

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW021521\  
 Data File : VW018129.D  
 Acq On : 15 Feb 2021 12:40  
 Operator : SY/VA  
 Sample : M1370-22MSD  
 Misc : 6.14G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DBGZ8MSD

Quant Time: Feb 16 02:22:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM012921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Feb 16 02:20:15 2021  
 Response via : Initial Calibration

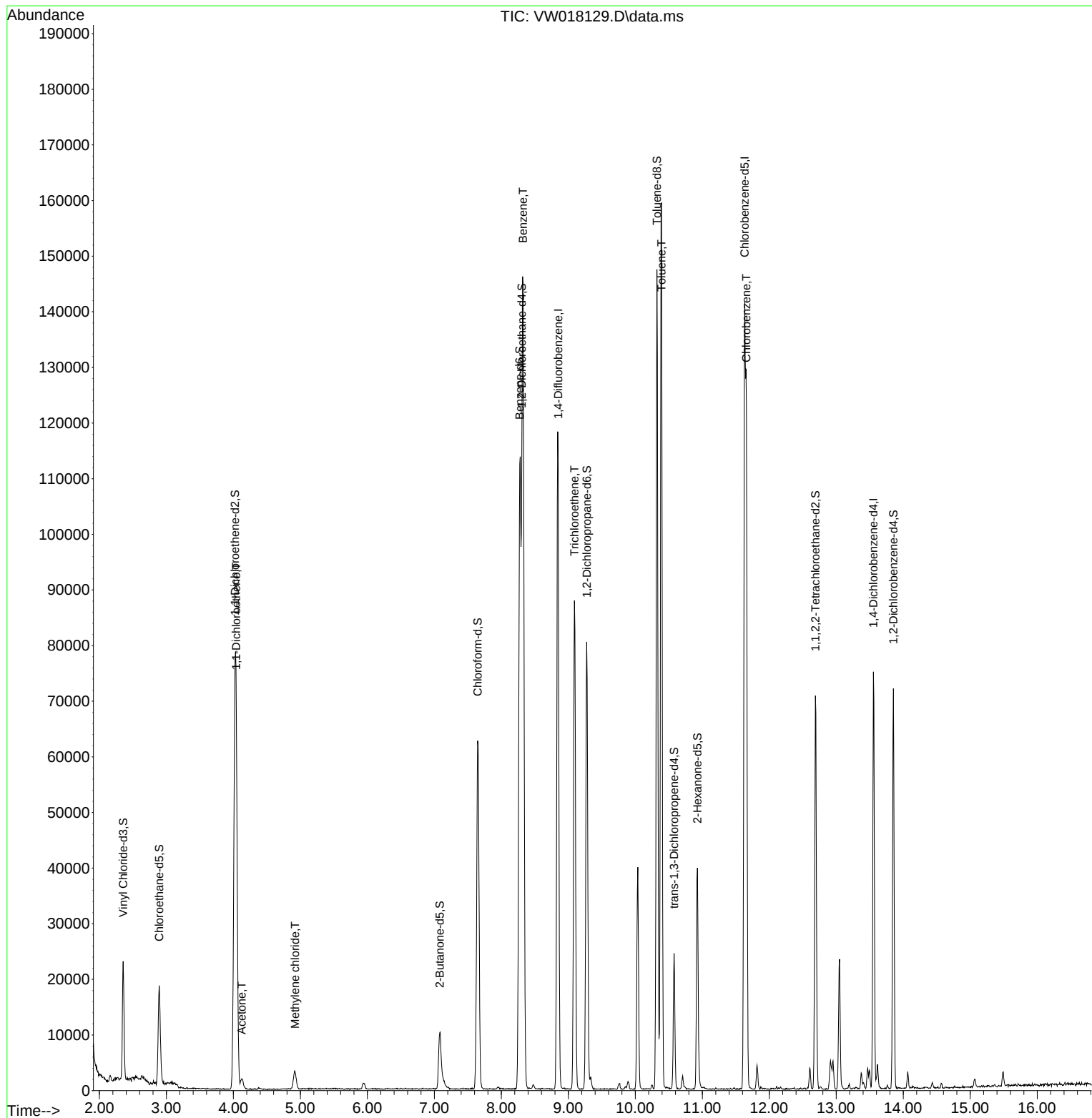
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 107986   | 25.00    | ug/L   | 0.01     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 77166    | 25.00    | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 20461    | 25.00    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 22116    | 16.48    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 65.92%   |
| 7) Chloroethane-d5            | 2.892  | 69    | 22744    | 21.35    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 85.40%   |
| 10) 1,1-Dichloroethene-d2     | 4.025  | 63    | 56931    | 21.22    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 84.88%   |
| 20) 2-Butanone-d5             | 7.080  | 46    | 18100    | 50.54    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 101.08%  |
| 24) Chloroform-d              | 7.647  | 84    | 67662    | 23.88    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 95.52%   |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 37425    | 24.79    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 99.16%   |
| 29) Benzene-d6                | 8.275  | 84    | 125468   | 29.61    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 118.44%  |
| 33) 1,2-Dichloropropane-d6    | 9.274  | 67    | 37912    | 31.99    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 127.96%# |
| 37) Toluene-d8                | 10.323 | 98    | 100894   | 25.03    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 100.12%  |
| 38) trans-1,3-Dichloroprop... | 10.579 | 79    | 13976    | 26.02    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 104.08%  |
| 39) 2-Hexanone-d5             | 10.927 | 63    | 14558    | 64.25    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 128.50%  |
| 48) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 32054    | 30.79    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 123.16%# |
| 61) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 20354    | 27.89    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 111.56%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 31466    | 21.81    | ug/L   | 82       |
| 13) Acetone                   | 4.123  | 43    | 3661     | 13.82    | ug/L   | 74       |
| 16) Methylene chloride        | 4.922  | 84    | 2656     | 1.53     | ug/L # | 76       |
| 34) Benzene                   | 8.323  | 78    | 129115   | 28.63    | ug/L   | 100      |
| 35) Trichloroethene           | 9.092  | 95    | 31586    | 24.85    | ug/L   | 98       |
| 44) Toluene                   | 10.390 | 91    | 124291   | 25.04    | ug/L   | 98       |
| 52) Chlorobenzene             | 11.658 | 112   | 66392    | 20.30    | ug/L   | 93       |
| -----                         |        |       |          |          |        |          |

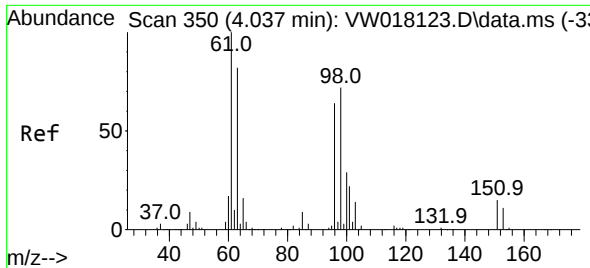
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Feb 16 02:20:15 2021  
Response via : Initial Calibration

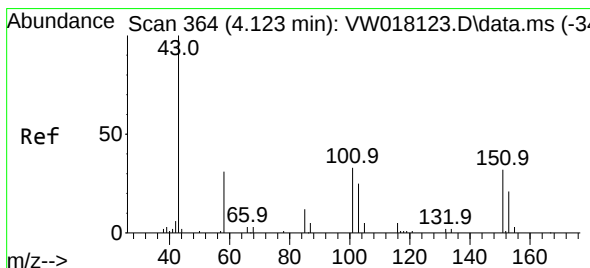
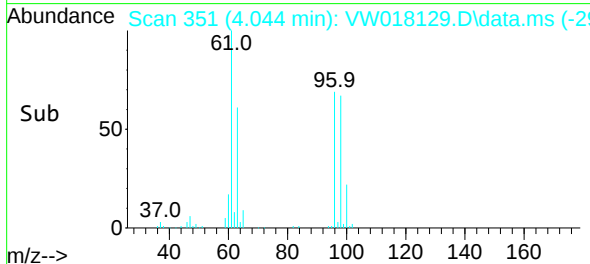
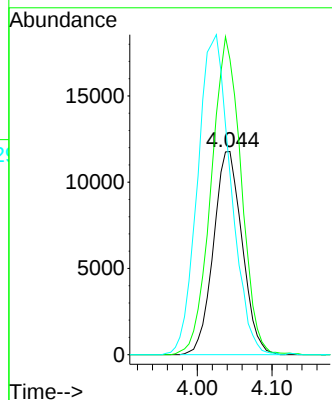
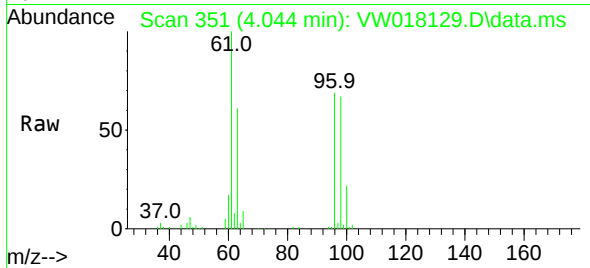




#12  
1,1-Dichloroethene  
Concen: 21.81 ug/L  
RT: 4.044 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VW018129.D  
Acq: 15 Feb 2021 12:40

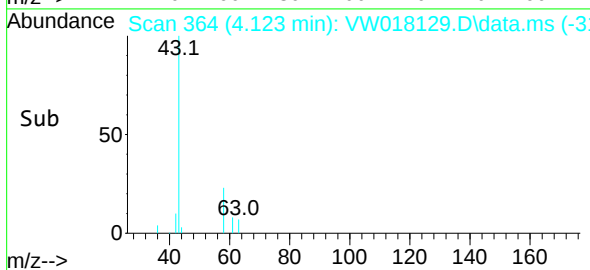
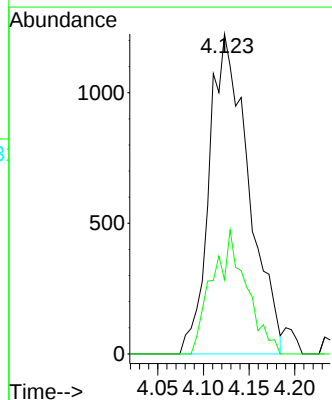
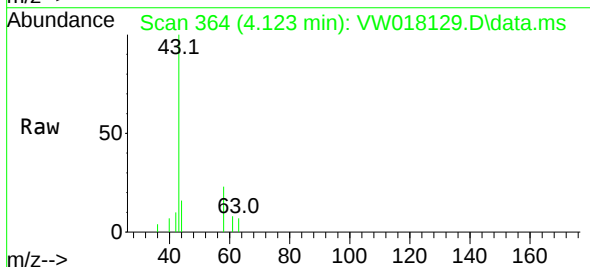
Instrument :  
MSVOA\_W  
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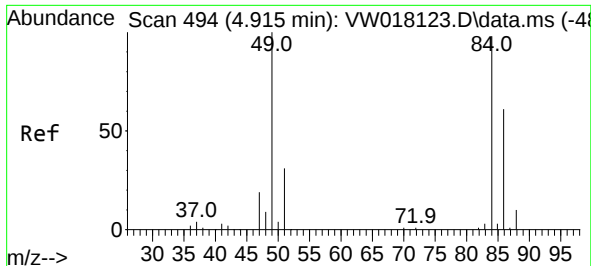
Tgt Ion: 96 Resp: 31466  
Ion Ratio Lower Upper  
96 100  
61 145.4 112.5 208.9  
63 89.2 83.1 154.3



#13  
Acetone  
Concen: 13.82 ug/L  
RT: 4.123 min Scan# 364  
Delta R.T. 0.000 min  
Lab File: VW018129.D  
Acq: 15 Feb 2021 12:40

Tgt Ion: 43 Resp: 3661  
Ion Ratio Lower Upper  
43 100  
58 19.0 0.0 68.4

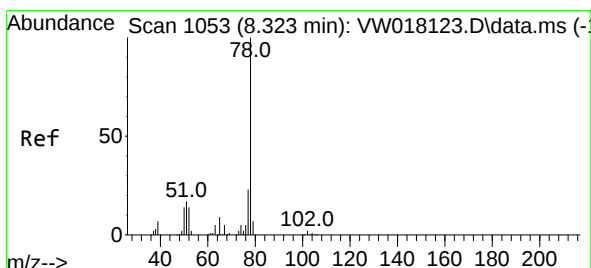
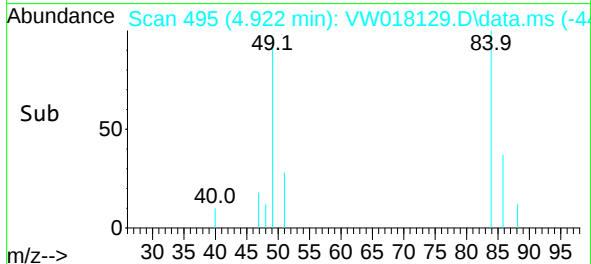
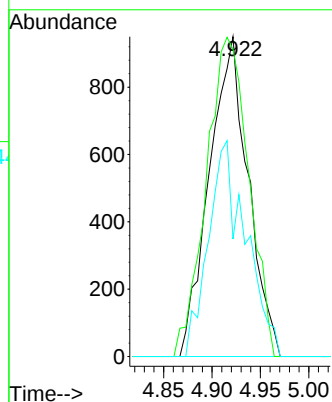
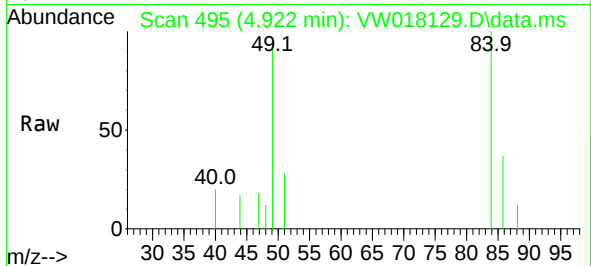




#16  
Methylene chloride  
Concen: 1.53 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. 0.006 min  
Lab File: VW018129.D  
Acq: 15 Feb 2021 12:40

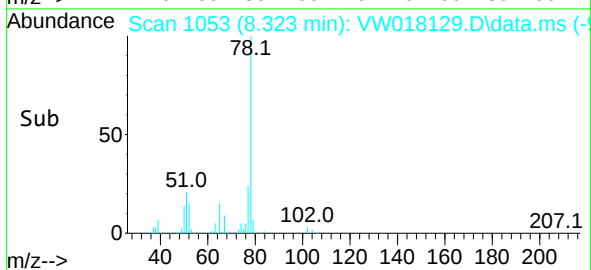
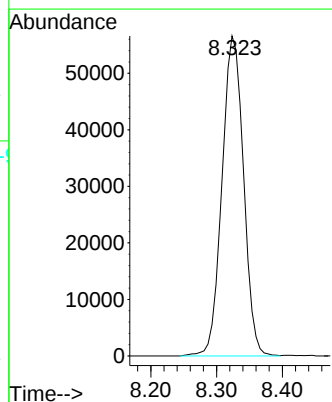
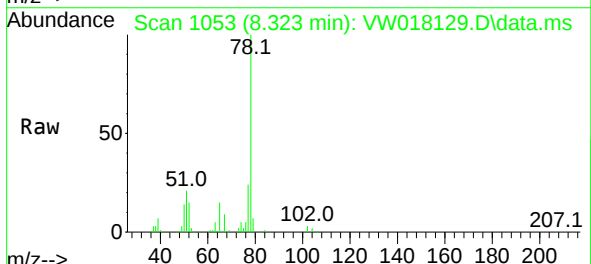
Instrument :  
MSVOA\_W  
ClientSampleId :  
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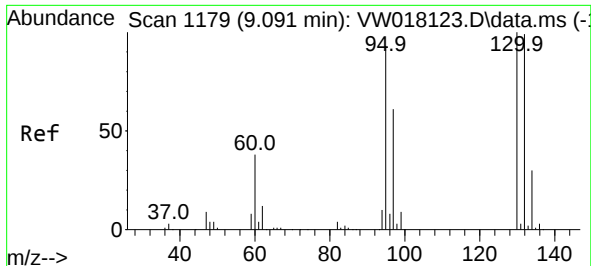
Tgt Ion: 84 Resp: 2656  
Ion Ratio Lower Upper  
84 100  
49 96.1 81.2 150.8  
86 36.7 44.5 82.7#



#34  
Benzene  
Concen: 28.63 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VW018129.D  
Acq: 15 Feb 2021 12:40

Tgt Ion: 78 Resp: 129115



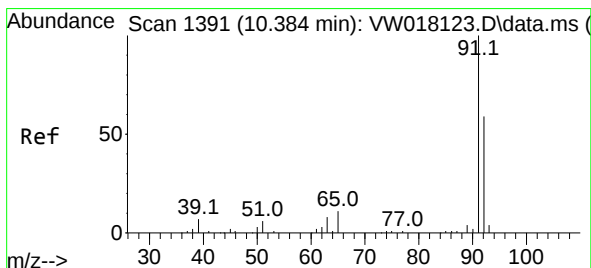
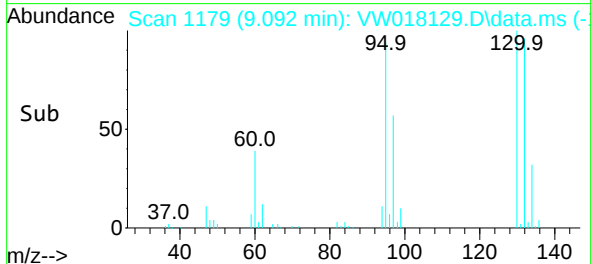
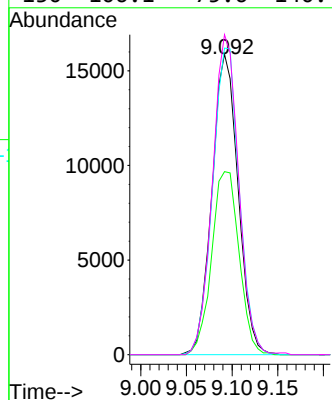
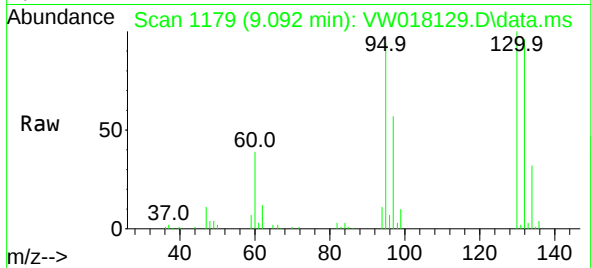


#35  
Trichloroethene  
Concen: 24.85 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW018129.D  
Acq: 15 Feb 2021 12:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBGZ8MSD

Tgt Ion: 95 Resp: 31586

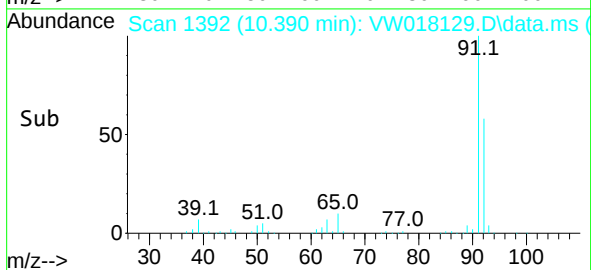
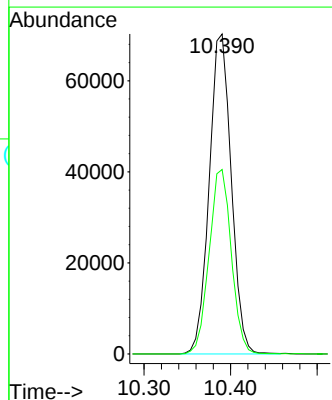
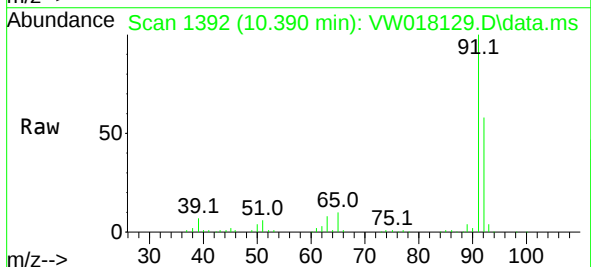
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.9  | 45.0  | 83.6  |
| 132 | 103.7 | 71.0  | 131.8 |
| 130 | 106.1 | 75.6  | 140.4 |

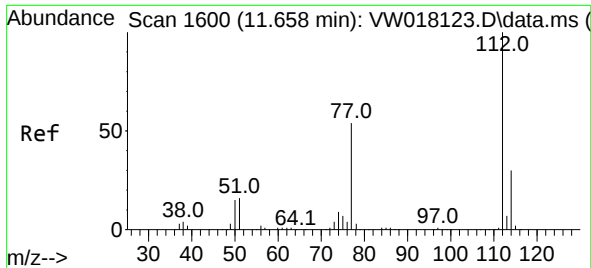


#44  
Toluene  
Concen: 25.04 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. 0.006 min  
Lab File: VW018129.D  
Acq: 15 Feb 2021 12:40

Tgt Ion: 91 Resp: 124291

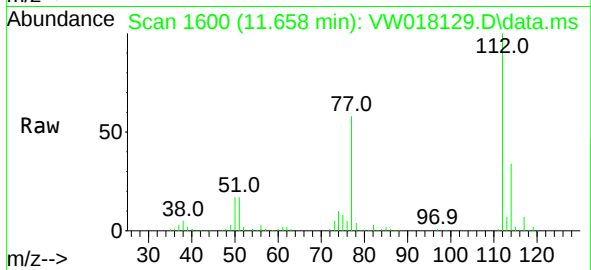
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 57.6  | 41.6  | 77.3  |





#52  
 Chlorobenzene  
 Concen: 20.30 ug/L  
 RT: 11.658 min Scan# 1600  
 Delta R.T. 0.000 min  
 Lab File: VW018129.D  
 Acq: 15 Feb 2021 12:40

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 66392 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 77        | 58.3  | 42.6  | 64.0  |
| 114       | 34.2  | 21.6  | 40.2  |

