

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062424\  
 Data File : VU059452.D  
 Acq On : 24 Jun 2024 16:02  
 Operator : MD/SY  
 Sample : P2962-07 10X  
 Misc : 2.45g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0T79

Quant Time: Jun 25 03:16:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM052924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 22 00:01:31 2024  
 Response via : Initial Calibration

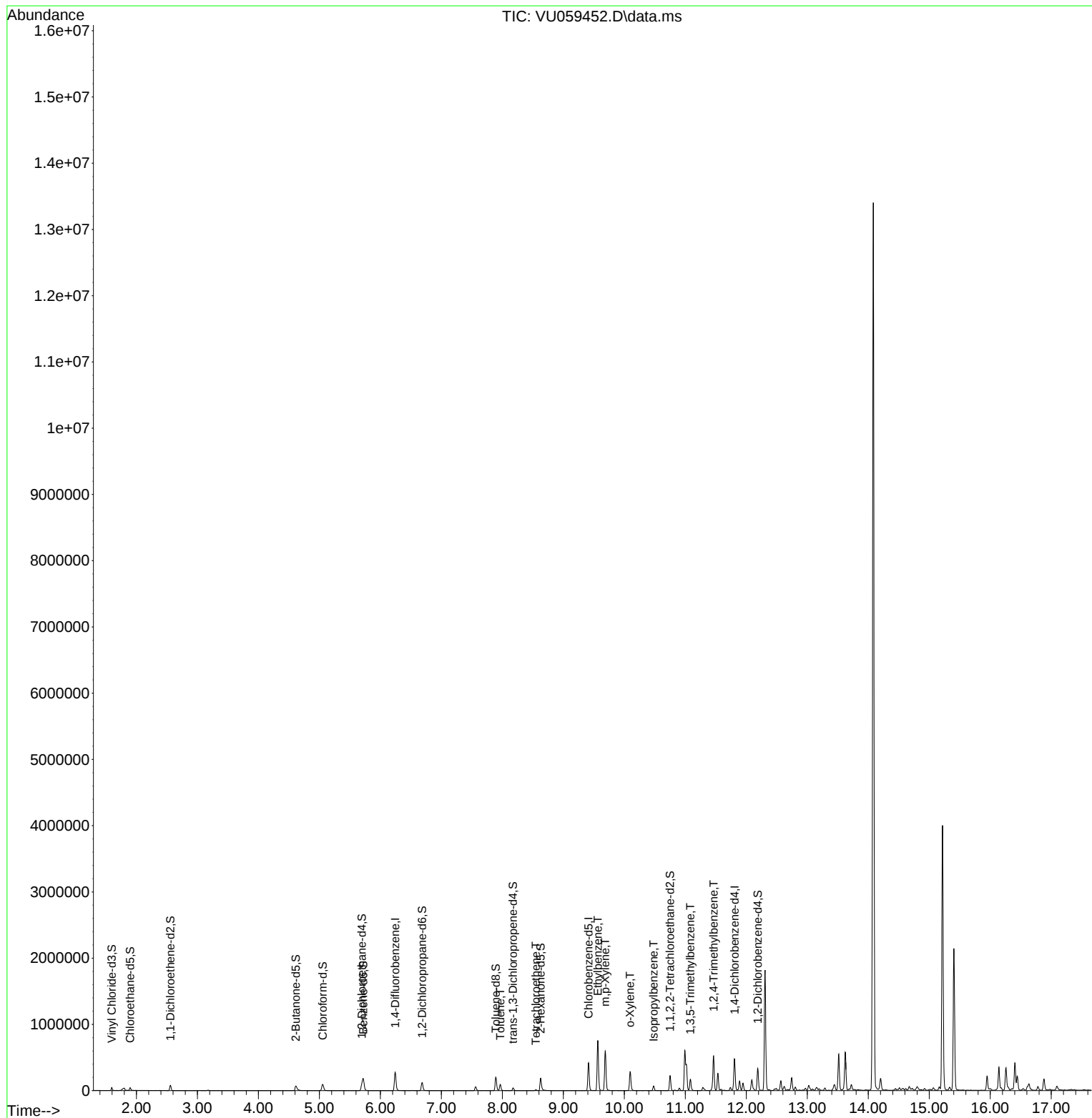
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242          | 114  | 232298     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412          | 117  | 240244     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807         | 152  | 131555     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592          | 65   | 34672      | 24.928   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 49.860%# |        |          |
| 7) Chloroethane-d5            | 1.895          | 69   | 36794      | 30.882   | ug/L   | -0.01    |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 61.760%# |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.557          | 63   | 48780      | 17.768   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 35.540%# |        |          |
| 21) 2-Butanone-d5             | 4.612          | 46   | 102323     | 78.051   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 78.050%  |        |          |
| 24) Chloroform-d              | 5.052          | 84   | 93209      | 33.664   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 67.320%# |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.695          | 65   | 60544      | 35.676   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 71.360%  |        |          |
| 32) Benzene-d6                | 5.718          | 84   | 174240     | 31.600   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 63.200%# |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.682          | 67   | 61908      | 32.563   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 65.120%# |        |          |
| 41) Toluene-d8                | 7.891          | 98   | 142888     | 30.526   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 61.060%# |        |          |
| 43) trans-1,3-Dichloroprop... | 8.174          | 79   | 24064      | 31.313   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 62.620%  |        |          |
| 47) 2-Hexanone-d5             | 8.627          | 63   | 64859      | 73.773   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 73.770%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750         | 84   | 115858     | 36.007   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 72.020%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.187         | 152  | 75393      | 38.402   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 76.800%# |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          | Qvalue |          |
| 42) Toluene                   | 7.965          | 91   | 71838      | 8.250    | ug/L   | 100      |
| 46) Tetrachloroethene         | 8.550          | 164  | 3122       | 2.207    | ug/L   | 91       |
| 52) Ethylbenzene              | 9.563          | 91   | 534687     | 59.560   | ug/L   | 98       |
| 53) m,p-Xylene                | 9.685          | 106  | 176434     | 53.475   | ug/L   | 97       |
| 54) o-Xylene                  | 10.094         | 106  | 78069      | 24.415   | ug/L   | 93       |
| 61) Isopropylbenzene          | 10.480         | 105  | 45578      | 4.925    | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081         | 105  | 96308      | 14.362   | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.463         | 105  | 290875     | 40.014   | ug/L   | 99       |
| -----                         |                |      |            |          |        |          |

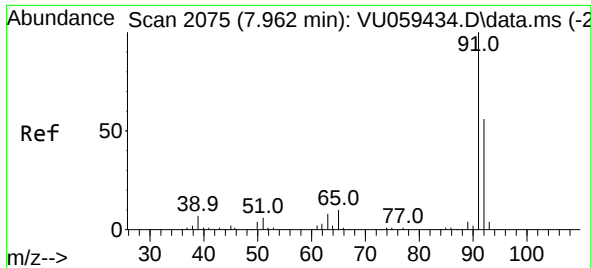
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Jun 22 00:01:31 2024  
Response via : Initial Calibration





#42

Toluene

Concen: 8.250 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU059452.D

Acq: 24 Jun 2024 16:02

Instrument :

MSVOA\_U

ClientSampleId :

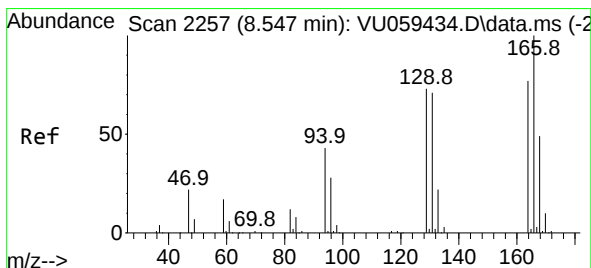
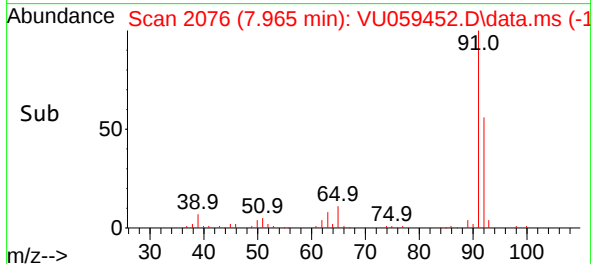
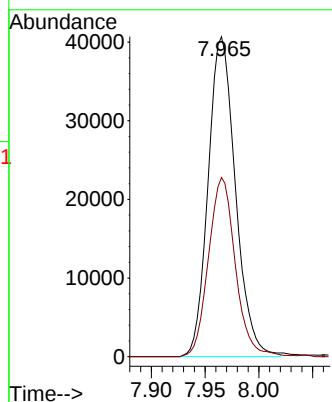
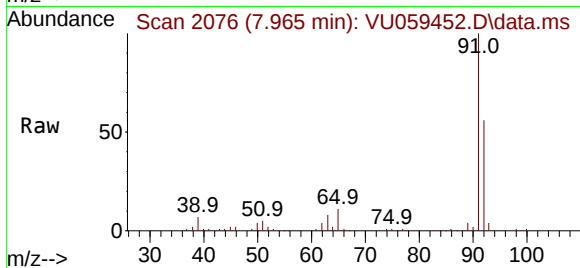
C0T79

Tgt Ion: 91 Resp: 71838

Ion Ratio Lower Upper

91 100

92 56.0 39.4 73.2



#46

Tetrachloroethene

Concen: 2.207 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.000 min

Lab File: VU059452.D

Acq: 24 Jun 2024 16:02

Tgt Ion: 164 Resp: 3122

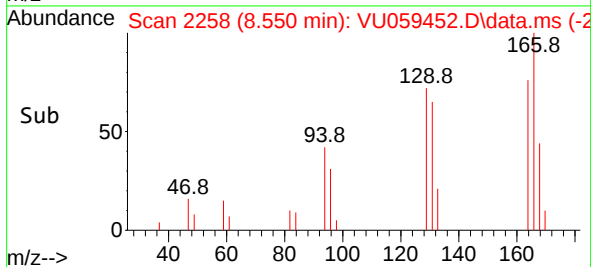
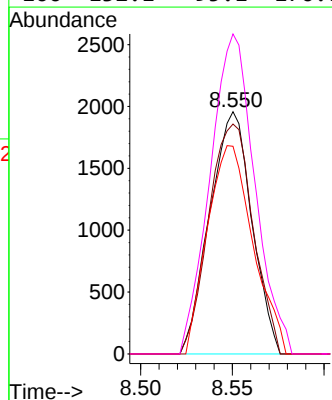
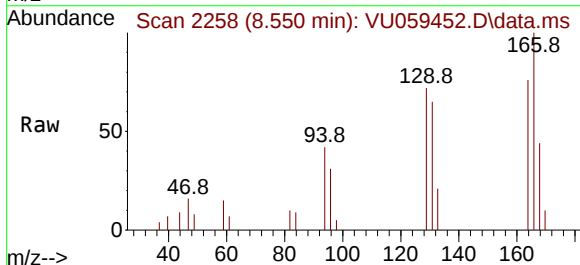
Ion Ratio Lower Upper

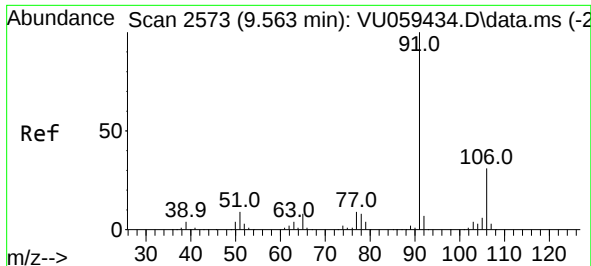
164 100

129 94.9 74.5 138.5

131 85.7 70.6 131.0

166 132.1 95.1 176.7

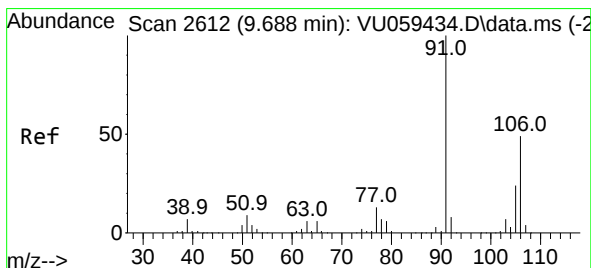
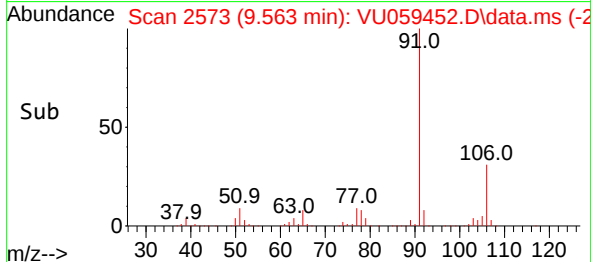
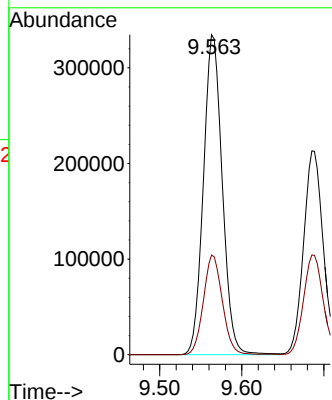
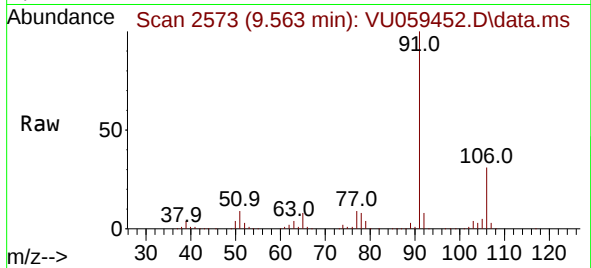




#52  
Ethylbenzene  
Concen: 59.560 ug/L  
RT: 9.563 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU059452.D  
Acq: 24 Jun 2024 16:02

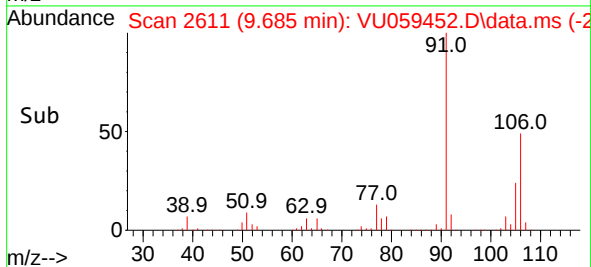
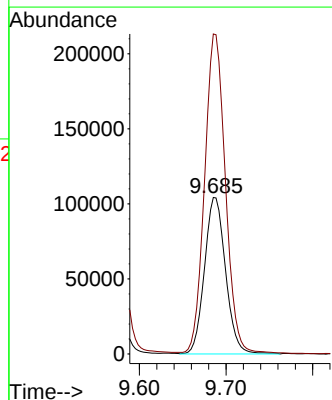
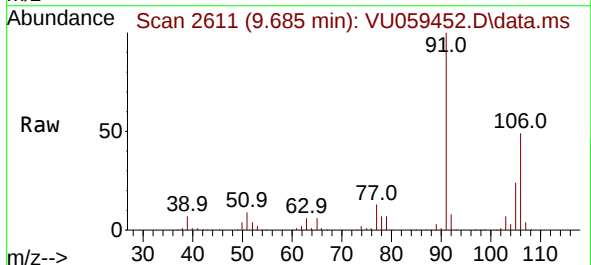
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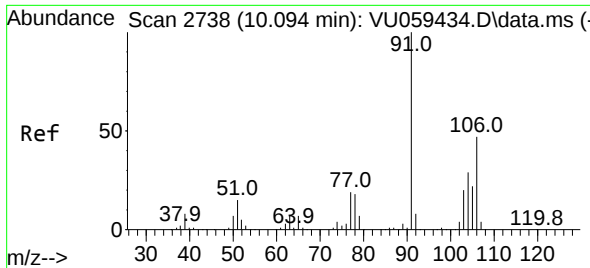
Tgt Ion: 91 Resp: 534687  
Ion Ratio Lower Upper  
91 100  
106 31.2 21.0 39.0



#53  
m,p-Xylene  
Concen: 53.475 ug/L  
RT: 9.685 min Scan# 2611  
Delta R.T. -0.003 min  
Lab File: VU059452.D  
Acq: 24 Jun 2024 16:02

Tgt Ion: 106 Resp: 176434  
Ion Ratio Lower Upper  
106 100  
91 204.6 146.4 272.0

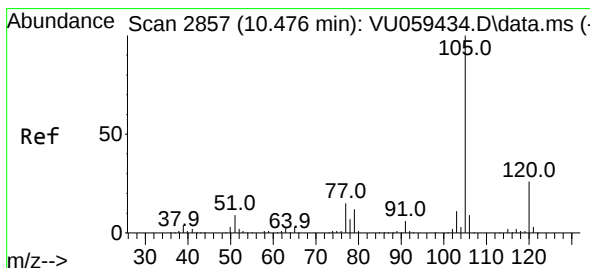
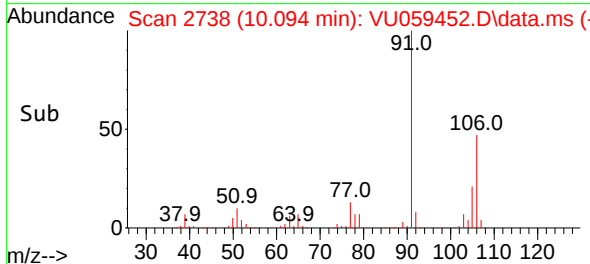
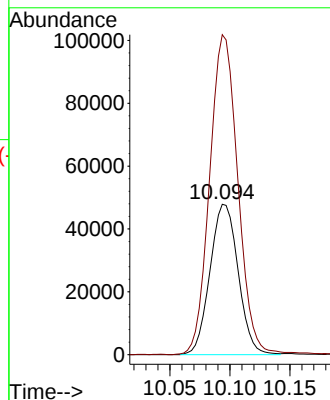
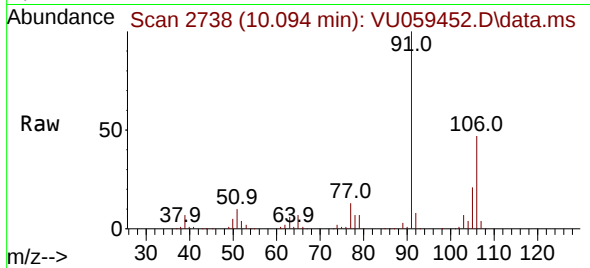




#54  
o-Xylene  
Concen: 24.415 ug/L  
RT: 10.094 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU059452.D  
Acq: 24 Jun 2024 16:02

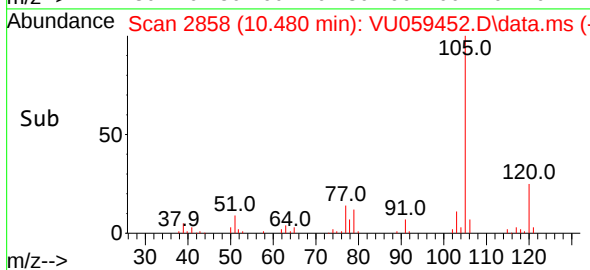
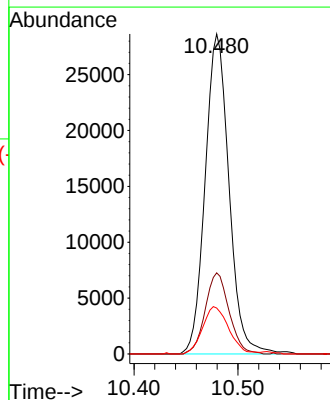
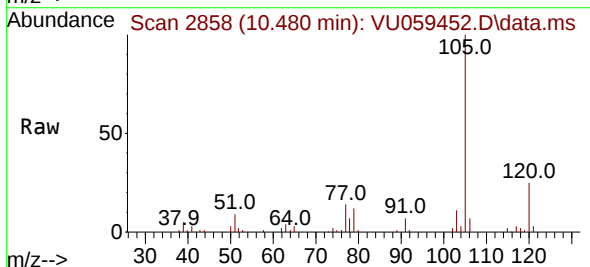
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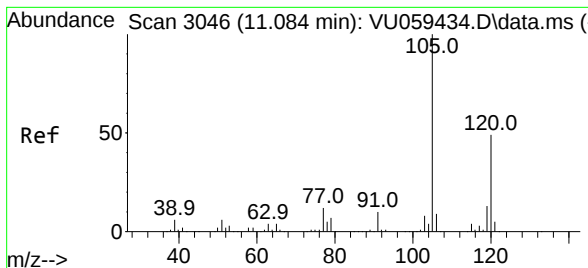
Tgt Ion:106 Resp: 78069  
Ion Ratio Lower Upper  
106 100  
91 212.7 156.7 290.9



#61  
Isopropylbenzene  
Concen: 4.925 ug/L  
RT: 10.480 min Scan# 2858  
Delta R.T. 0.000 min  
Lab File: VU059452.D  
Acq: 24 Jun 2024 16:02

Tgt Ion:105 Resp: 45578  
Ion Ratio Lower Upper  
105 100  
120 25.4 20.3 30.5  
77 16.0 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 14.362 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU059452.D

Acq: 24 Jun 2024 16:02

Instrument :

MSVOA\_U

ClientSampleId :

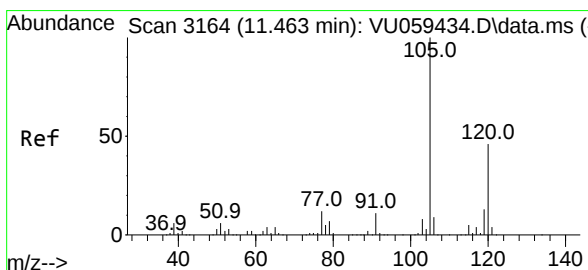
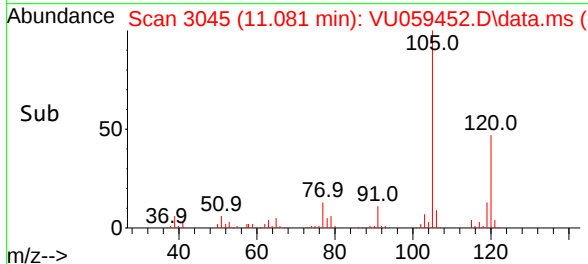
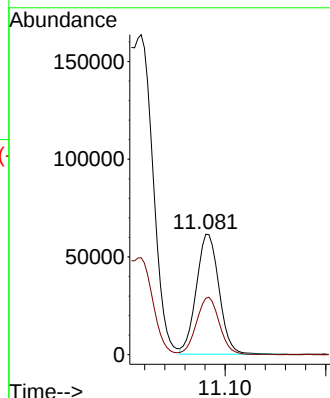
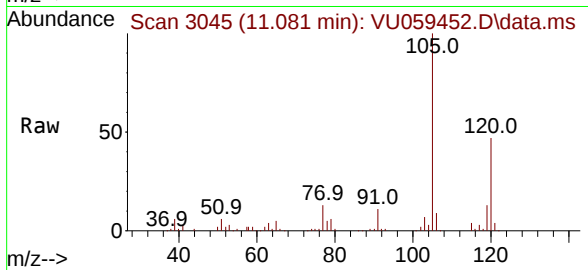
C0T79

Tgt Ion:105 Resp: 96308

Ion Ratio Lower Upper

105 100

120 47.7 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 40.014 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU059452.D

Acq: 24 Jun 2024 16:02

Tgt Ion:105 Resp: 290875

Ion Ratio Lower Upper

105 100

120 44.7 35.0 52.6

