

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042321\  
 Data File : VV021116.D  
 Acq On : 23 Apr 2021 13:54  
 Operator : SY/MD  
 Sample : M2144-05DL 200X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0GH5DL

Quant Time: Apr 24 03:44:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM042121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 24 03:42:40 2021  
 Response via : Initial Calibration

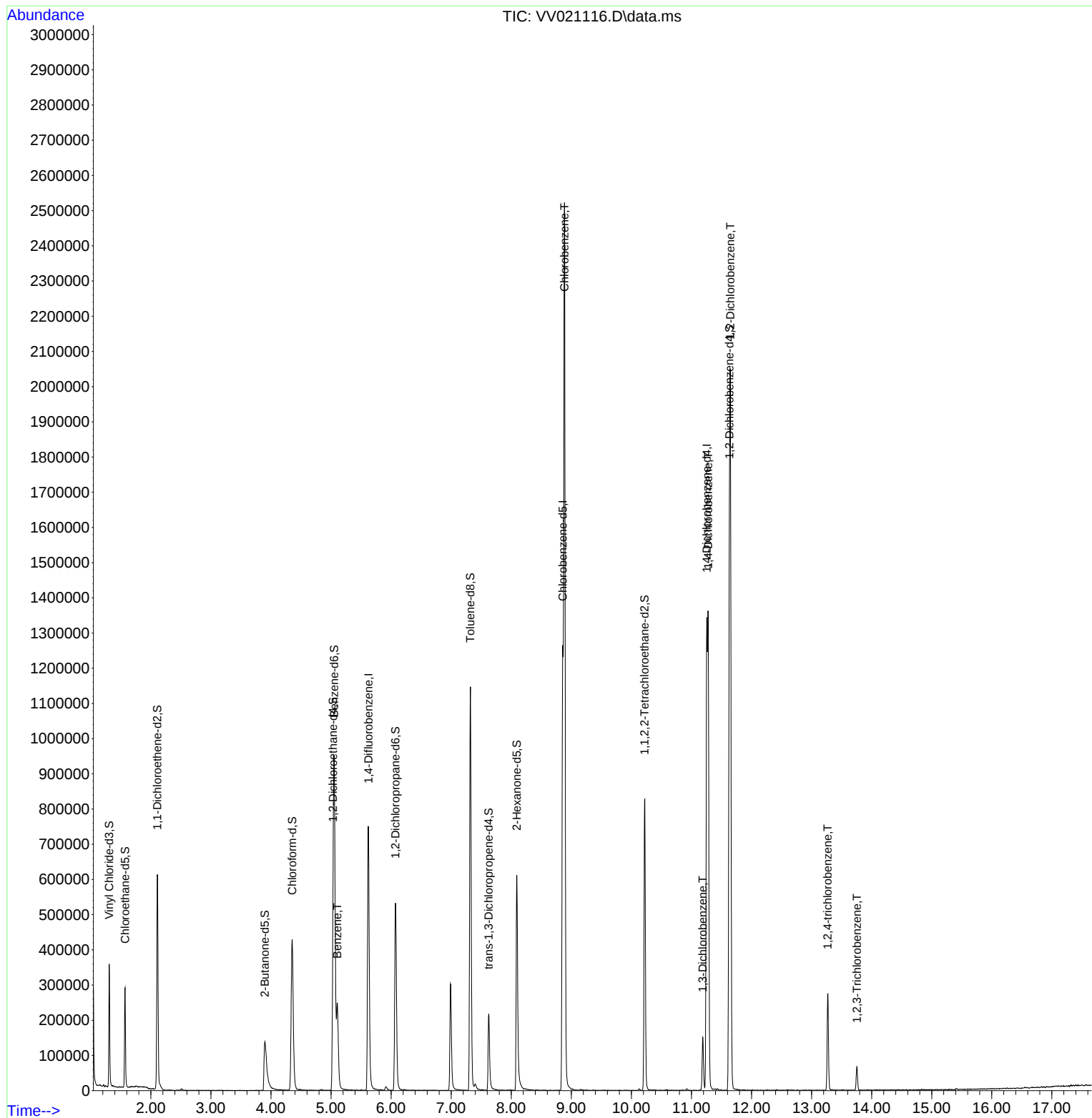
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.622   | 114   | 654263   | 50.00    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.857   | 117   | 642760   | 50.00    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.255  | 152   | 327012   | 50.00    | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307   | 65    | 210878   | 39.23    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 78.46%   |
| 7) Chloroethane-d5            | 1.571   | 69    | 177631   | 44.91    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 89.82%   |
| 11) 1,1-Dichloroethene-d2     | 2.108   | 63    | 319225   | 32.19    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 64.38%   |
| 21) 2-Butanone-d5             | 3.899   | 46    | 275381   | 104.90   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 104.90%  |
| 24) Chloroform-d              | 4.352   | 84    | 442510   | 46.17    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.34%   |
| 26) 1,2-Dichloroethane-d4     | 5.034   | 65    | 303889   | 49.88    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.76%   |
| 32) Benzene-d6                | 5.053   | 84    | 816991   | 47.73    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.46%   |
| 36) 1,2-Dichloropropane-d6    | 6.072   | 67    | 247402   | 48.42    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 96.84%   |
| 41) Toluene-d8                | 7.320   | 98    | 762682   | 46.04    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 92.08%   |
| 43) trans-1,3-Dichloroprop... | 7.625   | 79    | 130405   | 46.70    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.40%   |
| 47) 2-Hexanone-d5             | 8.092   | 63    | 217572   | 107.36   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 107.36%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.220  | 84    | 363457   | 47.16    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 94.32%   |
| 66) 1,2-Dichlorobenzene-d4    | 11.632  | 152   | 327763   | 50.74    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 101.48%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 33) Benzene                   | 5.105   | 78    | 239852   | 13.39    | ug/L   | 100      |
| 51) Chlorobenzene             | 8.886   | 112   | 1312651  | 97.03    | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.188  | 146   | 63551    | 6.53     | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.278  | 146   | 513361   | 51.31    | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.648  | 146   | 663360   | 65.99    | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.268  | 180   | 83380    | 13.43    | ug/L   | 96       |
| 72) 1,2,3-Trichlorobenzene    | 13.754  | 180   | 19368    | 3.06     | ug/L   | 93       |
| -----                         |         |       |          |          |        |          |

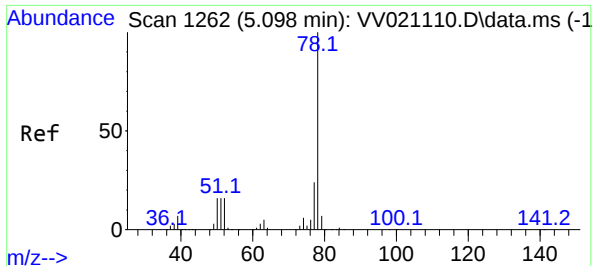
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#33

Benzene

Concen: 13.39 ug/L

RT: 5.105 min Scan# 1264

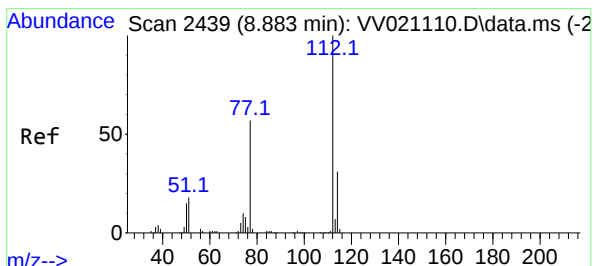
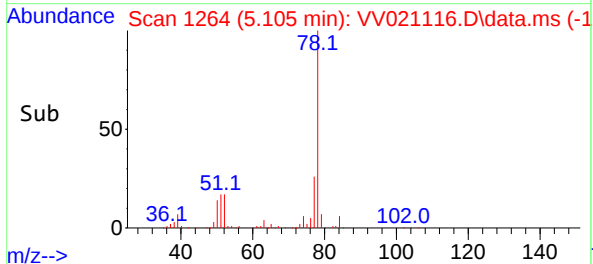
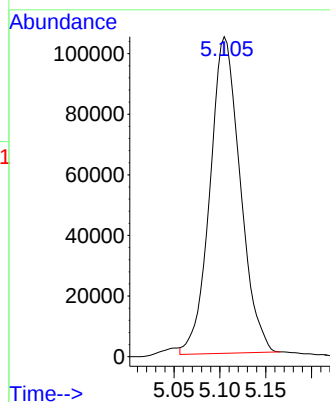
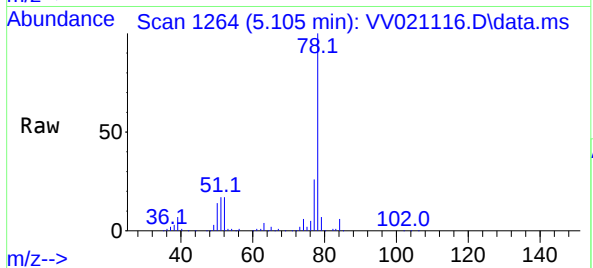
Delta R.T. 0.006 min

Lab File: VV021116.D

Acq: 23 Apr 2021 13:54

Tgt Ion: 78 Resp: 239852

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0GH5DL



#51

Chlorobenzene

Concen: 97.03 ug/L

RT: 8.886 min Scan# 2440

Delta R.T. 0.003 min

Lab File: VV021116.D

Acq: 23 Apr 2021 13:54

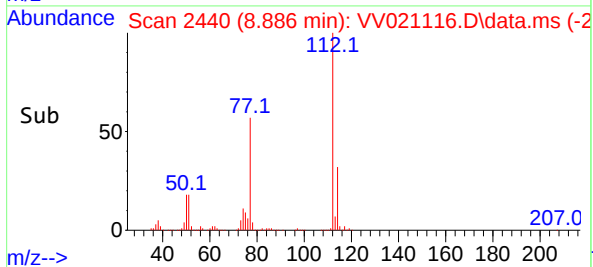
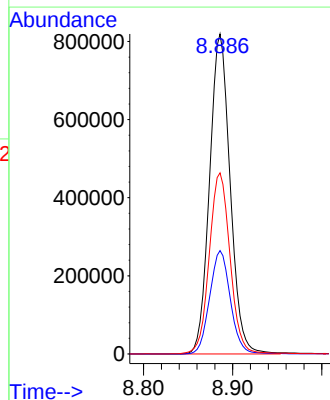
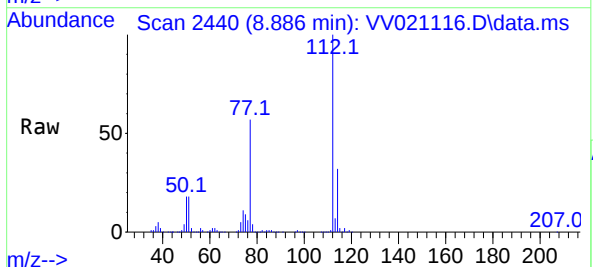
Tgt Ion: 112 Resp: 1312651

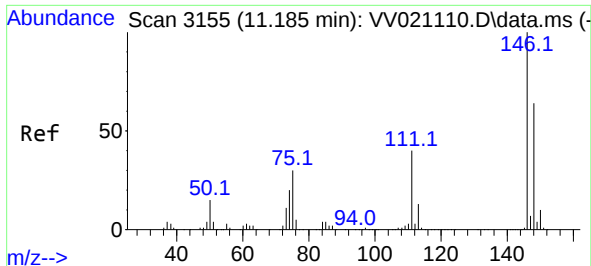
Ion Ratio Lower Upper

112 100

114 32.3 22.8 42.4

77 56.6 44.2 66.2

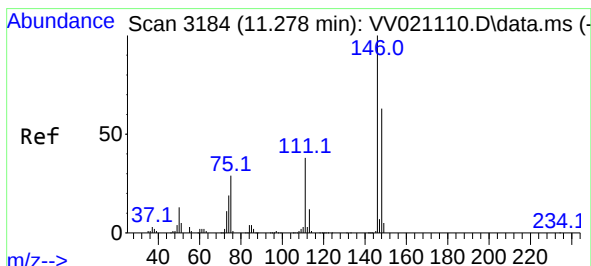
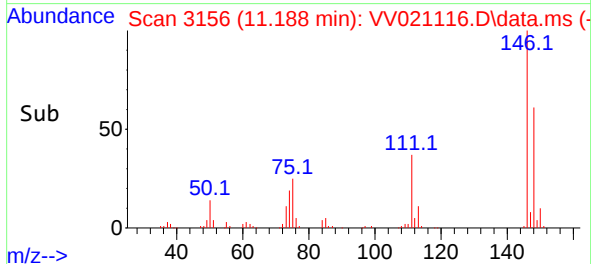
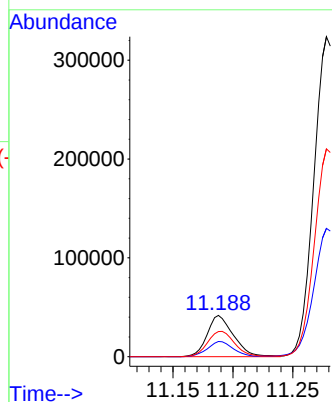
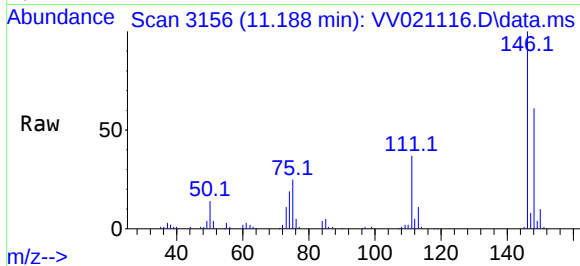




#64  
1,3-Dichlorobenzene  
Concen: 6.53 ug/L  
RT: 11.188 min Scan# 3156  
Delta R.T. 0.003 min  
Lab File: VV021116.D  
Acq: 23 Apr 2021 13:54

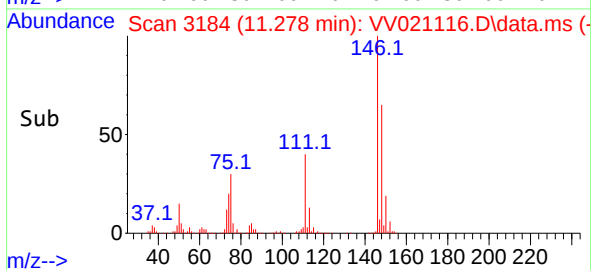
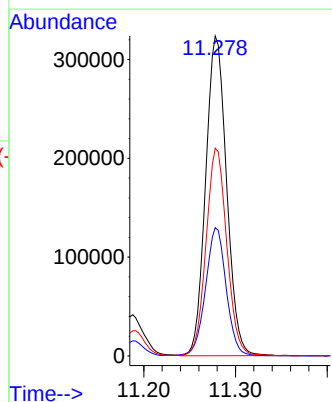
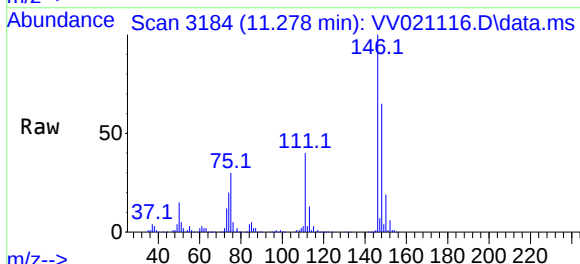
Instrument :  
MSVOA\_V  
ClientSampled :  
C0GH5DL

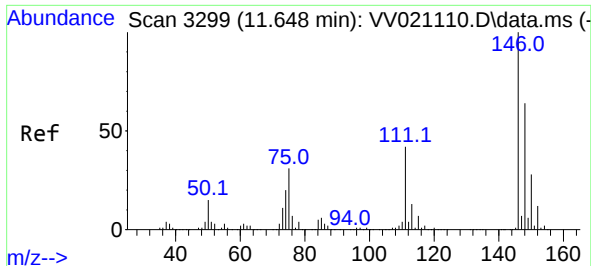
Tgt Ion:146 Resp: 63551  
Ion Ratio Lower Upper  
146 100  
111 36.6 27.6 51.2  
148 61.0 45.1 83.7



#65  
1,4-Dichlorobenzene  
Concen: 51.31 ug/L  
RT: 11.278 min Scan# 3184  
Delta R.T. 0.000 min  
Lab File: VV021116.D  
Acq: 23 Apr 2021 13:54

Tgt Ion:146 Resp: 513361  
Ion Ratio Lower Upper  
146 100  
111 40.1 26.3 48.9  
148 65.0 44.7 82.9

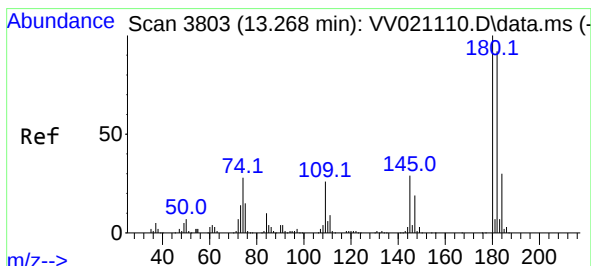
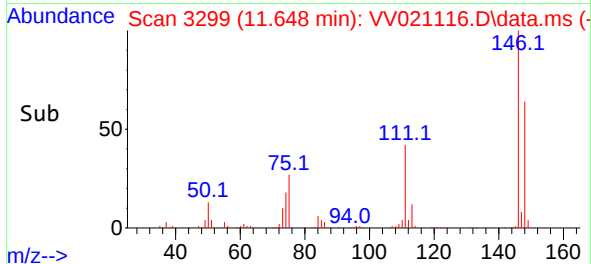
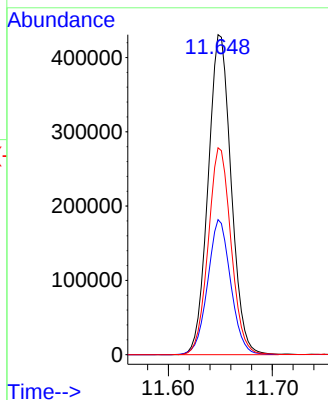
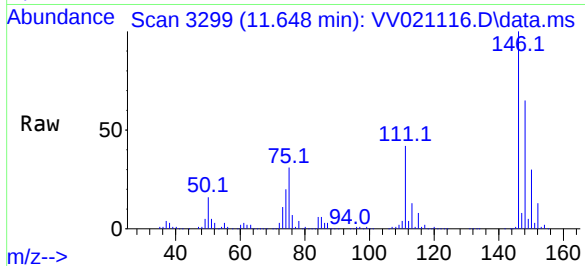




#67  
1,2-Dichlorobenzene  
Concen: 65.99 ug/L  
RT: 11.648 min Scan# 3299  
Delta R.T. 0.000 min  
Lab File: VV021116.D  
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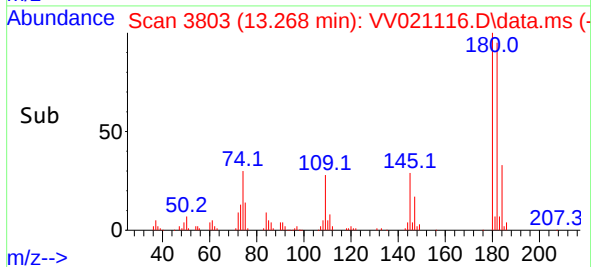
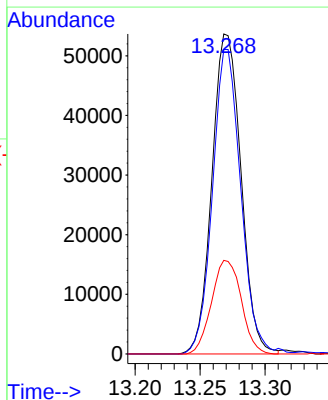
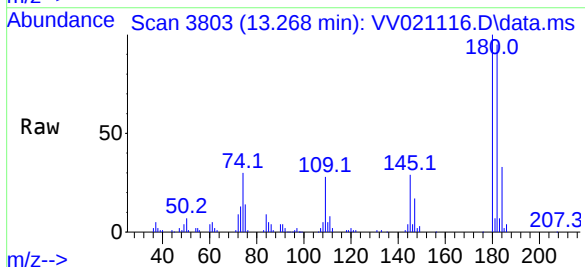
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MSVOA\_V  
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C0GH5DL

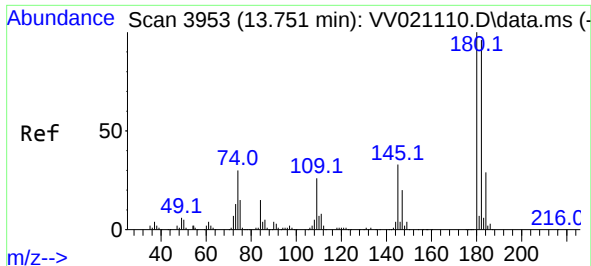
Tgt Ion:146 Resp: 663360  
Ion Ratio Lower Upper  
146 100  
111 42.2 33.2 49.8  
148 64.6 50.6 75.8



#70  
1,2,4-trichlorobenzene  
Concen: 13.43 ug/L  
RT: 13.268 min Scan# 3803  
Delta R.T. 0.000 min  
Lab File: VV021116.D  
Acq: 23 Apr 2021 13:54

Tgt Ion:180 Resp: 83380  
Ion Ratio Lower Upper  
180 100  
182 92.1 77.5 116.3  
145 29.9 24.3 36.5





#72  
 1,2,3-Trichlorobenzene  
 Concen: 3.06 ug/L  
 RT: 13.754 min Scan# 3954  
 Delta R.T. 0.003 min  
 Lab File: VV021116.D  
 Acq: 23 Apr 2021 13:54

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0GH5DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 19368 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 101.7 | 75.9  | 113.9 |
| 145      | 35.2  | 25.0  | 37.6  |

