

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW041122\  
 Data File : VW022483.D  
 Acq On : 11 Apr 2022 15:21  
 Operator : SY/VA  
 Sample : N2316-04  
 Misc : 6.57g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Apr 11 23:58:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Apr 11 23:55:29 2022  
 Response via : Initial Calibration

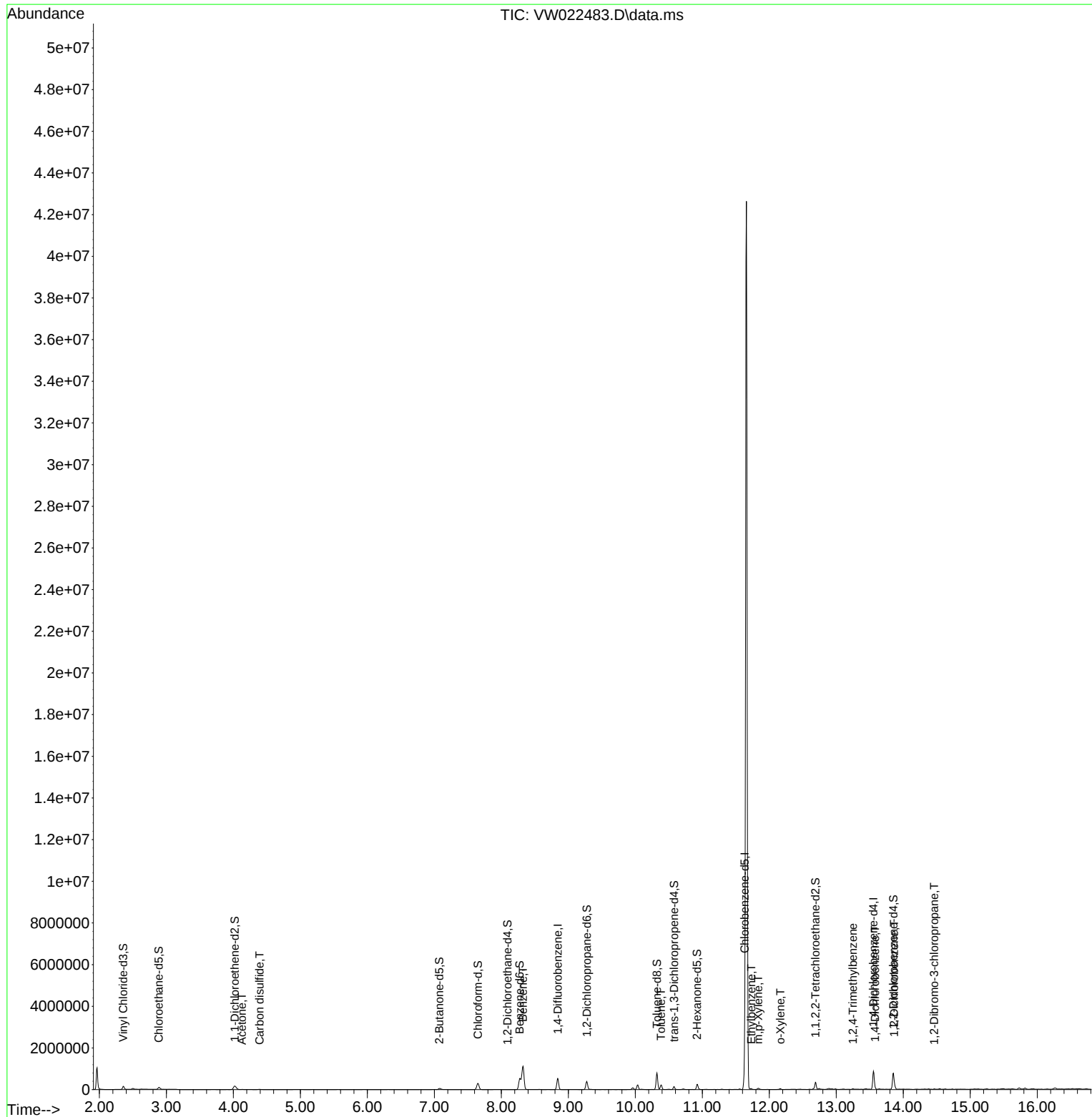
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 430178   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 440600   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 208235   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 151154   | 15.894   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 63.560%  |
| 7) Chloroethane-d5            | 2.885  | 69    | 106972   | 17.948   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 71.800%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 170272   | 13.804   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 55.200%  |
| 21) 2-Butanone-d5             | 7.074  | 46    | 89938    | 54.169   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 108.340% |
| 24) Chloroform-d              | 7.653  | 84    | 295670   | 21.990   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 87.960%  |
| 26) 1,2-Dichloroethane-d4     | 8.092  | 65    | 50       | 0.007    | ug/L   | -0.21    |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 0.040%#  |
| 32) Benzene-d6                | 8.275  | 84    | 534701   | 19.863   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 79.440%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 166751   | 21.406   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 85.640%  |
| 41) Toluene-d8                | 10.323 | 98    | 503938   | 19.114   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 76.440%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 74566    | 20.282   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 81.120%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 77973    | 53.798   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 107.600% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 154621   | 23.343   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 93.360%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 183354   | 24.859   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 99.440%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 13) Acetone                   | 4.129  | 43    | 14940    | 13.216   | ug/L   | 88       |
| 14) Carbon disulfide          | 4.391  | 76    | 26760    | 1.404    | ug/L   | 100      |
| 33) Benzene                   | 8.323  | 78    | 1005178  | 33.602   | ug/L   | 100      |
| 42) Toluene                   | 10.384 | 91    | 114900   | 3.352    | ug/L   | 97       |
| 52) Ethylbenzene              | 11.731 | 91    | 21461    | 0.559    | ug/L   | 99       |
| 53) m,p-Xylene                | 11.835 | 106   | 14159    | 0.969    | ug/L   | 100      |
| 54) o-Xylene                  | 12.164 | 106   | 10275    | 0.736    | ug/L   | 89       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105   | 15710    | 0.543    | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146   | 16081    | 1.149    | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146   | 17474    | 1.392    | ug/L # | 81       |
| 68) 1,2-Dibromo-3-chloropr... | 14.463 | 75    | 4546     | 4.425    | ug/L # | 16       |
| -----                         |        |       |          |          |        |          |

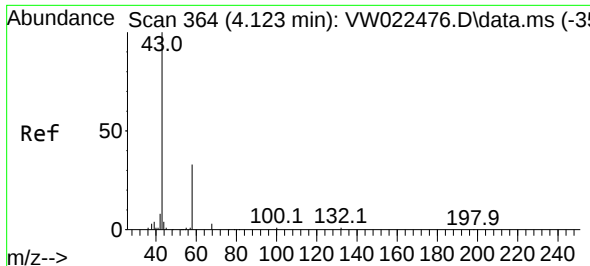
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
QLast Update : Mon Apr 11 23:55:29 2022  
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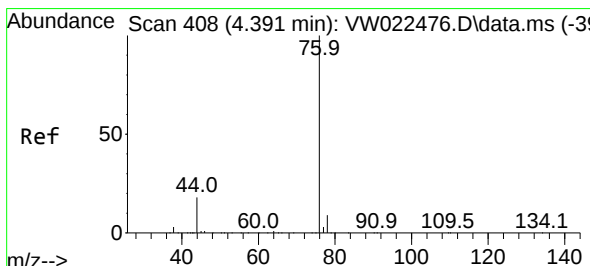
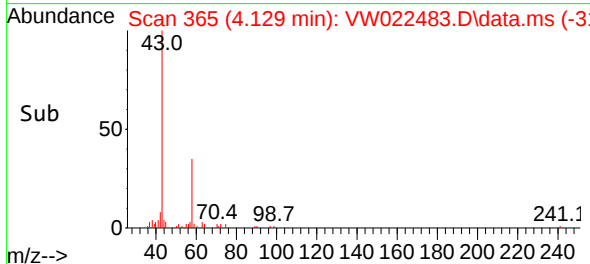
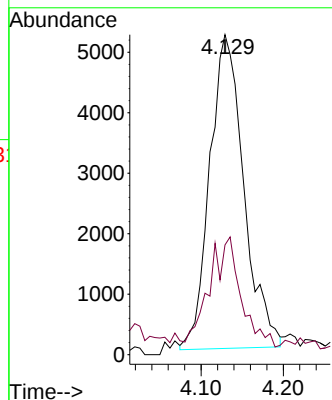
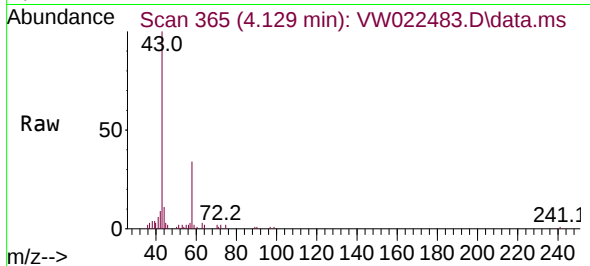




#13  
Acetone  
Concen: 13.216 ug/L  
RT: 4.129 min Scan# 364  
Delta R.T. 0.006 min  
Lab File: VW022483.D  
Acq: 11 Apr 2022 15:21

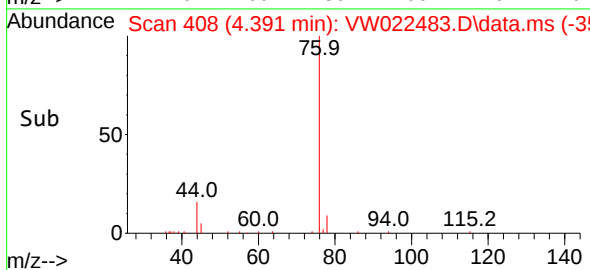
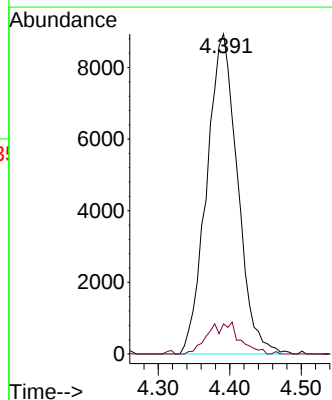
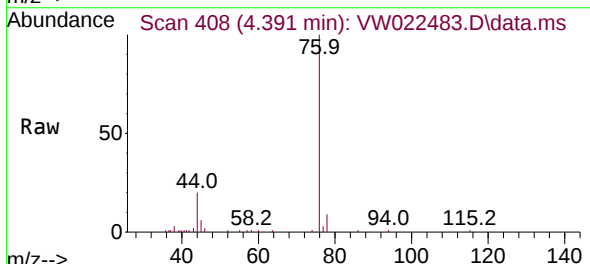
Instrument :  
MSVOA\_W  
ClientSampleId :

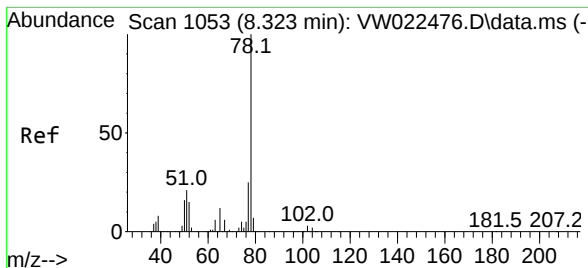
Tgt Ion: 43 Resp: 14940  
Ion Ratio Lower Upper  
43 100  
58 22.0 0.0 57.0



#14  
Carbon disulfide  
Concen: 1.404 ug/L  
RT: 4.391 min Scan# 408  
Delta R.T. 0.000 min  
Lab File: VW022483.D  
Acq: 11 Apr 2022 15:21

Tgt Ion: 76 Resp: 26760  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.6 11.4





#33

Benzene

Concen: 33.602 ug/L

RT: 8.323 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VW022483.D

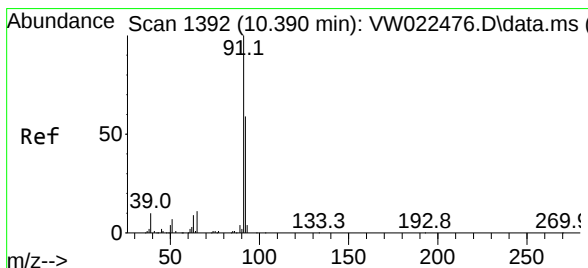
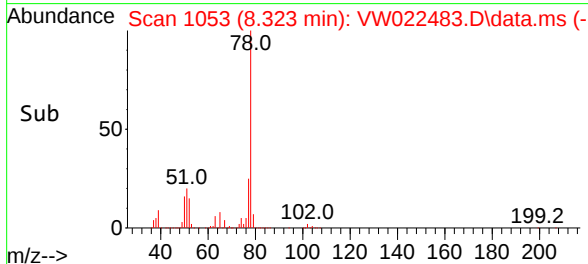
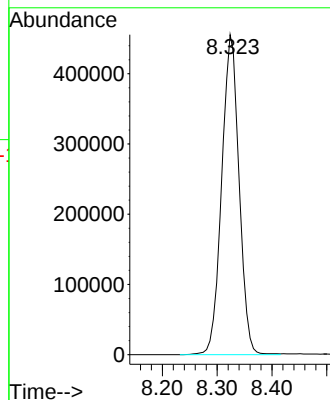
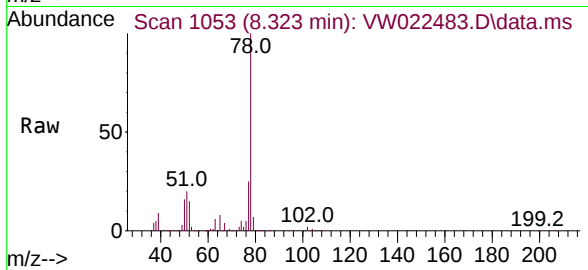
Acq: 11 Apr 2022 15:21

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 78 Resp: 1005178



#42

Toluene

Concen: 3.352 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.006 min

Lab File: VW022483.D

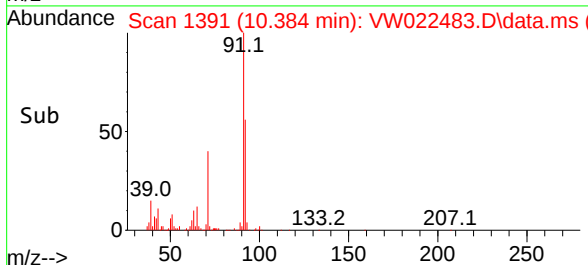
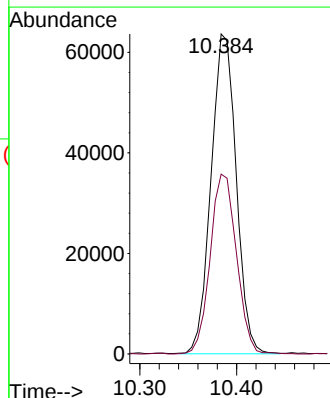
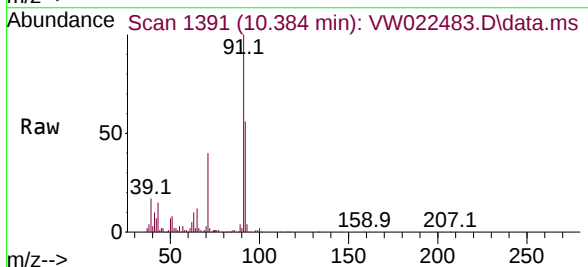
Acq: 11 Apr 2022 15:21

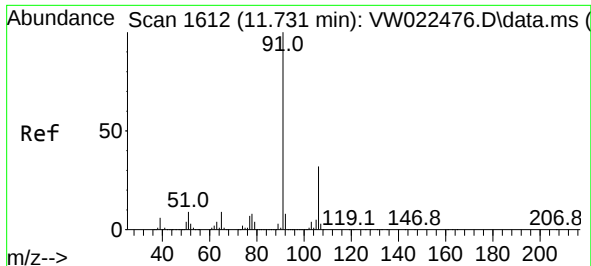
Tgt Ion: 91 Resp: 114900

Ion Ratio Lower Upper

91 100

92 56.2 38.0 70.6

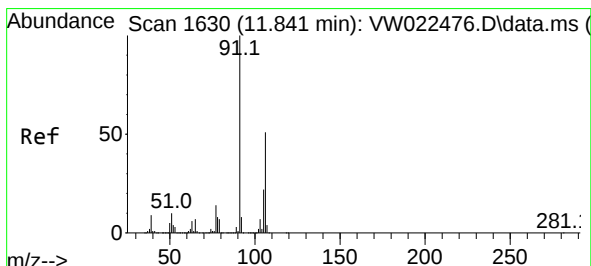
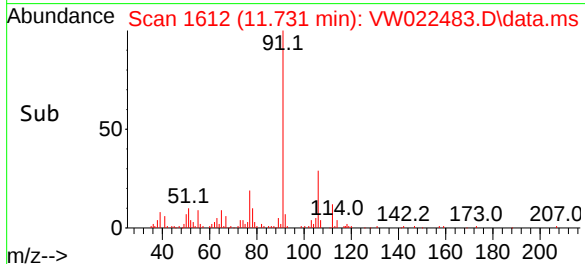
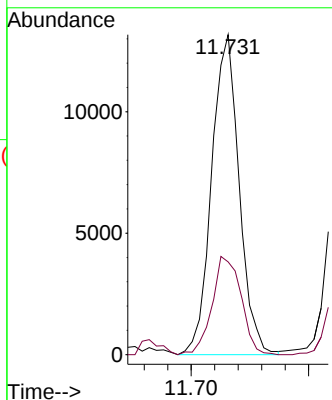
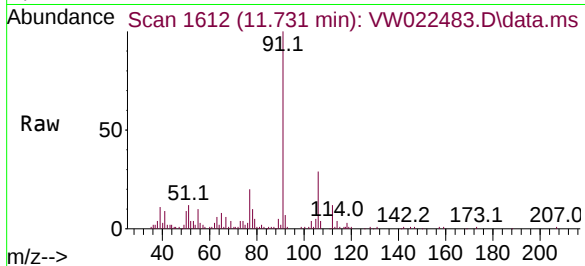




#52  
Ethylbenzene  
Concen: 0.559 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW022483.D  
Acq: 11 Apr 2022 15:21

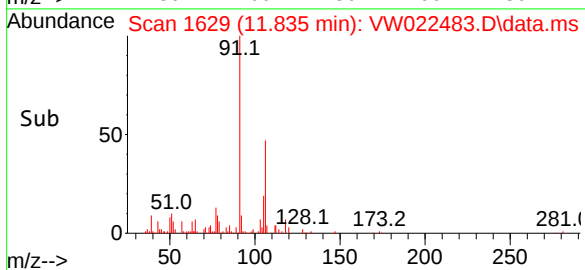
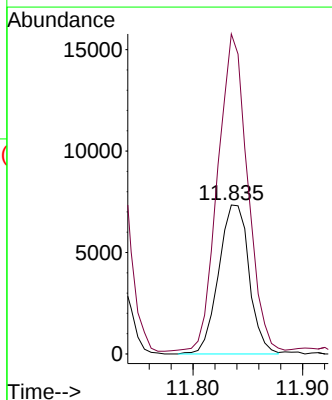
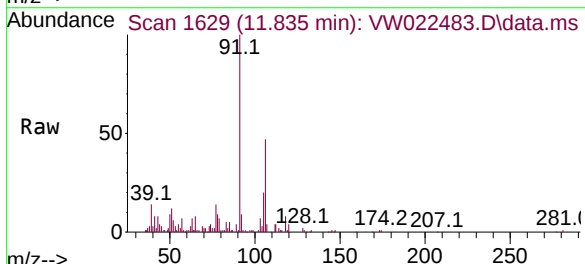
Instrument :  
MSVOA\_W  
ClientSampleId :

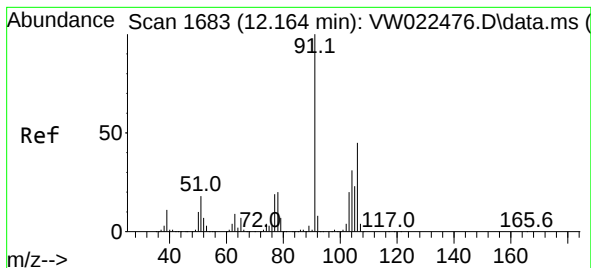
Tgt Ion: 91 Resp: 21461  
Ion Ratio Lower Upper  
91 100  
106 29.0 20.5 38.1



#53  
m,p-Xylene  
Concen: 0.969 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.006 min  
Lab File: VW022483.D  
Acq: 11 Apr 2022 15:21

Tgt Ion: 106 Resp: 14159  
Ion Ratio Lower Upper  
106 100  
91 214.8 149.9 278.5





#54

o-Xylene

Concen: 0.736 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022483.D

Acq: 11 Apr 2022 15:21

Instrument :

MSVOA\_W

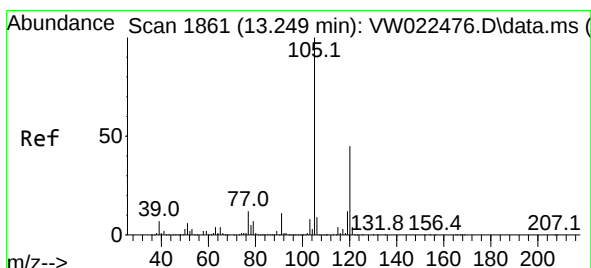
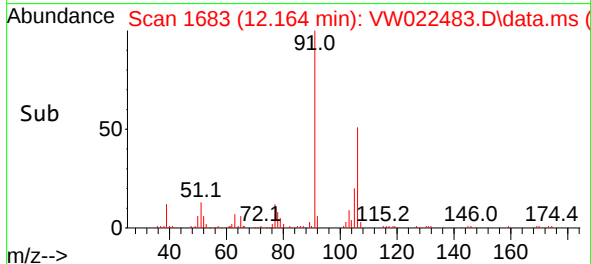
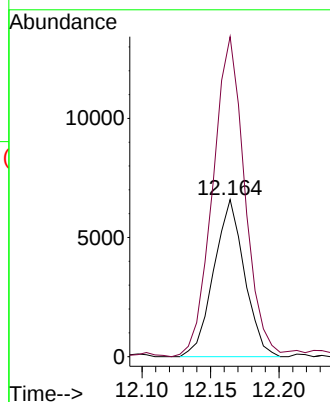
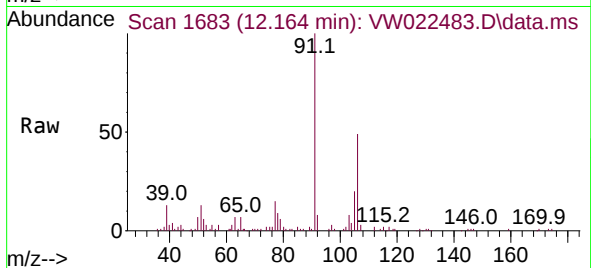
ClientSampleId :

Tgt Ion:106 Resp: 10275

Ion Ratio Lower Upper

106 100

91 203.6 155.3 288.3



#63

1,2,4-Trimethylbenzene

Concen: 0.543 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW022483.D

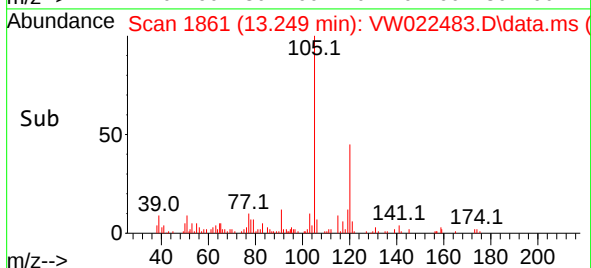
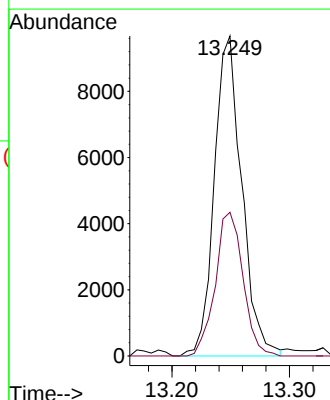
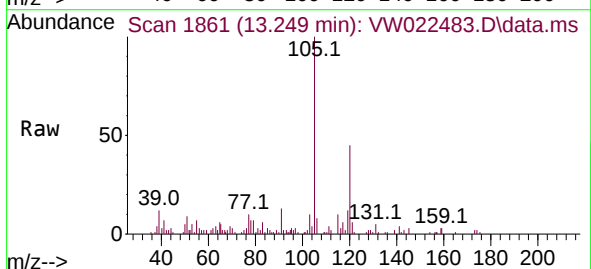
Acq: 11 Apr 2022 15:21

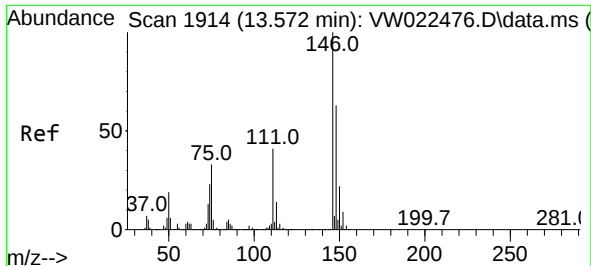
Tgt Ion:105 Resp: 15710

Ion Ratio Lower Upper

105 100

120 45.4 34.2 51.2

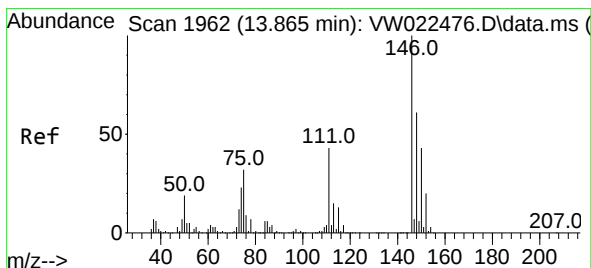
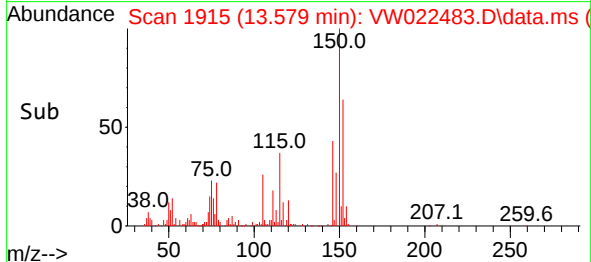
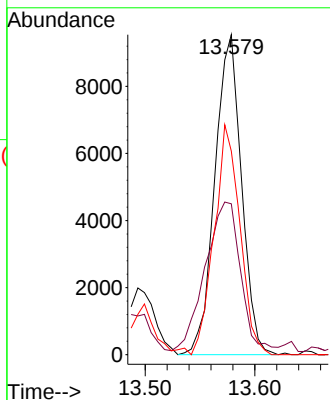
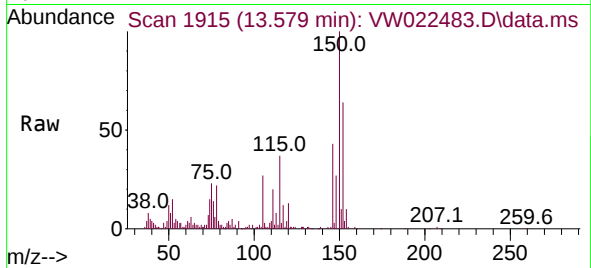




#65  
1,4-Dichlorobenzene  
Concen: 1.149 ug/L  
RT: 13.579 min Scan# 1914  
Delta R.T. 0.006 min  
Lab File: VW022483.D  
Acq: 11 Apr 2022 15:21

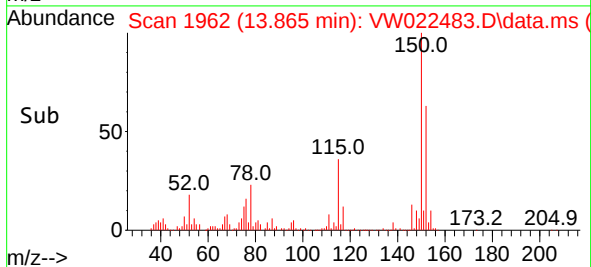
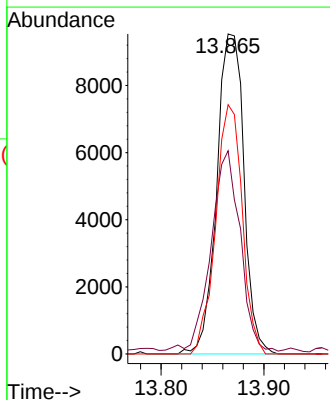
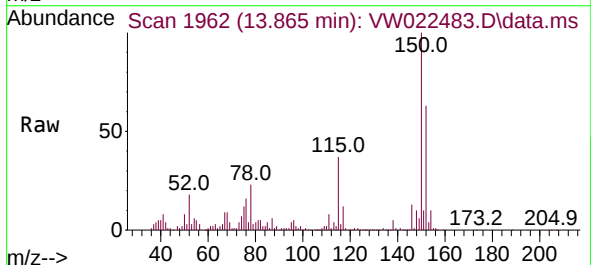
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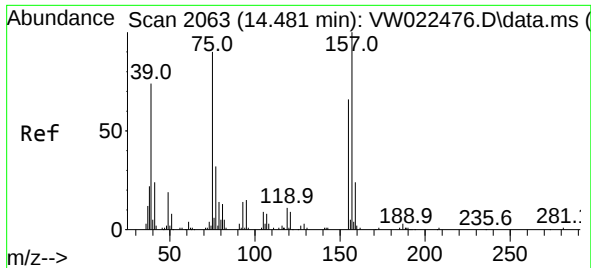
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 47.2  | 28.5  | 52.9  |
| 148     | 63.6  | 44.4  | 82.4  |



#67  
1,2-Dichlorobenzene  
Concen: 1.392 ug/L  
RT: 13.865 min Scan# 1962  
Delta R.T. 0.000 min  
Lab File: VW022483.D  
Acq: 11 Apr 2022 15:21

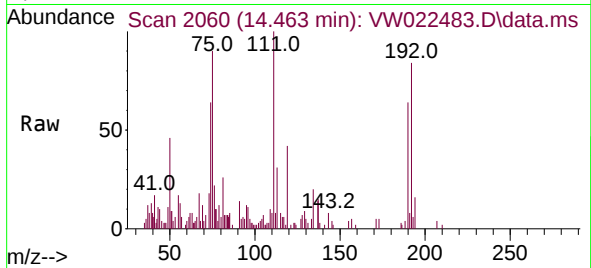
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 63.5  | 39.0  | 58.4  |
| 148     | 77.9  | 52.1  | 78.1  |





#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 4.425 ug/L  
 RT: 14.463 min Scan# 2060  
 Delta R.T. -0.018 min  
 Lab File: VW022483.D  
 Acq: 11 Apr 2022 15:21

Instrument :  
 MSVOA\_W  
 ClientSampleId :



Tgt Ion: 75 Resp: 4546  
 Ion Ratio Lower Upper  
 75 100  
 155 4.4 55.6 83.4#  
 157 5.5 69.8 104.6#

