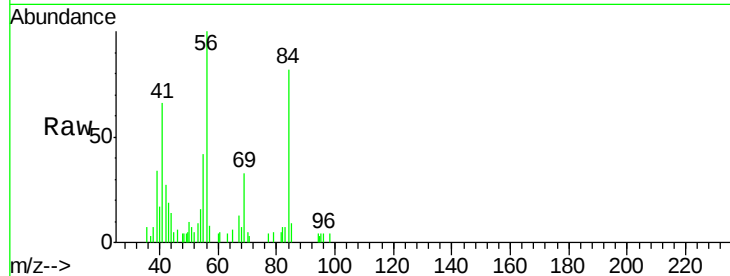




#30  
Cvclohexane  
Concen: 0.420 ug/L  
RT: 4.70 min Scan# 1124  
Delta R.T. 0.01 min  
Lab File: VV017138.D  
Acq: 25 Jun 2020 19:35

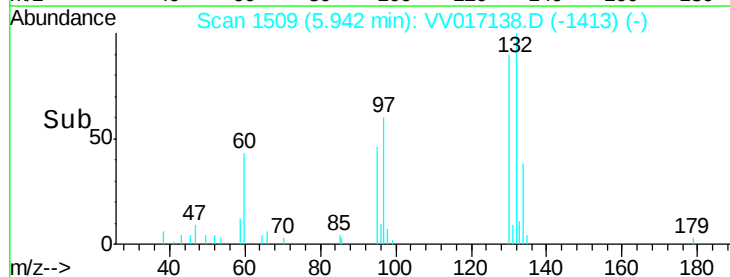
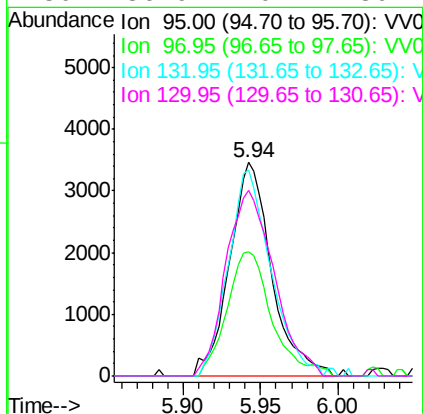
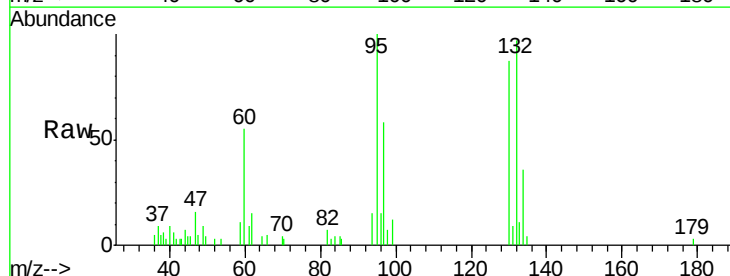
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFXN0

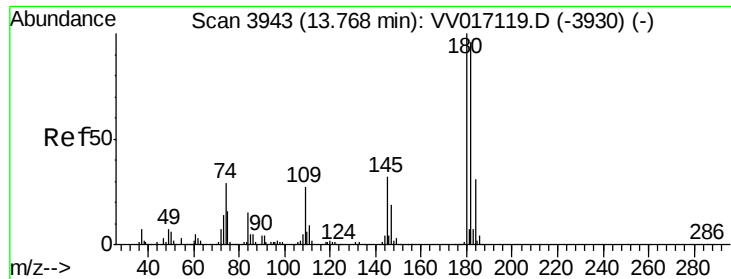
Tot Ion: 56 Resp: 7583  
Ion Ratio Lower Upper  
56 100  
69 35.8 24.4 36.6  
84 90.8 69.9 104.9



#34  
Trichloroethene  
Concen: 0.537 ug/L  
RT: 5.94 min Scan# 1509  
Delta R.T. 0.01 min  
Lab File: VV017138.D  
Acq: 25 Jun 2020 19:35

Tgt Ion: 95 Resp: 6526  
Ion Ratio Lower Upper  
95 100  
97 58.3 45.3 84.1  
132 96.7 68.8 127.8  
130 86.9 70.2 130.4





#71  
 1,2,3-Trichlorobenzene  
 Concen: 1.216 ug/L  
 RT: 13.77 min Scan# 3943  
 Delta R.T. -0.00 min  
 Lab File: VV017138.D  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.8  | 77.4  | 116.0 |
| 145     | 33.4  | 25.9  | 38.9  |

