

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092618\  
 Data File : VR025857.D  
 Acq On : 26 Sep 2018 11:15  
 Operator : SY/MD  
 Sample : VR0926WBL01  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :

Quant Time: Sep 27 07:50:26 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092118WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Sep 27 07:50:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 407182   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 328216   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 105282   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 119002   | 4.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 81.60%  |
| 7) Chloroethane-d5             | 2.63   | 69    | 107167   | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.60%  |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 218569   | 3.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 62.00%  |
| 20) 2-Butanone-d5              | 6.59   | 46    | 198131   | 50.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.96% |
| 24) Chloroform-d               | 7.20   | 84    | 257471   | 4.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.20%  |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 113471   | 4.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.00%  |
| 32) Benzene-d6                 | 7.85   | 84    | 502074   | 4.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.40%  |
| 36) 1,2-Dichloropropane-d6     | 8.89   | 67    | 149547   | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.00%  |
| 41) Toluene-d8                 | 9.97   | 98    | 428486   | 3.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 78.20%  |
| 43) trans-1,3-Dichloropropene- | 10.23  | 79    | 28054    | 3.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 61.00%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 144920   | 47.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 94.38%  |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 56707    | 4.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 89.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 76532    | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 85.00%  |

## Target Compounds

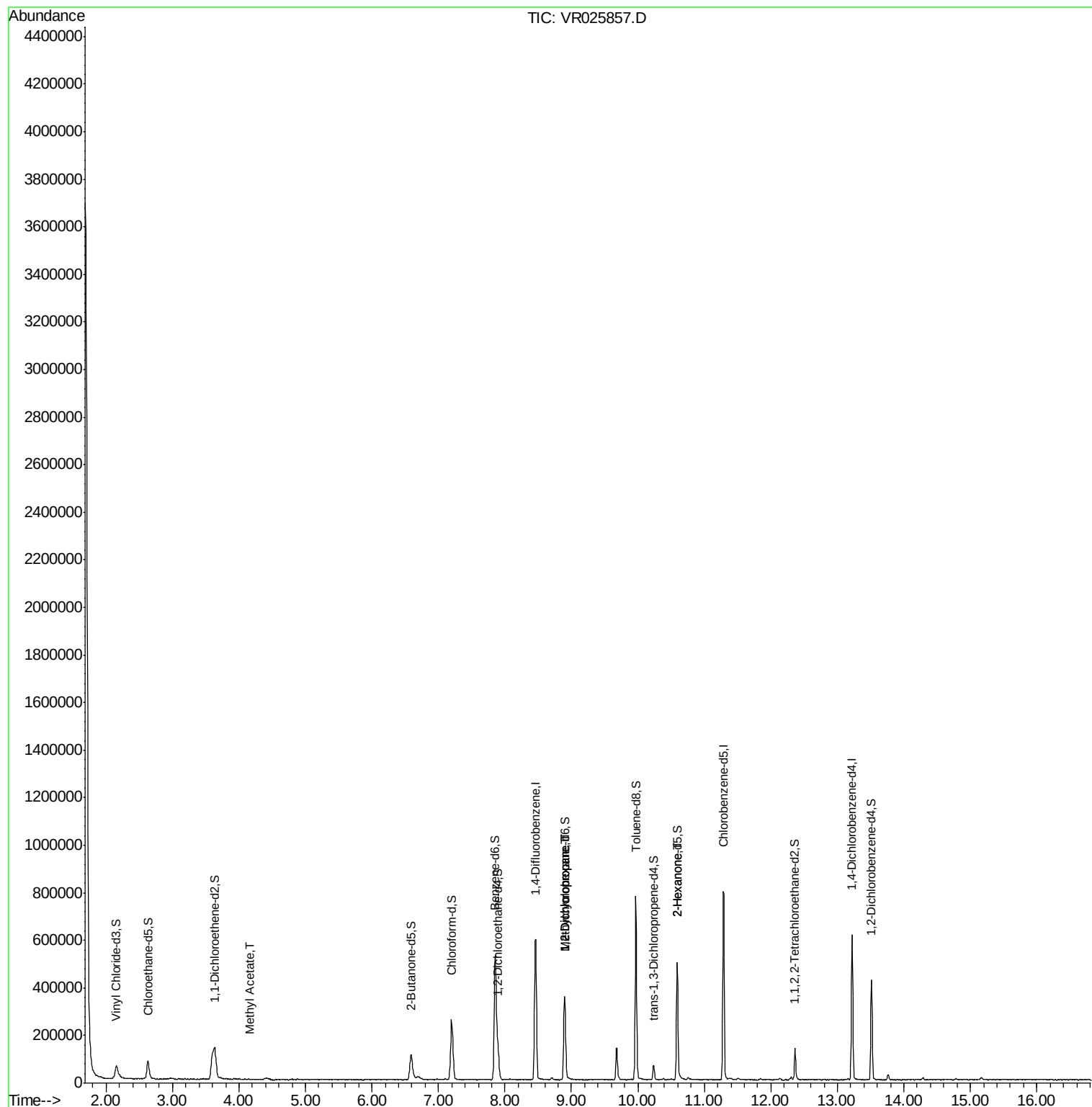
|                         |       |    |       |              | Ovalue |
|-------------------------|-------|----|-------|--------------|--------|
| 15) Methyl Acetate      | 4.17  | 43 | 678   | 0.082 ug/L # | 57     |
| 35) Methylcyclohexane   | 8.89  | 83 | 33232 | 0.443 ug/L # | 16     |
| 37) 1,2-Dichloropropane | 8.89  | 63 | 17383 | 0.453 ug/L # | 94     |
| 48) 2-Hexanone          | 10.59 | 43 | 23211 | 2.639 ug/L # | 68     |

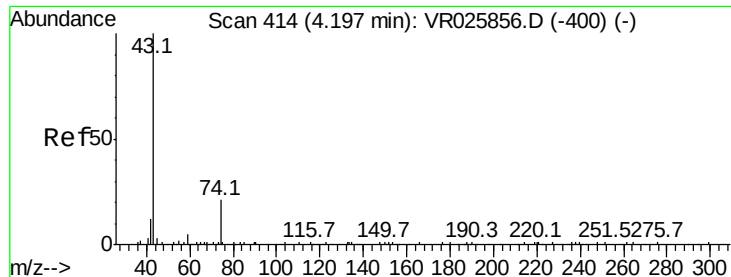
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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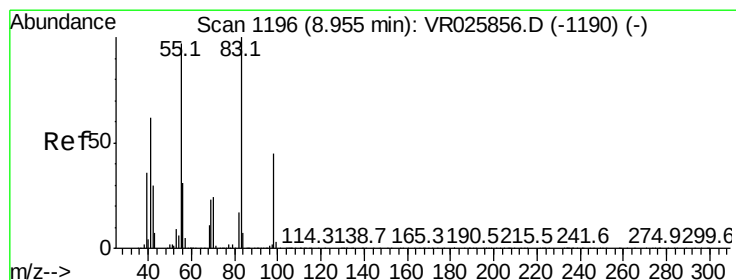
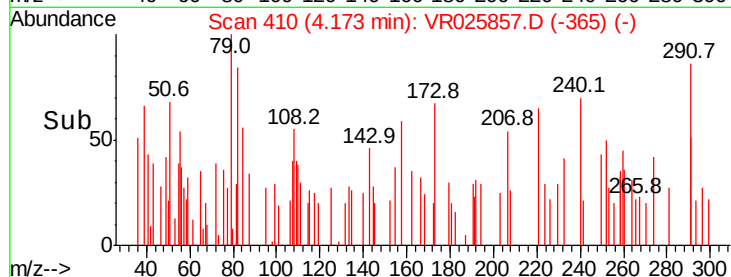
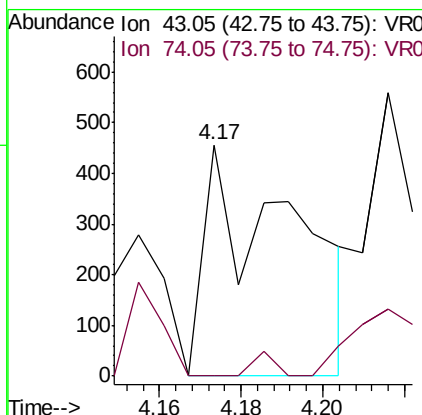
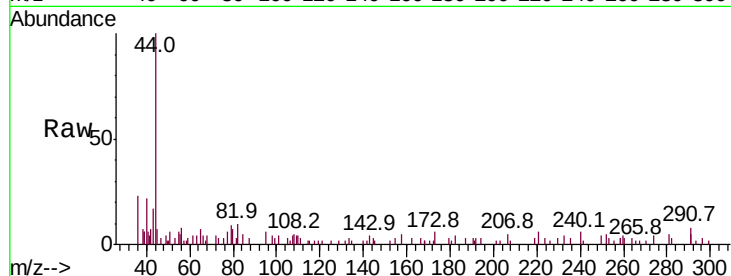




#15  
Methvl Acetate  
Concen: 0.082 ug/L  
RT: 4.17 min Scan# 410  
Delta R.T. -0.02 min  
Lab File: VR025857.D  
Acq: 26 Sep 2018 11:15

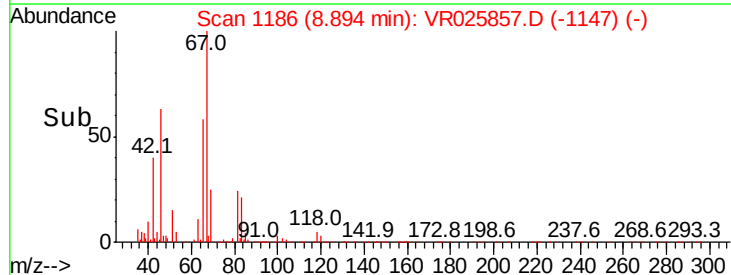
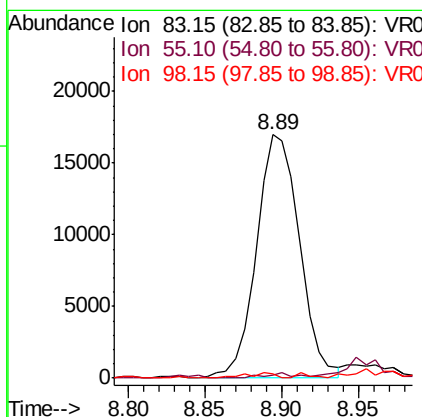
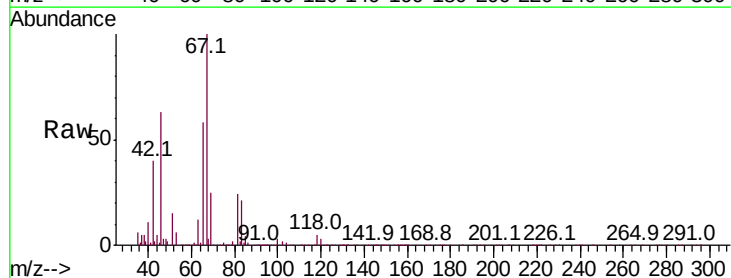
Instrument :  
MSVOA\_R  
ClientSampleId :

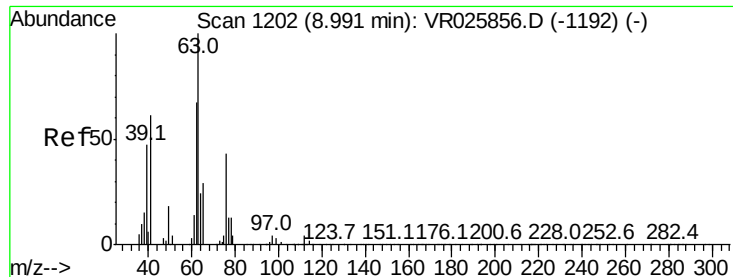
Tot Ion: 43 Resp: 678  
Ion Ratio Lower Upper  
43 100  
74 2.7 19.0 28.4#



#35  
Methylcyclohexane  
Concen: 0.443 ug/L  
RT: 8.89 min Scan# 1186  
Delta R.T. -0.06 min  
Lab File: VR025857.D  
Acq: 26 Sep 2018 11:15

Tgt Ion: 83 Resp: 33232  
Ion Ratio Lower Upper  
83 100  
55 1.6 71.8 107.6#  
98 1.4 34.2 51.4#

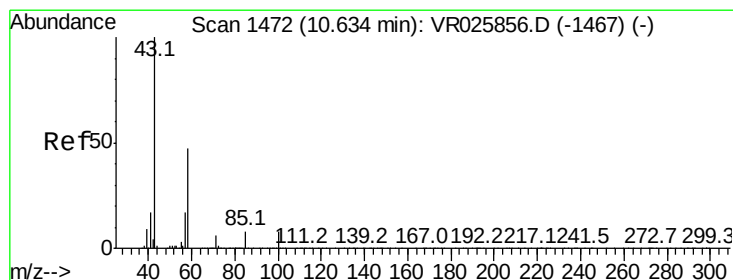
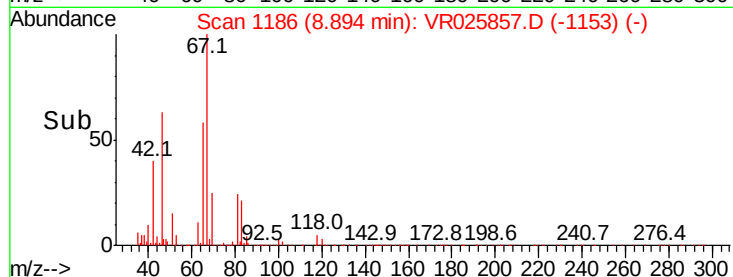
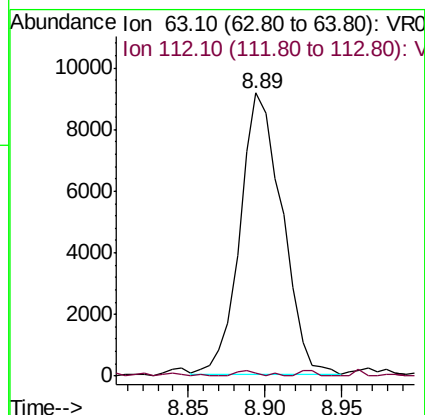
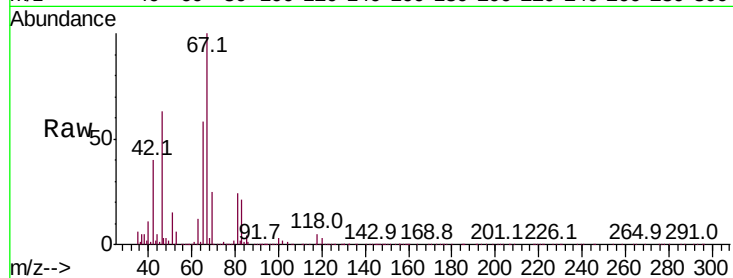




#37  
 1,2-Dichloropropane  
 Concen: 0.453 ug/L  
 RT: 8.89 min Scan# 1186  
 Delta R.T. -0.10 min  
 Lab File: VR025857.D  
 Acq: 26 Sep 2018 11:15

Instrument :  
 MSVOA\_R  
 ClientSampleId :

Tot Ion: 63 Resp: 17383  
 Ion Ratio Lower Upper  
 63 100  
 112 1.0 2.5 3.7#



#48  
 2-Hexanone  
 Concen: 2.639 ug/L  
 RT: 10.59 min Scan# 1465  
 Delta R.T. -0.04 min  
 Lab File: VR025857.D  
 Acq: 26 Sep 2018 11:15

Tgt Ion: 43 Resp: 23211  
 Ion Ratio Lower Upper  
 43 100  
 58 19.9 39.5 59.3#  
 57 22.6 14.6 21.8#  
 100 2.0 6.7 10.1#

