

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\  
 Data File : VV016632.D  
 Acq On : 07 Jun 2020 10:08  
 Operator : SY/MD  
 Sample : L2862-06DL 10X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 59 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9D89DL

Quant Time: Jun 08 06:44:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Jun 08 05:42:16 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 351506   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 327365   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 148983   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 106435   | 42.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 85.50%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 73675    | 40.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 81.98%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 143301   | 32.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 64.94%  |
| 21) 2-Butanone-d5              | 3.90    | 46    | 171747   | 107.89   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 107.89% |
| 24) Chloroform-d               | 4.37    | 84    | 228710   | 48.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.90%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 162322   | 51.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.76% |
| 32) Benzene-d6                 | 5.07    | 84    | 454097   | 51.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.56% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 145078   | 53.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 106.20% |
| 41) Toluene-d8                 | 7.34    | 98    | 404652   | 50.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.62% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 61964    | 46.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 93.06%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 121600   | 103.91   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.91% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 181016   | 48.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.70%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 158926   | 56.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 113.52% |

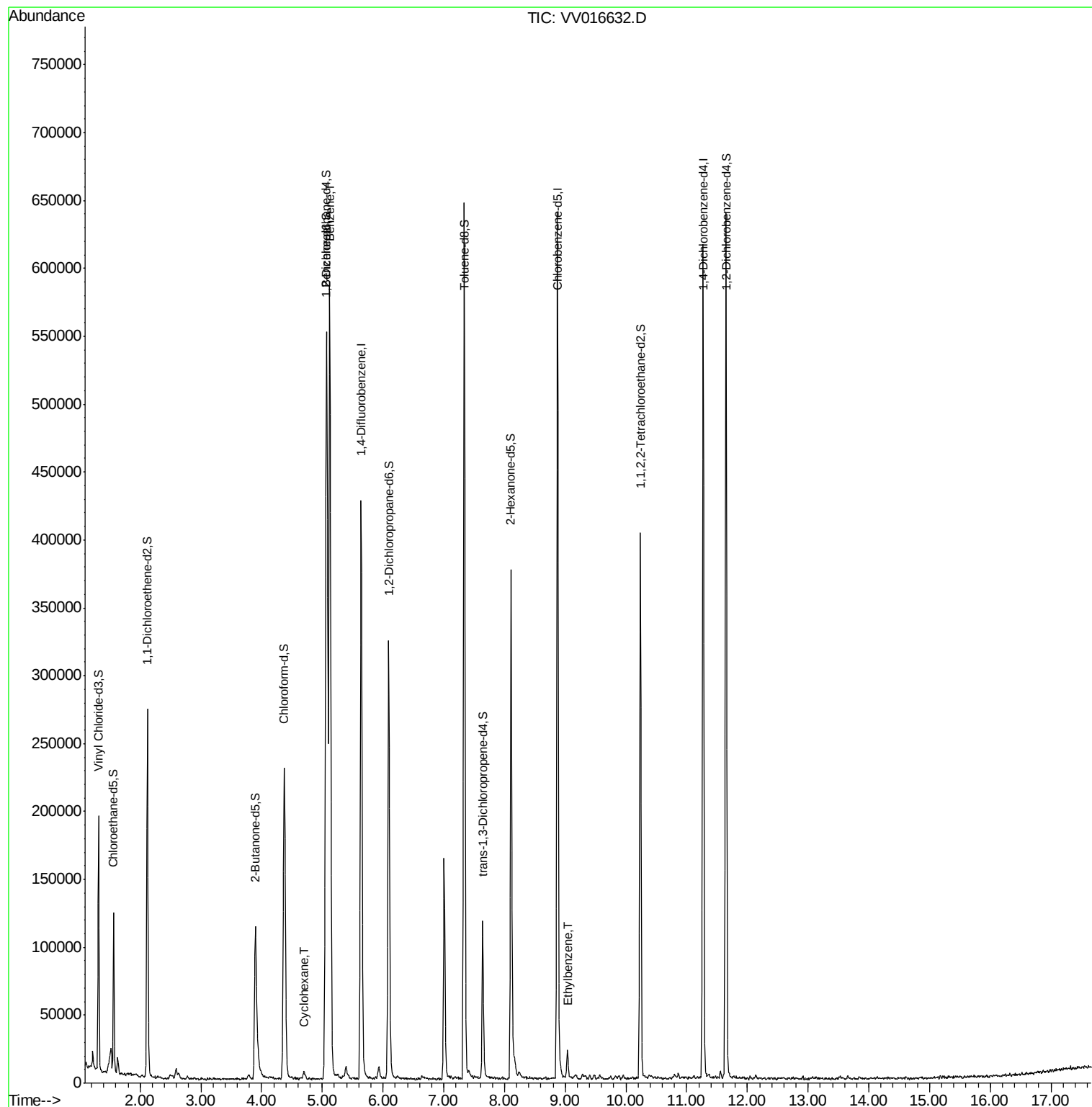
| Target Compounds |      |    |        |             | Ovalue |
|------------------|------|----|--------|-------------|--------|
| 29) Cyclohexane  | 4.70 | 56 | 2333   | 0.600 ug/L  | # 83   |
| 33) Benzene      | 5.12 | 78 | 566305 | 58.820 ug/L | 100    |
| 52) Ethylbenzene | 9.04 | 91 | 14466  | 1.303 ug/L  | 99     |

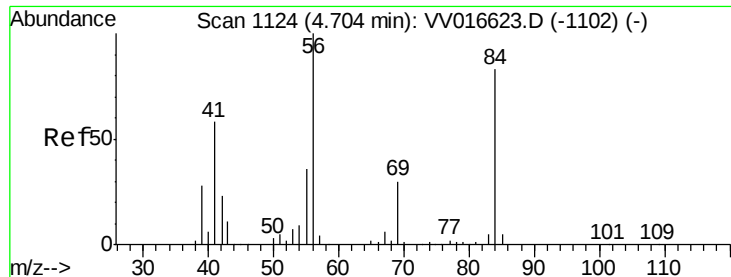
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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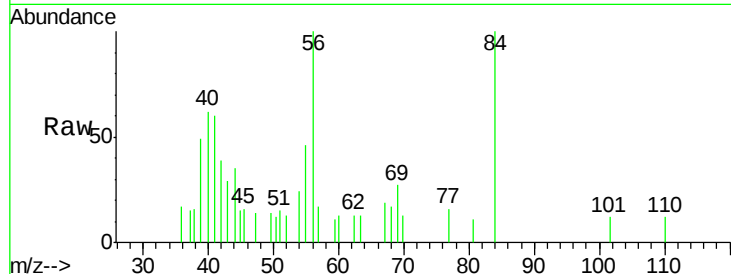




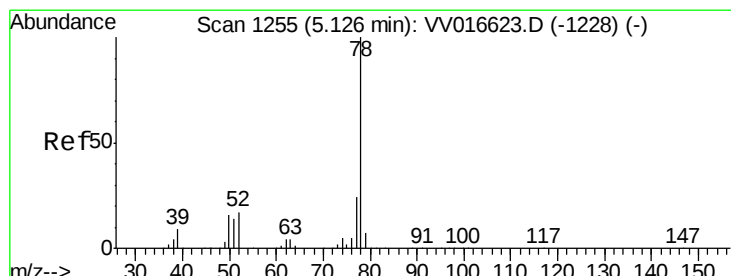
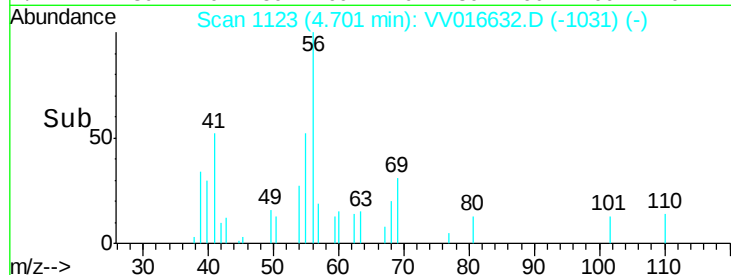
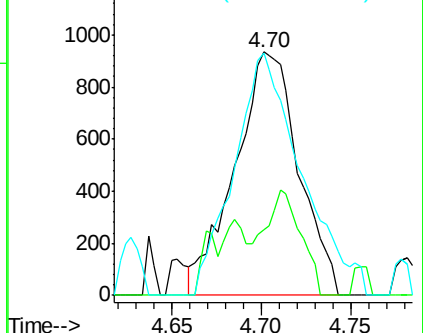
#29  
Cyclohexane  
Concen: 0.600 ug/L  
RT: 4.70 min Scan# 1123  
Delta R.T. -0.00 min  
Lab File: VV016632.D  
Acq: 07 Jun 2020 10:08

Instrument :  
MSVOA\_V  
ClientSampleId :  
F9D89DL

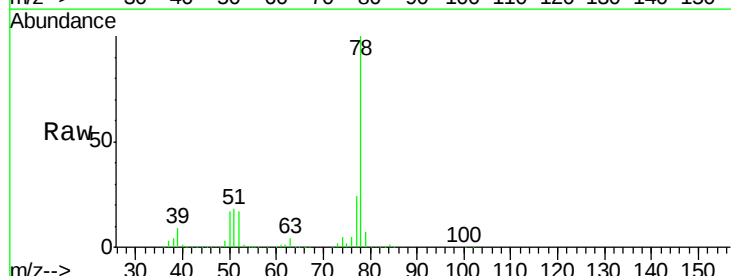
Tot Ion: 56 Resp: 2333  
Ion Ratio Lower Upper  
56 100  
69 24.4 23.9 35.9  
84 103.1 68.2 102.2#



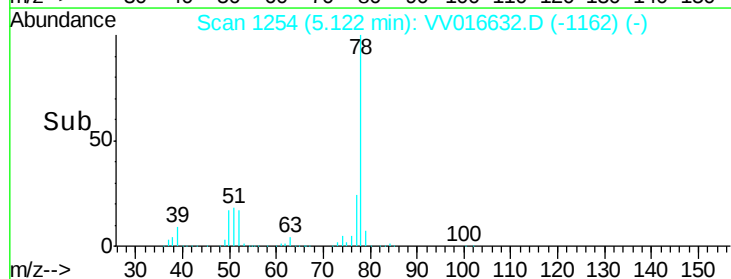
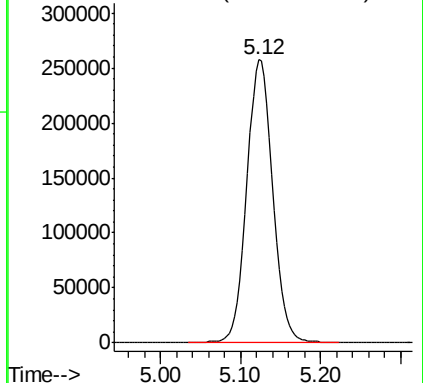
Abundance Ion 56.00 (55.70 to 56.70): VV0  
Ion 69.00 (68.70 to 69.70): VV0  
Ion 84.00 (83.70 to 84.70): VV0

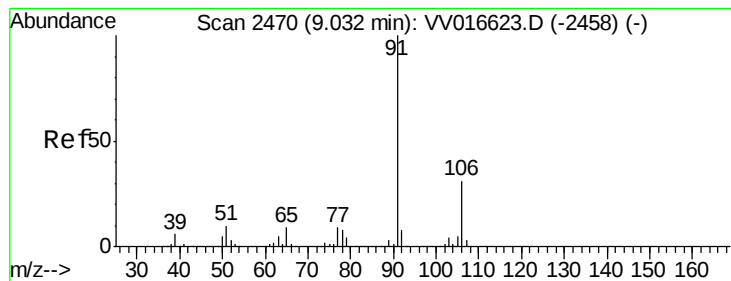


#33  
Benzene  
Concen: 58.820 ug/L  
RT: 5.12 min Scan# 1254  
Delta R.T. -0.00 min  
Lab File: VV016632.D  
Acq: 07 Jun 2020 10:08  
Tgt Ion: 78 Resp: 566305



Abundance Ion 78.00 (77.70 to 78.70): VV0





#52

Ethylbenzene

Concen: 1.303 ug/L

RT: 9.04 min Scan# 2472

Delta R.T. 0.01 min

Lab File: VV016632.D

Acq: 07 Jun 2020 10:08

Instrument :  
MSVOA\_V  
ClientSampleId :  
F9D89DL

Tot Ion: 91 Resp: 14466

Ion Ratio Lower Upper

91 100

106 30.8 21.8 40.4

