

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111023\  
 Data File : VW032912.D  
 Acq On : 10 Nov 2023 23:52  
 Operator : SY/MD  
 Sample : 05296-13 10X  
 Misc : 6.08gm/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH3S8

Quant Time: Nov 11 01:31:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM103123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 08 01:37:19 2023  
 Response via : Initial Calibration

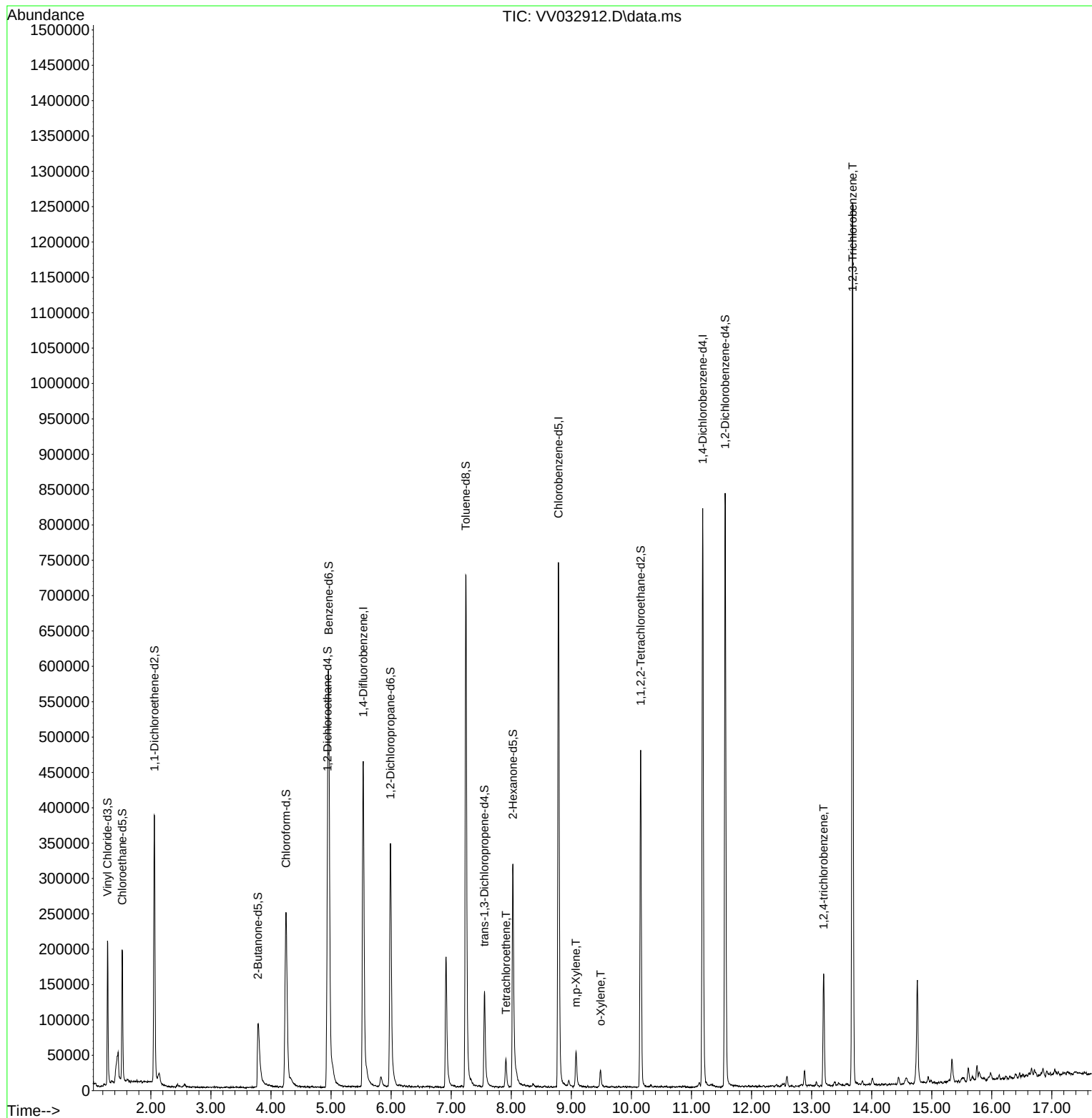
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535   | 114   | 426940   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786   | 117   | 420142   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188  | 152   | 208288   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 134461   | 33.112   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 66.220%  |
| 7) Chloroethane-d5            | 1.523   | 69    | 124393   | 36.627   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 73.260%  |
| 11) 1,1-Dichloroethene-d2     | 2.060   | 65    | 62501    | 37.263   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 74.520%  |
| 21) 2-Butanone-d5             | 3.783   | 46    | 134697   | 76.473   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 76.470%  |
| 24) Chloroform-d              | 4.249   | 84    | 264805   | 40.854   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 81.700%  |
| 26) 1,2-Dichloroethane-d4     | 4.940   | 65    | 170030   | 42.208   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 84.420%  |
| 32) Benzene-d6                | 4.960   | 84    | 558473   | 51.699   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 103.400% |
| 36) 1,2-Dichloropropane-d6    | 5.989   | 67    | 169785   | 51.734   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 103.460% |
| 41) Toluene-d8                | 7.243   | 98    | 497420   | 46.764   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.520%  |
| 43) trans-1,3-Dichloroprop... | 7.554   | 79    | 80527    | 47.113   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 94.220%  |
| 47) 2-Hexanone-d5             | 8.027   | 63    | 105777   | 88.286   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 88.290%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156  | 84    | 220829   | 44.342   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 88.680%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.561  | 152   | 208931   | 52.053   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 104.100% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 46) Tetrachloroethene         | 7.911   | 164   | 9524     | 3.404    | ug/L   | 90       |
| 53) m,p-Xylene                | 9.079   | 106   | 16031    | 3.010    | ug/L   | 92       |
| 54) o-Xylene                  | 9.487   | 106   | 6614     | 1.282    | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 13.201  | 180   | 47519    | 11.566   | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.683  | 180   | 360614   | 87.913   | ug/L   | 99       |
| -----                         |         |       |          |          |        |          |

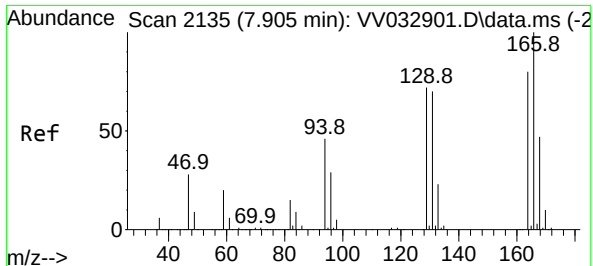
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 33 Sample Multiplier: 1

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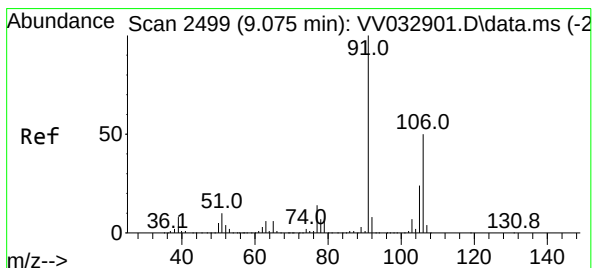
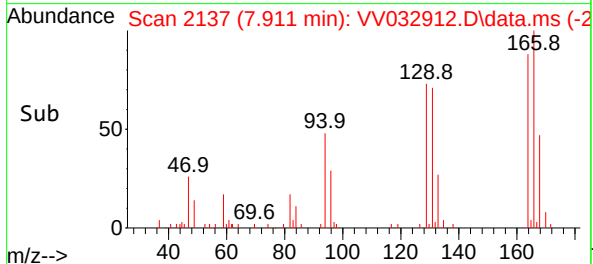
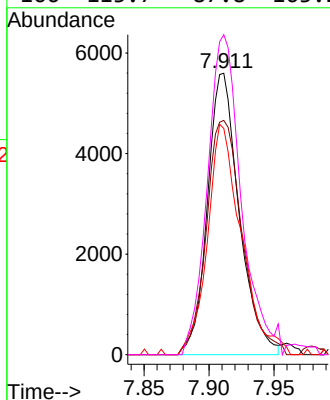
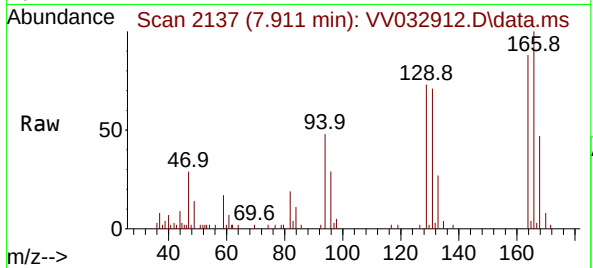




#46  
Tetrachloroethene  
Concen: 3.404 ug/L  
RT: 7.911 min Scan# 2137  
Delta R.T. 0.006 min  
Lab File: VV032912.D  
Acq: 10 Nov 2023 23:52

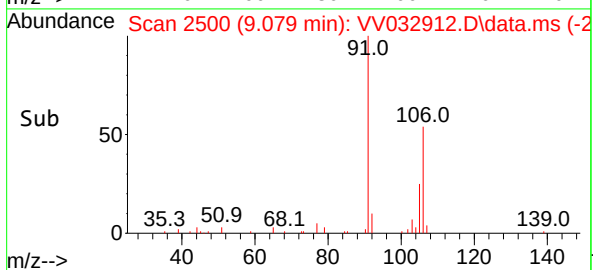
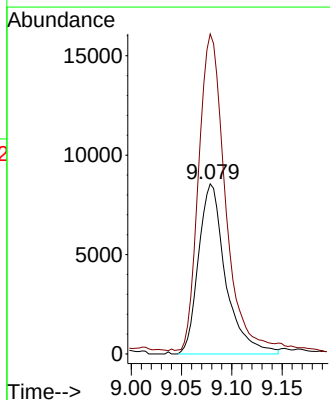
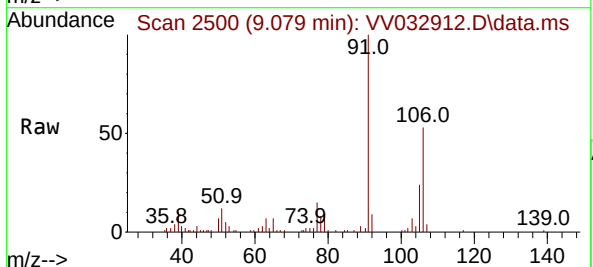
Instrument :  
MSVOA\_V  
ClientSampleId :  
BH3S8

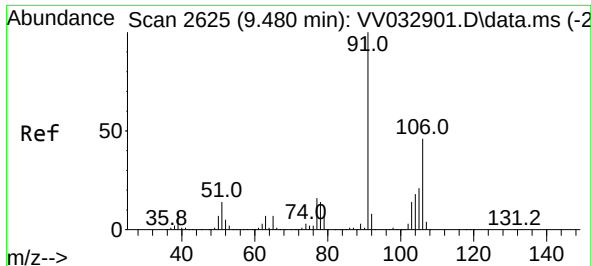
Tgt Ion:164 Resp: 9524  
Ion Ratio Lower Upper  
164 100  
129 85.6 65.3 121.3  
131 80.4 65.0 120.8  
166 113.7 87.8 163.2



#53  
m,p-Xylene  
Concen: 3.010 ug/L  
RT: 9.079 min Scan# 2500  
Delta R.T. 0.003 min  
Lab File: VV032912.D  
Acq: 10 Nov 2023 23:52

Tgt Ion:106 Resp: 16031  
Ion Ratio Lower Upper  
106 100  
91 188.2 139.7 259.5

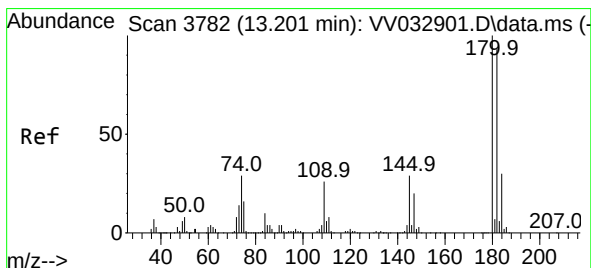
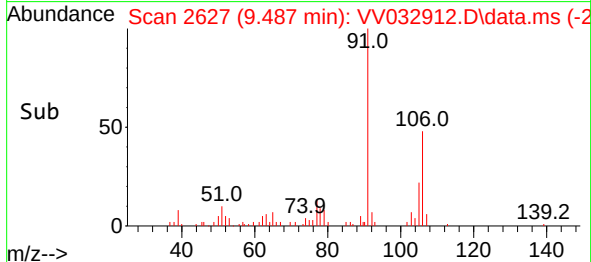
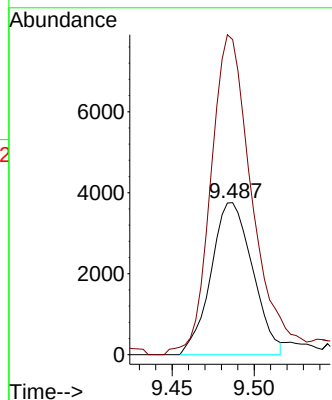
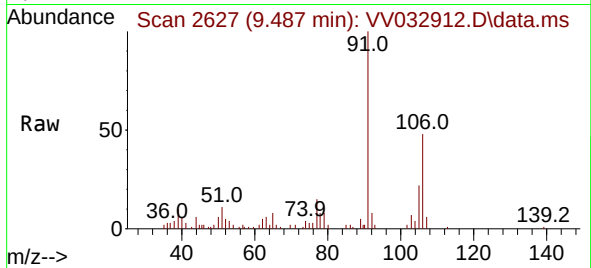




#54  
o-Xylene  
Concen: 1.282 ug/L  
RT: 9.487 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VV032912.D  
Acq: 10 Nov 2023 23:52

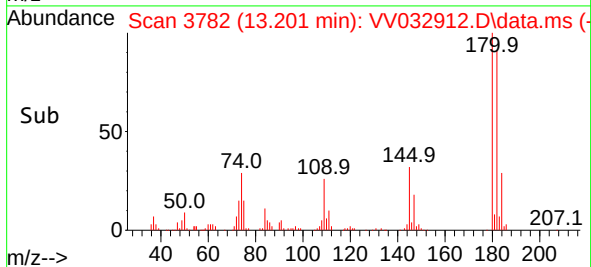
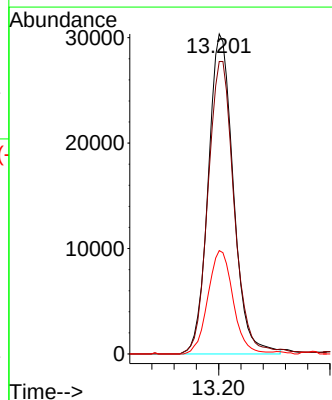
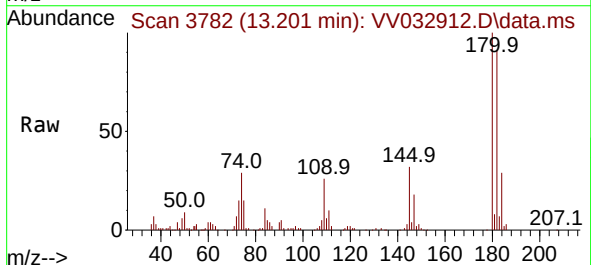
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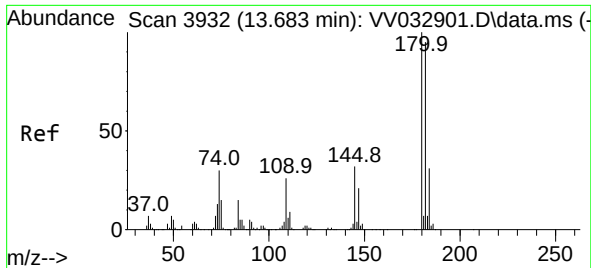
Tgt Ion:106 Resp: 6614  
Ion Ratio Lower Upper  
106 100  
91 207.2 151.0 280.4



#70  
1,2,4-trichlorobenzene  
Concen: 11.566 ug/L  
RT: 13.201 min Scan# 3782  
Delta R.T. -0.000 min  
Lab File: VV032912.D  
Acq: 10 Nov 2023 23:52

Tgt Ion:180 Resp: 47519  
Ion Ratio Lower Upper  
180 100  
182 94.4 76.9 115.3  
145 32.4 24.7 37.1





#72  
 1,2,3-Trichlorobenzene  
 Concen: 87.913 ug/L  
 RT: 13.683 min Scan# 3932  
 Delta R.T. -0.000 min  
 Lab File: VV032912.D  
 Acq: 10 Nov 2023 23:52

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH3S8

Tgt Ion:180 Resp: 360614  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 96.2  | 76.2  | 114.4 |
| 145 | 32.9  | 25.8  | 38.8  |

