

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW022422\  
 Data File : VW022140.D  
 Acq On : 24 Feb 2022 17:09  
 Operator : SY/VA  
 Sample : N1631-21  
 Misc : 5.64g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Feb 25 04:52:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022322SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Feb 25 04:49:00 2022  
 Response via : Initial Calibration

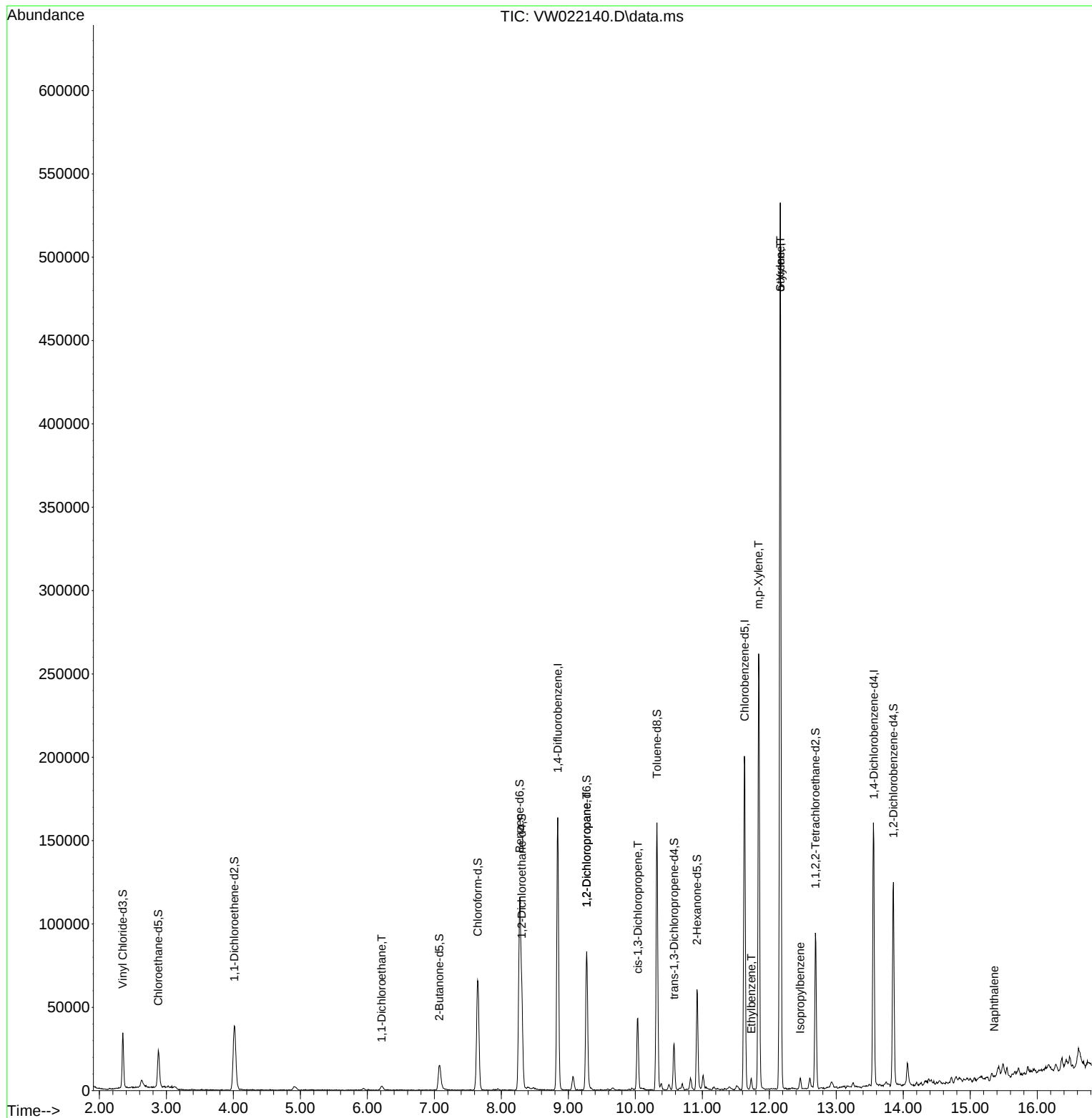
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 142156   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 119325   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 42992    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 29813    | 16.079   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 64.320%   |
| 7) Chloroethane-d5            | 2.879  | 69    | 24134    | 16.543   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 66.160%   |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63    | 36458    | 12.840   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 51.360%   |
| 21) 2-Butanone-d5             | 7.074  | 46    | 24455    | 78.445   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 156.880%# |
| 24) Chloroform-d              | 7.647  | 84    | 68388    | 21.562   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 86.240%   |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 39524    | 23.973   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 95.880%   |
| 32) Benzene-d6                | 8.275  | 84    | 120711   | 21.736   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 86.960%   |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 37970    | 24.620   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 98.480%   |
| 41) Toluene-d8                | 10.323 | 98    | 105586   | 19.124   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 76.480%   |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 15387    | 22.502   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 90.000%   |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 20471    | 80.705   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 161.400%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 42484    | 31.389   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 125.560%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 32896    | 23.823   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 95.280%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 3047     | 1.167    | ug/L   | 97        |
| 37) 1,2-Dichloropropane       | 9.274  | 63    | 4719     | 3.506    | ug/L   | 98        |
| 39) cis-1,3-Dichloropropene   | 10.036 | 75    | 1325     | 0.648    | ug/L # | 65        |
| 52) Ethylbenzene              | 11.731 | 91    | 4207     | 0.582    | ug/L   | 97        |
| 53) m,p-Xylene                | 11.841 | 106   | 73629    | 24.762   | ug/L   | 98        |
| 54) o-Xylene                  | 12.164 | 106   | 148385   | 53.036   | ug/L   | 94        |
| 55) Styrene                   | 12.164 | 104   | 7972     | 1.700    | ug/L # | 1         |
| 60) Isopropylbenzene          | 12.463 | 105   | 4084     | 0.791    | ug/L   | 95        |
| 71) Naphthalene               | 15.359 | 128   | 1873     | 0.763    | ug/L   | 95        |
| -----                         |        |       |          |          |        |           |

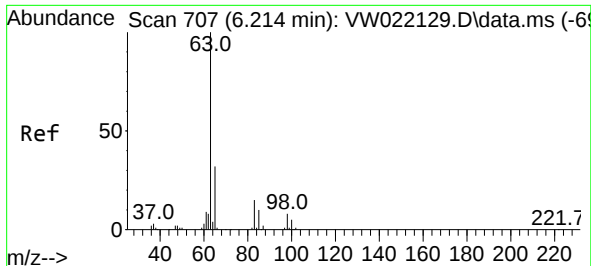
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#19

1,1-Dichloroethane

Concen: 1.167 ug/L

RT: 6.214 min Scan# 707

Delta R.T. -0.000 min

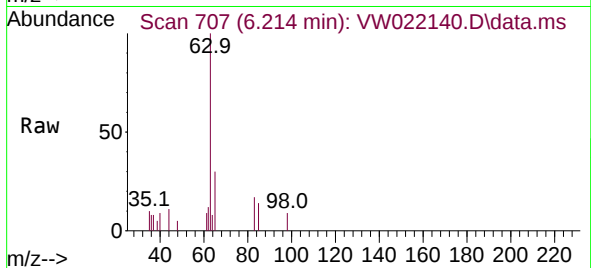
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Instrument :

MSVOA\_W

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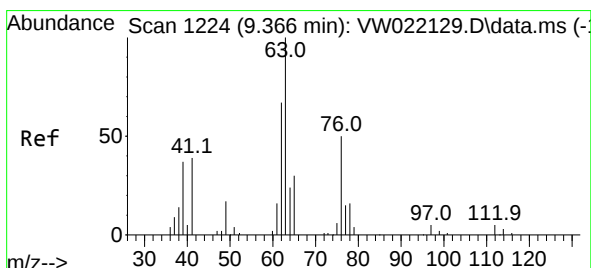
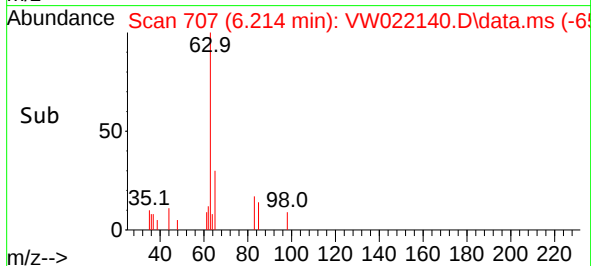
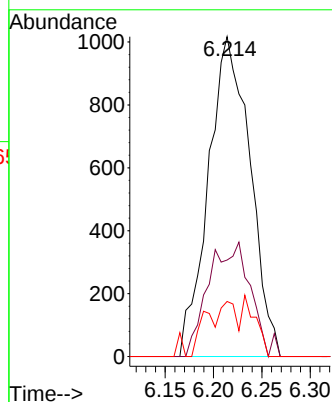
Tgt Ion: 63 Resp: 3047

Ion Ratio Lower Upper

63 100

65 30.2 22.5 41.9

83 17.2 11.5 21.5



#37

1,2-Dichloropropane

Concen: 3.506 ug/L

RT: 9.274 min Scan# 1209

Delta R.T. -0.092 min

Lab File: VW022140.D

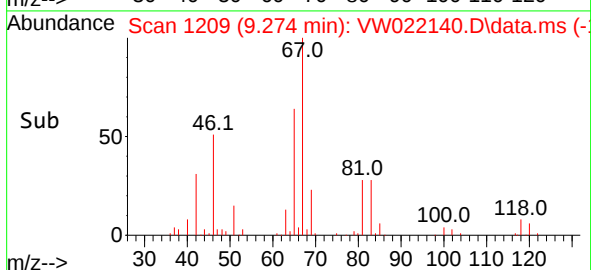
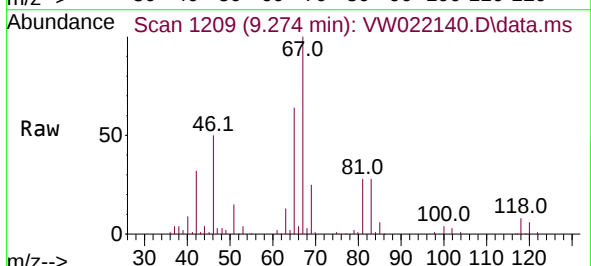
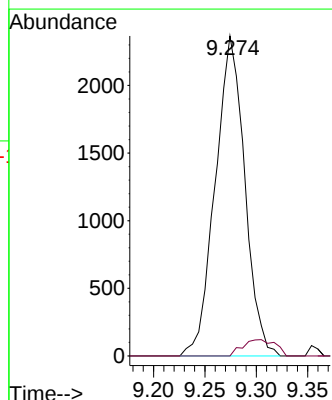
Acq: 24 Feb 2022 17:09

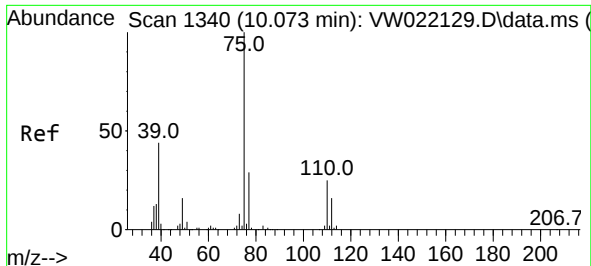
Tgt Ion: 63 Resp: 4719

Ion Ratio Lower Upper

63 100

112 5.6 4.1 6.1





#39

cis-1,3-Dichloropropene

Concen: 0.648 ug/L

RT: 10.036 min Scan# 11

Delta R.T. -0.037 min

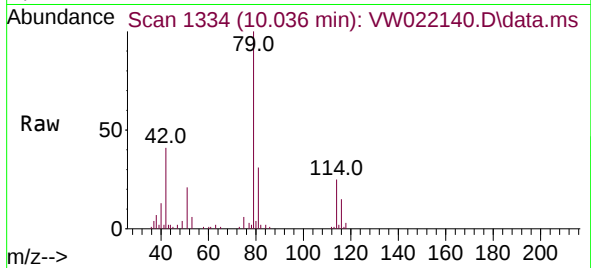
Lab File: VW022140.D

Acq: 24 Feb 2022 17:09

Instrument :

MSVOA\_W

ClientSampleId :

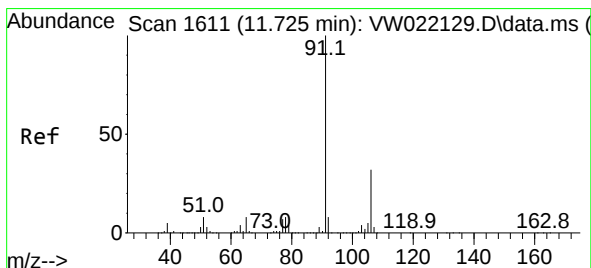
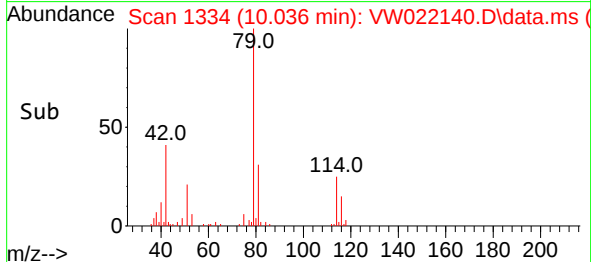
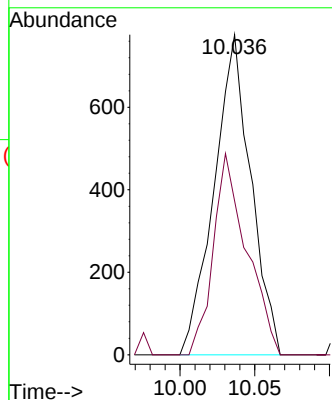


Tgt Ion: 75 Resp: 1325

Ion Ratio Lower Upper

75 100

77 48.1 20.6 38.2#



#52

Ethylbenzene

Concen: 0.582 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. 0.006 min

Lab File: VW022140.D

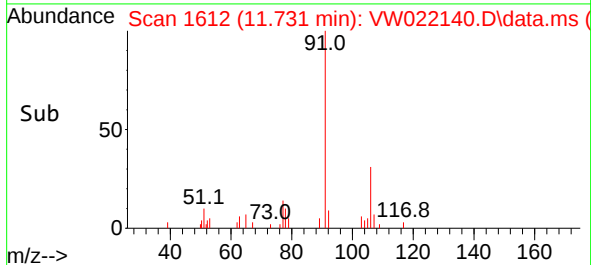
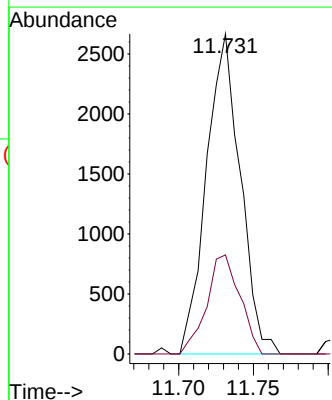
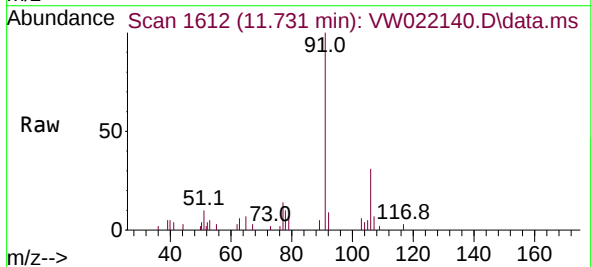
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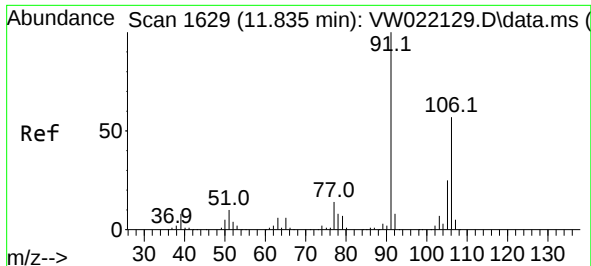
Tgt Ion: 91 Resp: 4207

Ion Ratio Lower Upper

91 100

106 30.9 22.8 42.4

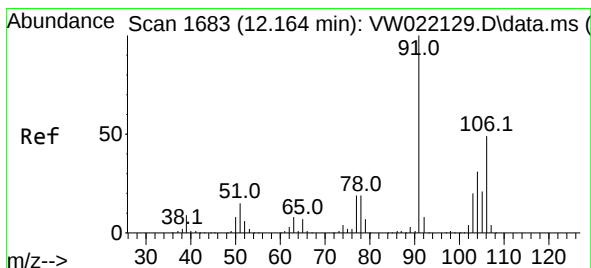
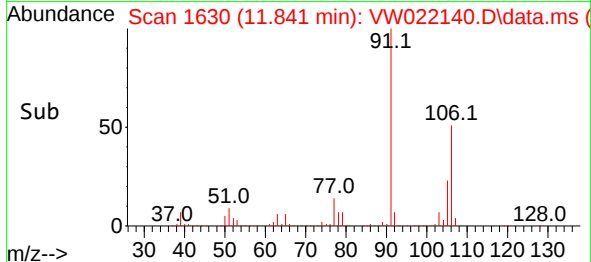
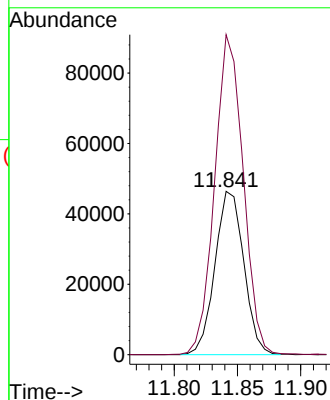
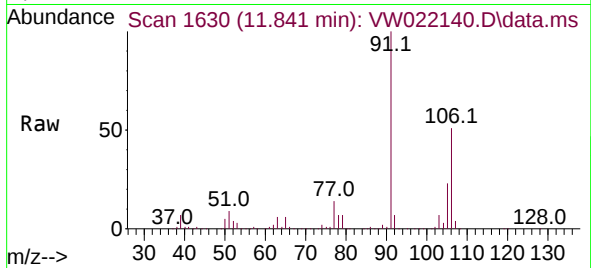




#53  
m,p-Xylene  
Concen: 24.762 ug/L  
RT: 11.841 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VW022140.D  
Acq: 24 Feb 2022 17:09

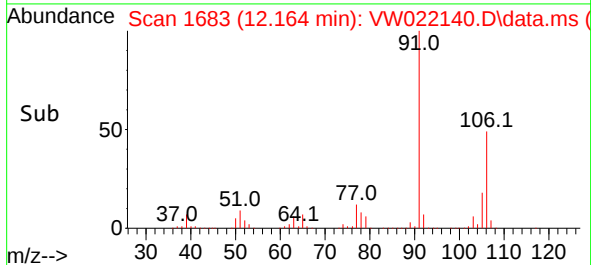
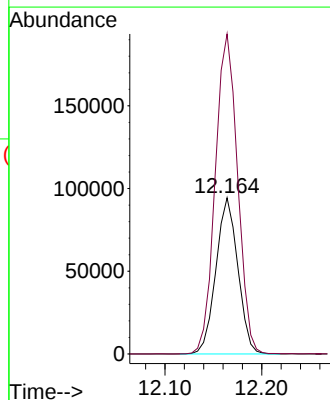
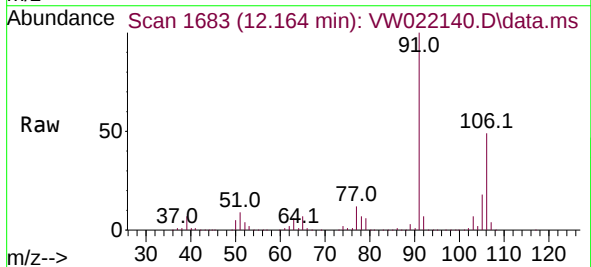
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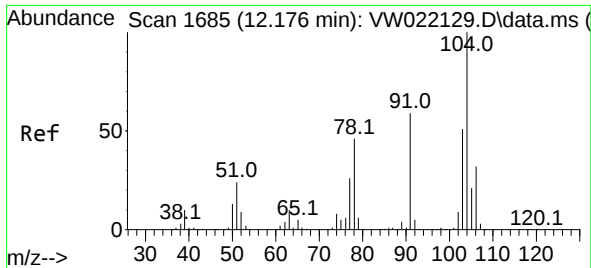
Tgt Ion:106 Resp: 73629  
Ion Ratio Lower Upper  
106 100  
91 195.9 135.0 250.8



#54  
o-Xylene  
Concen: 53.036 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW022140.D  
Acq: 24 Feb 2022 17:09

Tgt Ion:106 Resp: 148385  
Ion Ratio Lower Upper  
106 100  
91 204.9 136.9 254.3

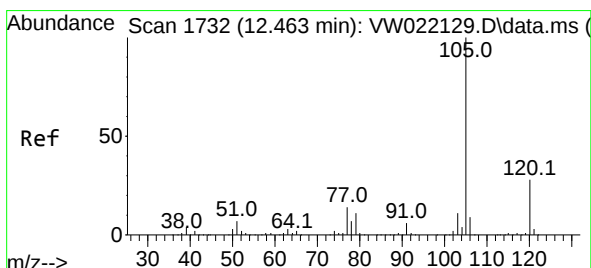
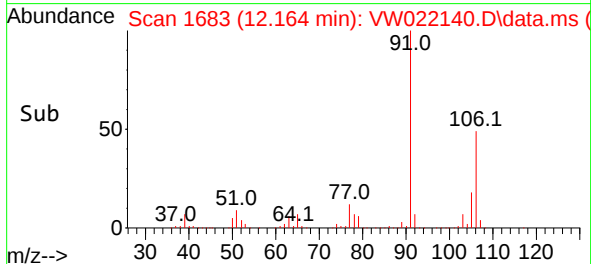
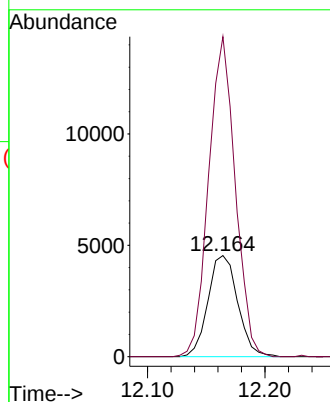
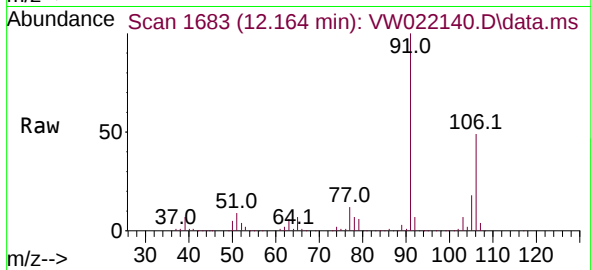




#55  
Styrene  
Concen: 1.700 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.012 min  
Lab File: VW022140.D  
Acq: 24 Feb 2022 17:09

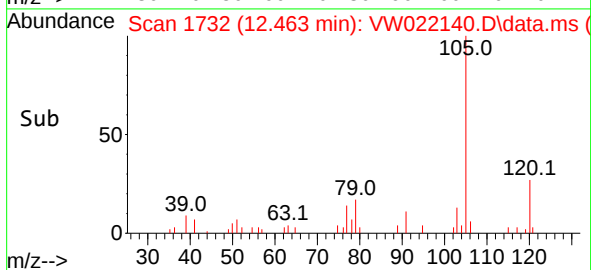
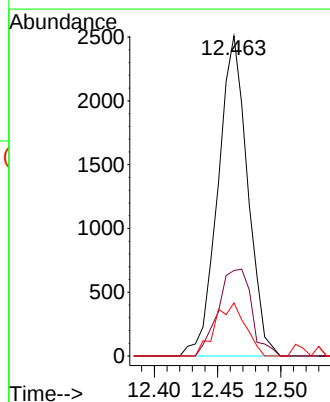
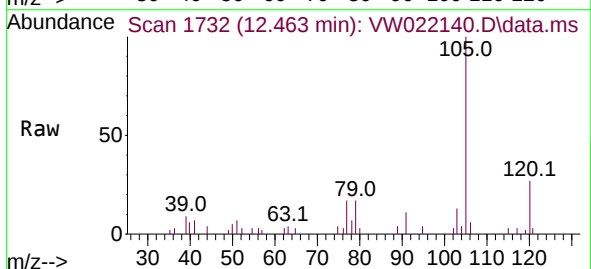
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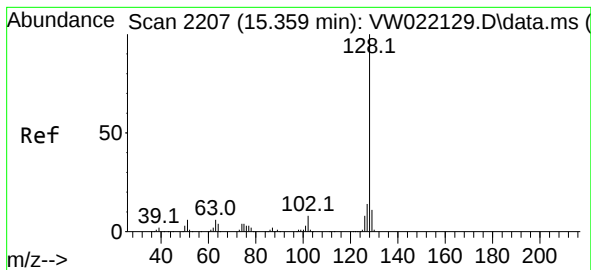
Tgt Ion:104 Resp: 7972  
Ion Ratio Lower Upper  
104 100  
78 316.3 27.8 51.6#



#60  
Isopropylbenzene  
Concen: 0.791 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
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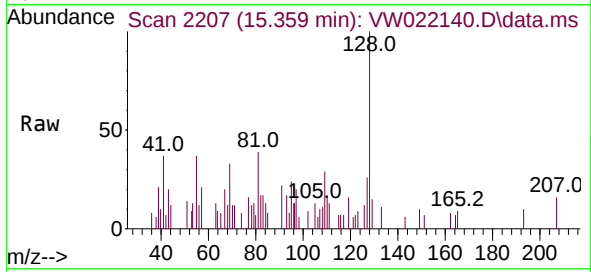
Tgt Ion:105 Resp: 4084  
Ion Ratio Lower Upper  
105 100  
120 30.0 22.1 33.1  
77 16.9 12.0 18.0





#71  
Naphthalene  
Concen: 0.763 ug/L  
RT: 15.359 min Scan# 21  
Delta R.T. -0.000 min  
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MSVOA\_W  
ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 1873  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 11.1  | 11.0  | 16.6  |
| 129      | 9.9   | 8.9   | 13.3  |

