

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW021621\  
 Data File : VW018160.D  
 Acq On : 16 Feb 2021 14:15  
 Operator : SY/VA  
 Sample : M1414-03MS  
 Misc : 5.13G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DBG7MS

Quant Time: Feb 17 01:05:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM012921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Feb 17 01:02:43 2021  
 Response via : Initial Calibration

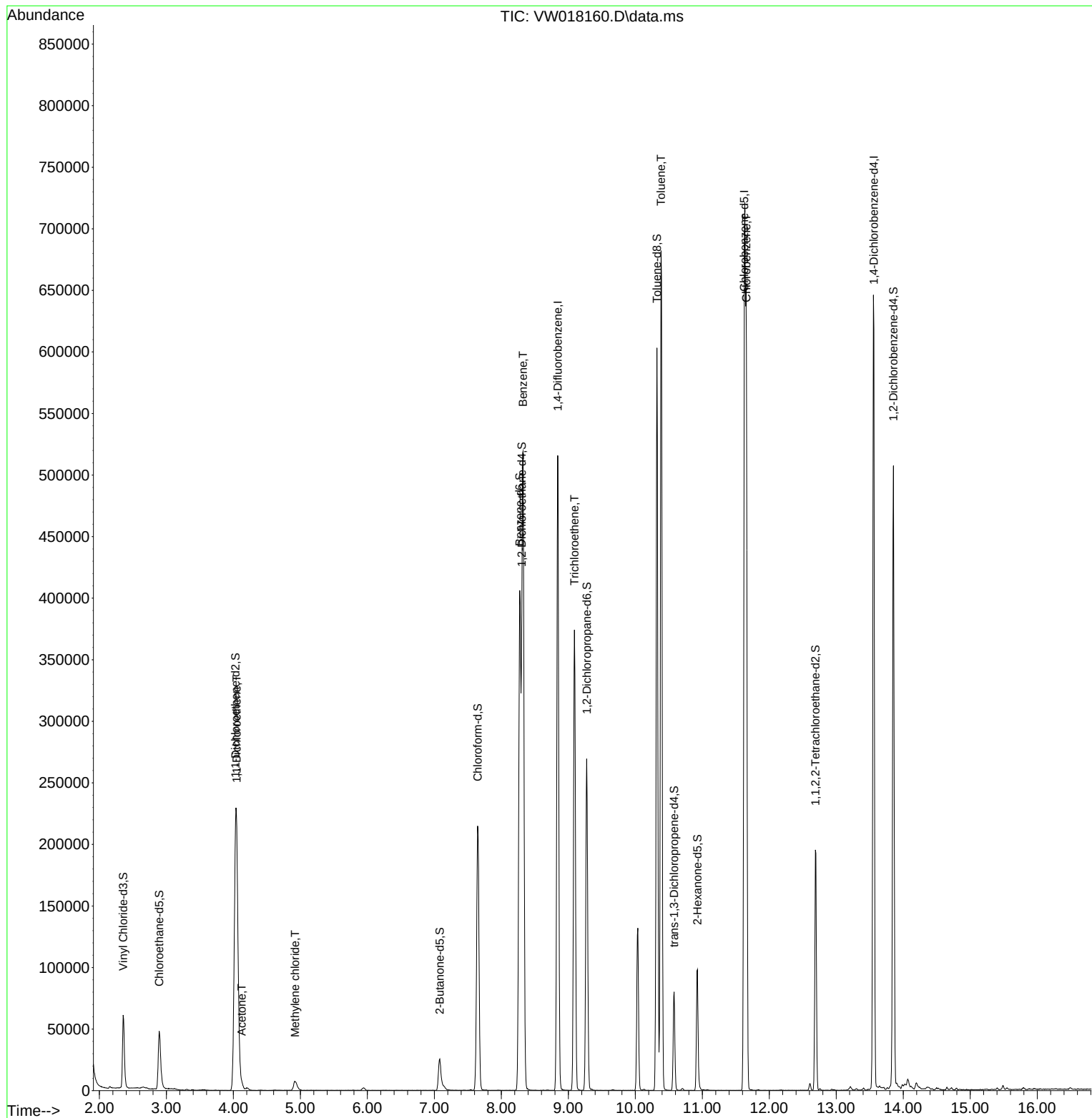
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 457357   | 25.00    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 398684   | 25.00    | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 183324   | 25.00    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 73207    | 12.88    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 51.52%   |
| 7) Chloroethane-d5            | 2.891  | 69    | 69068    | 15.31    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 61.24%   |
| 10) 1,1-Dichloroethene-d2     | 4.031  | 63    | 182969   | 16.10    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 64.40%   |
| 20) 2-Butanone-d5             | 7.080  | 46    | 42424    | 27.97    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 55.94%   |
| 24) Chloroform-d              | 7.647  | 84    | 228196   | 19.01    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 76.04%   |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 113109   | 17.69    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 70.76%   |
| 29) Benzene-d6                | 8.275  | 84    | 439689   | 20.08    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 80.32%   |
| 33) 1,2-Dichloropropane-d6    | 9.274  | 67    | 127539   | 20.83    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 83.32%   |
| 37) Toluene-d8                | 10.323 | 98    | 403053   | 19.35    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 77.40%   |
| 38) trans-1,3-Dichloroprop... | 10.579 | 79    | 47165    | 16.99    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 67.96%   |
| 39) 2-Hexanone-d5             | 10.927 | 63    | 36464    | 31.15    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 62.30%   |
| 48) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 96765    | 17.99    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 71.96%   |
| 61) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 137487   | 21.02    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 84.08%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 4.050  | 96    | 112454   | 18.40    | ug/L   | 93       |
| 13) Acetone                   | 4.123  | 43    | 4612     | 4.11     | ug/L   | 84       |
| 16) Methylene chloride        | 4.922  | 84    | 7390     | 1.01     | ug/L   | 93       |
| 34) Benzene                   | 8.323  | 78    | 484293   | 20.78    | ug/L   | 100      |
| 35) Trichloroethene           | 9.092  | 95    | 133005   | 20.26    | ug/L   | 98       |
| 44) Toluene                   | 10.384 | 91    | 526412   | 20.53    | ug/L   | 99       |
| 52) Chlorobenzene             | 11.658 | 112   | 335179   | 19.84    | ug/L   | 98       |
| -----                         |        |       |          |          |        |          |

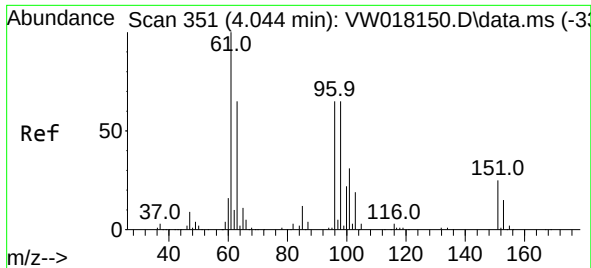
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 13 Sample Multiplier: 1

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DBG7MS

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Quant Title : VOC Analysis  
QLast Update : Wed Feb 17 01:02:43 2021  
Response via : Initial Calibration

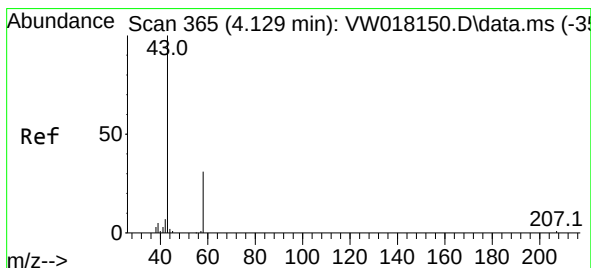
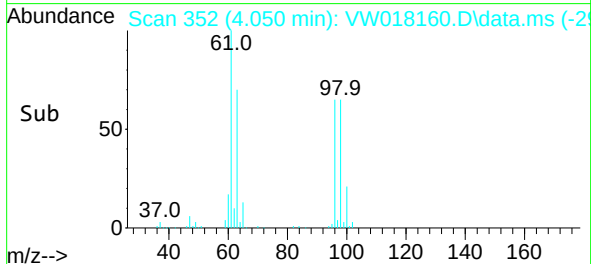
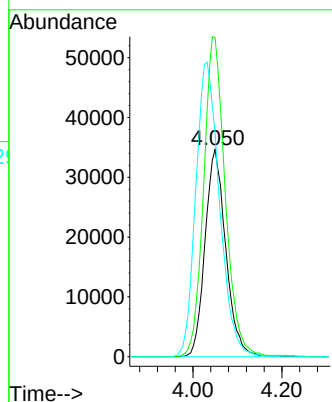
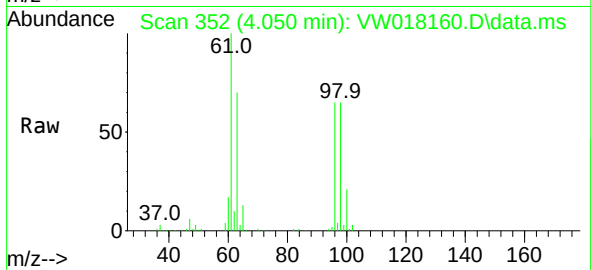




#12  
1,1-Dichloroethene  
Concen: 18.40 ug/L  
RT: 4.050 min Scan# 352  
Delta R.T. 0.006 min  
Lab File: VW018160.D  
Acq: 16 Feb 2021 14:15

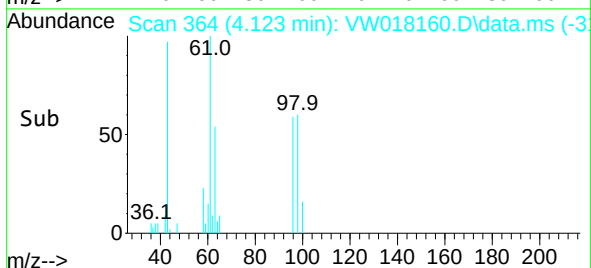
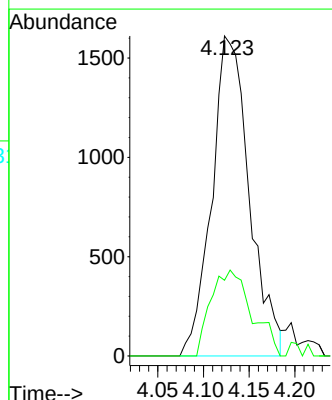
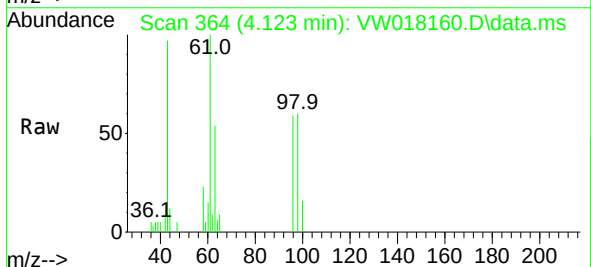
Instrument :  
MSVOA\_W  
ClientSampleId :  
DBG7MS

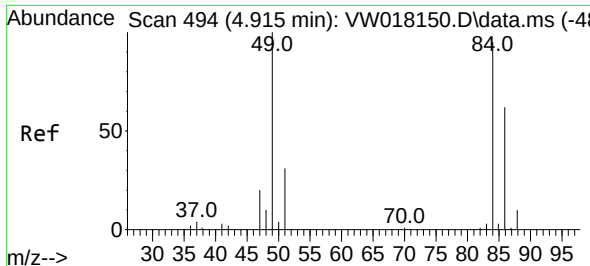
Tgt Ion: 96 Resp: 112454  
Ion Ratio Lower Upper  
96 100  
61 154.0 112.5 208.9  
63 108.0 83.1 154.3



#13  
Acetone  
Concen: 4.11 ug/L  
RT: 4.123 min Scan# 364  
Delta R.T. -0.006 min  
Lab File: VW018160.D  
Acq: 16 Feb 2021 14:15

Tgt Ion: 43 Resp: 4612  
Ion Ratio Lower Upper  
43 100  
58 24.8 0.0 68.4



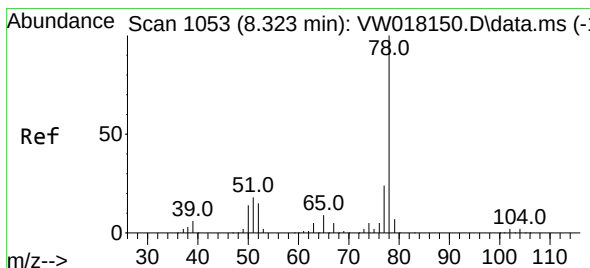
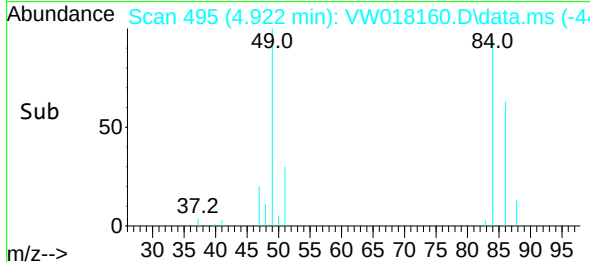
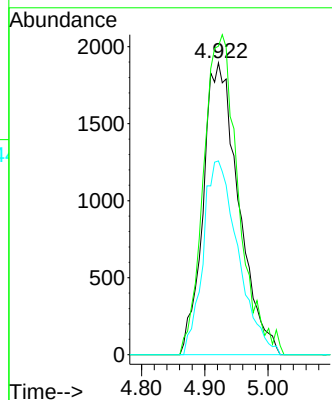
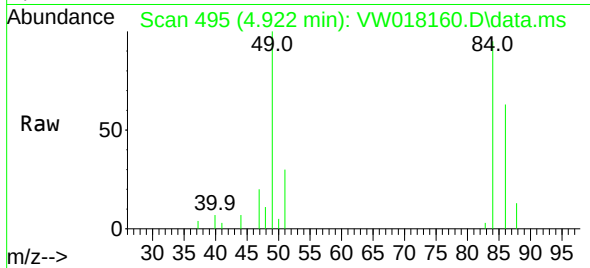


#16  
Methylene chloride  
Concen: 1.01 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. 0.006 min  
Lab File: VW018160.D  
Acq: 16 Feb 2021 14:15

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBG7MS

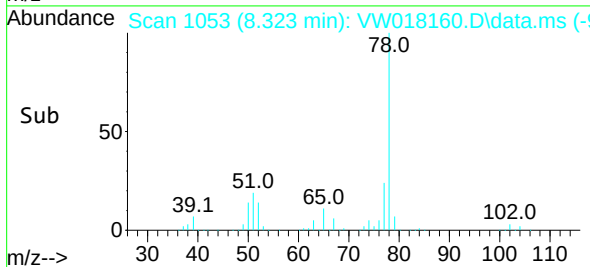
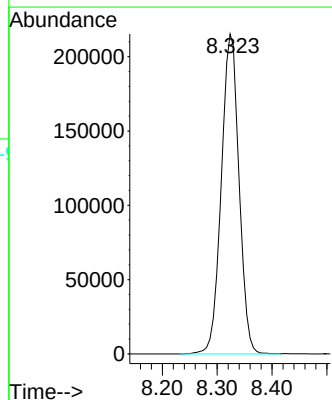
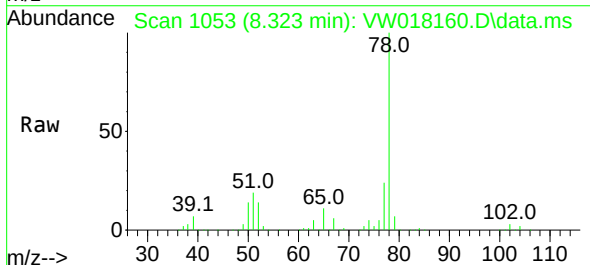
Tgt Ion: 84 Resp: 7390

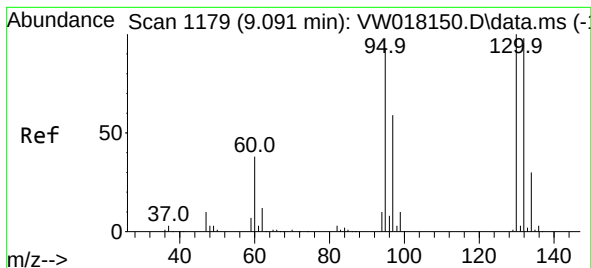
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 105.7 | 81.2  | 150.8 |
| 86  | 66.4  | 44.5  | 82.7  |



#34  
Benzene  
Concen: 20.78 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VW018160.D  
Acq: 16 Feb 2021 14:15

Tgt Ion: 78 Resp: 484293



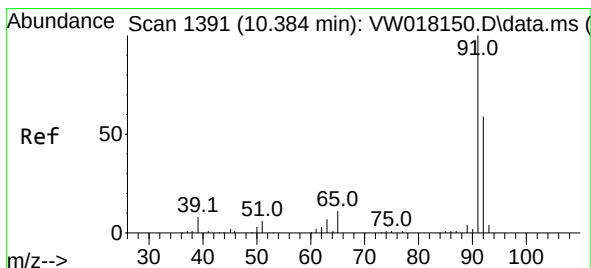
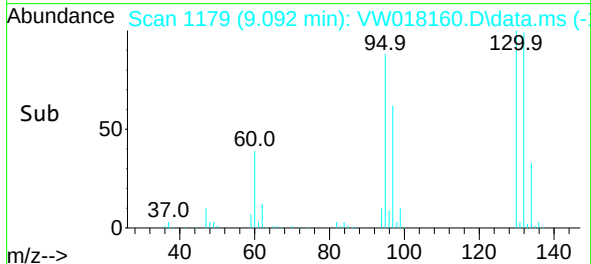
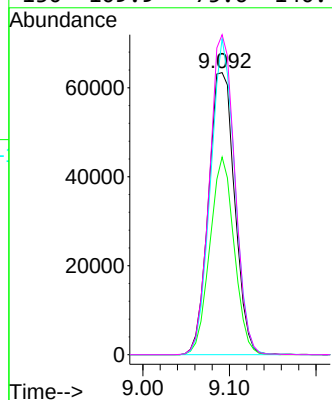
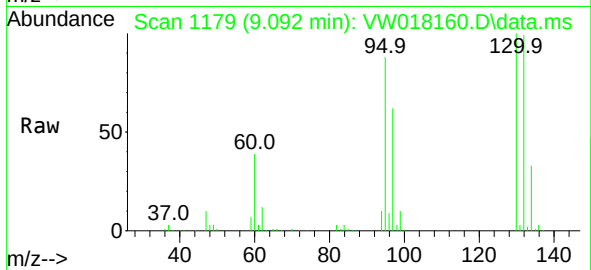


#35  
Trichloroethene  
Concen: 20.26 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW018160.D  
Acq: 16 Feb 2021 14:15

Instrument :  
MSVOA\_W  
ClientSampled :  
DBG7MS

Tgt Ion: 95 Resp: 133005

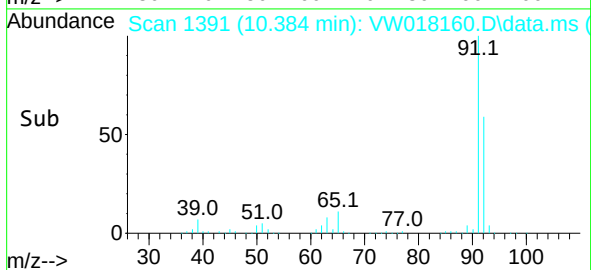
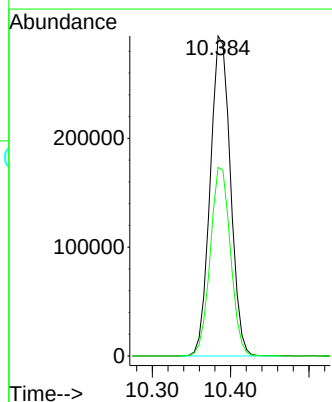
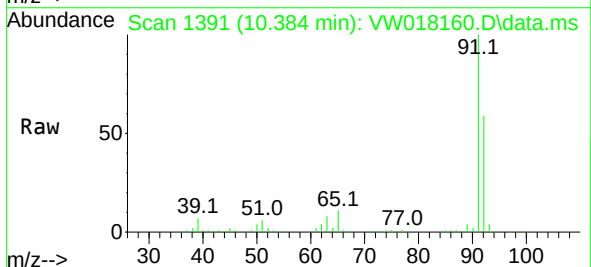
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.1  | 45.0  | 83.6  |
| 132 | 103.4 | 71.0  | 131.8 |
| 130 | 109.9 | 75.6  | 140.4 |

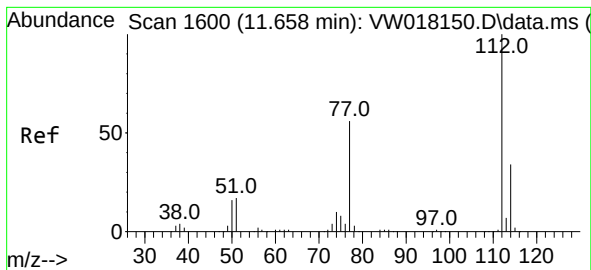


#44  
Toluene  
Concen: 20.53 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. 0.000 min  
Lab File: VW018160.D  
Acq: 16 Feb 2021 14:15

Tgt Ion: 91 Resp: 526412

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 59.0  | 41.6  | 77.3  |





#52  
Chlorobenzene  
Concen: 19.84 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VW018160.D  
Acq: 16 Feb 2021 14:15

Instrument :  
MSVOA\_W  
ClientSampleId :  
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Tgt Ion:112 Resp: 335179  
Ion Ratio Lower Upper  
112 100  
77 54.8 42.6 64.0  
114 31.5 21.6 40.2

