

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120924\  
 Data File : VW031172.D  
 Acq On : 09 Dec 2024 19:27  
 Operator : SY/MD  
 Sample : P5153-05  
 Misc : 3.80g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E28P3

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/17/2024  
 Supervised By :Mahesh Dadoda 12/17/2024

Quant Time: Dec 10 01:15:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Dec 10 01:12:15 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) 1,4-Difluorobenzene        | 8.837          | 114  | 330249     | 25.000    | ug/L   | # 0.00   |
| 28) Chlorobenzene-d5          | 11.629         | 117  | 170728     | 25.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556         | 152  | 21605      | 25.000    | ug/L   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 4) Vinyl Chloride-d3          | 2.363          | 65   | 79017      | 15.548    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 62.200%   |        |          |
| 7) Chloroethane-d5            | 2.899          | 69   | 68833      | 17.457    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 69.840%   |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.015          | 65   | 34167      | 14.735    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 58.960%   |        |          |
| 21) 2-Butanone-d5             | 7.093          | 46   | 47068m     | 52.956    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 105.920%  |        |          |
| 24) Chloroform-d              | 7.648          | 84   | 185690     | 19.198    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 76.800%   |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.307          | 65   | 101161     | 21.254    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 85.000%   |        |          |
| 32) Benzene-d6                | 8.270          | 84   | 301684     | 28.750    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 115.000%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.270          | 67   | 108580     | 35.325    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 141.320%# |        |          |
| 41) Toluene-d8                | 10.325         | 98   | 192756     | 20.355    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 81.400%   |        |          |
| 43) trans-1,3-Dichloroprop... | 10.575         | 79   | 24608      | 19.886    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 79.560%   |        |          |
| 47) 2-Hexanone-d5             | 10.922         | 63   | 22262      | 61.819    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 123.640%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.684         | 84   | 55738      | 26.869    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 107.480%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.854         | 152  | 16531      | 21.542    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 86.160%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
| 29) Cyclohexane               | 7.953          | 56   | 4479       | 1.042     | ug/L # | 83       |
| 33) Benzene                   | 8.319          | 78   | 11222      | 0.972     | ug/L   | 100      |
| 35) Methylcyclohexane         | 9.331          | 83   | 13887      | 2.740     | ug/L # | 81       |
| 42) Toluene                   | 10.386         | 91   | 38982      | 3.205     | ug/L   | 99       |
| 52) Ethylbenzene              | 11.727         | 91   | 7204       | 0.523     | ug/L   | 89       |
| 53) m,p-Xylene                | 11.830         | 106  | 9525       | 1.857     | ug/L   | 93       |
| 54) o-Xylene                  | 12.160         | 106  | 7685       | 1.611     | ug/L   | 93       |
| 62) 1,3,5-Trimethylbenzene    | 12.940         | 105  | 1834       | 0.668     | ug/L   | 92       |
| 63) 1,2,4-Trimethylbenzene    | 13.245         | 105  | 6125       | 2.270     | ug/L   | 95       |
| -----                         |                |      |            |           |        |          |

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

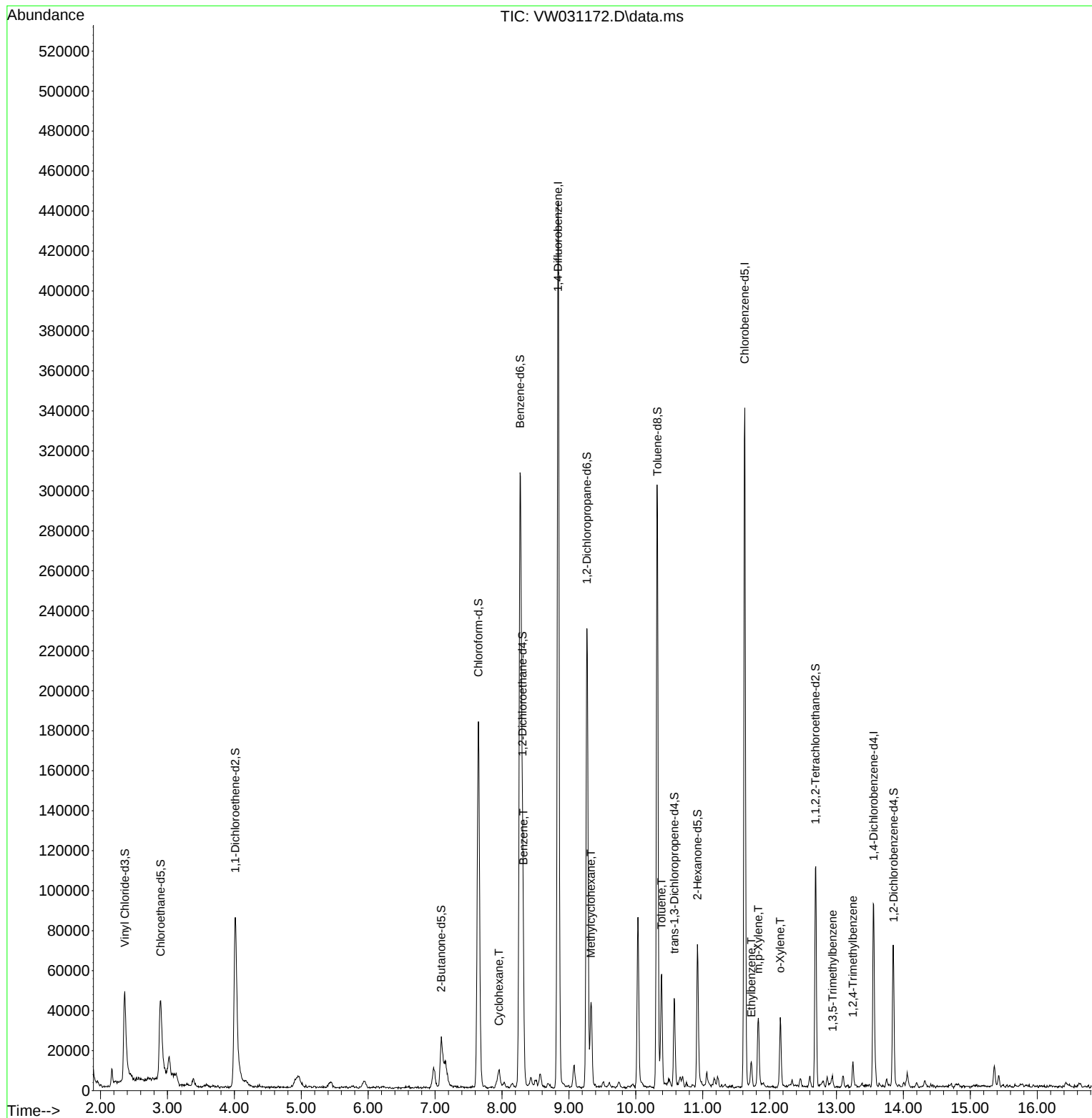
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120924\  
Data File : VW031172.D  
Acq On : 09 Dec 2024 19:27  
Operator : SY/MD  
Sample : P5153-05  
Misc : 3.80g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 16 Sample Multiplier: 1

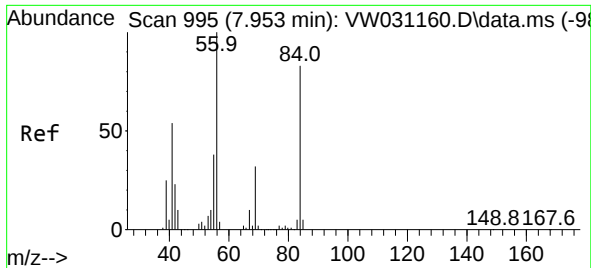
Instrument :  
MSVOA\_W  
ClientSampleId :  
E28P3

Quant Time: Dec 10 01:15:53 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120424SMA.M  
Quant Title : SFAM01.0  
QLast Update : Tue Dec 10 01:12:15 2024  
Response via : Initial Calibration

Manual Integrations  
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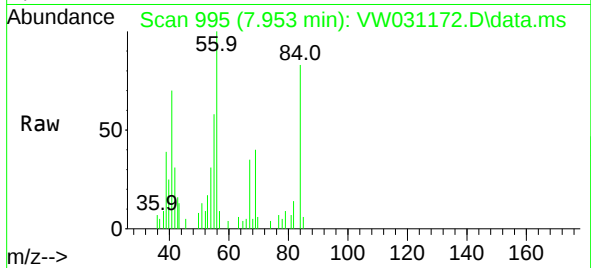
Reviewed By :Semsettin Yesilyurt 12/17/2024  
Supervised By :Mahesh Dadoda 12/17/2024





#29  
Cyclohexane  
Concen: 1.042 ug/L  
RT: 7.953 min Scan# 995  
Delta R.T. -0.000 min  
Lab File: VW031172.D  
Acq: 09 Dec 2024 19:27

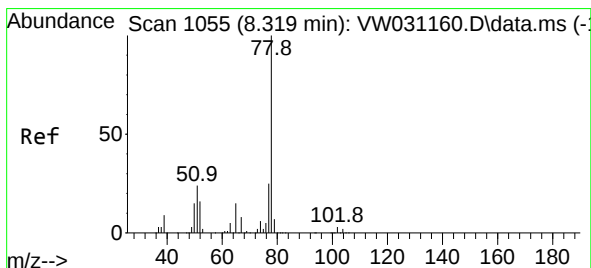
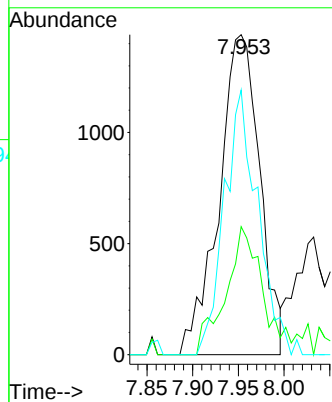
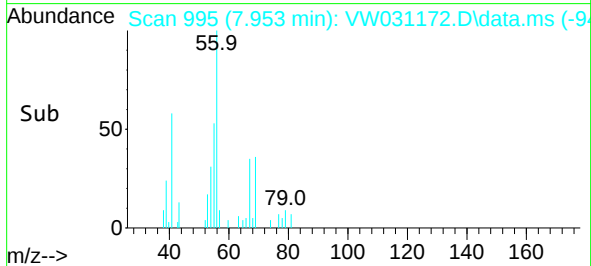
Instrument :  
MSVOA\_W  
ClientSampleId :  
E28P3



Tgt Ion: 56 Resp: 4479  
Ion Ratio Lower Upper  
56 100  
69 32.2 25.4 38.2  
84 67.7 71.1 106.7

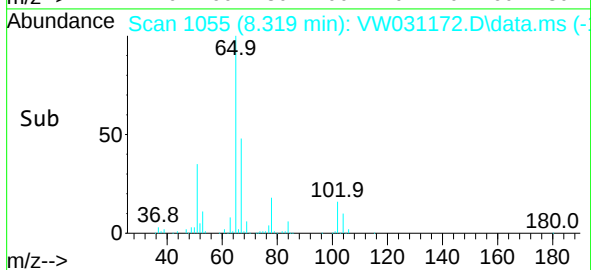
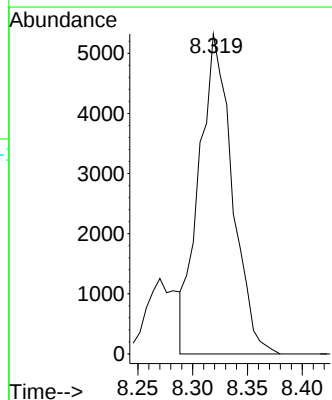
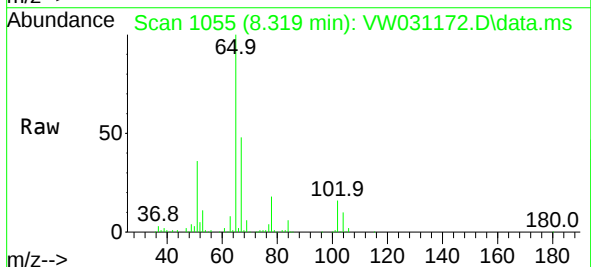
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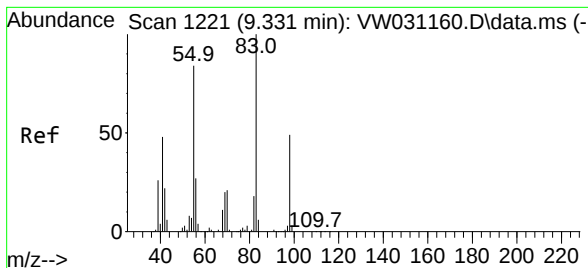
Reviewed By :Semsettin Yesilyurt 12/17/2024  
Supervised By :Mahesh Dadoda 12/17/2024



#33  
Benzene  
Concen: 0.972 ug/L  
RT: 8.319 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VW031172.D  
Acq: 09 Dec 2024 19:27

Tgt Ion: 78 Resp: 11222





#35

Methylcyclohexane

Concen: 2.740 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.000 min

Lab File: VW031172.D

Acq: 09 Dec 2024 19:27

Instrument :

MSVOA\_W

ClientSampleId :

E28P3

Tgt Ion: 83 Resp: 1388

Ion Ratio Lower Upper

83 100

55 100.5 59.5 89.3

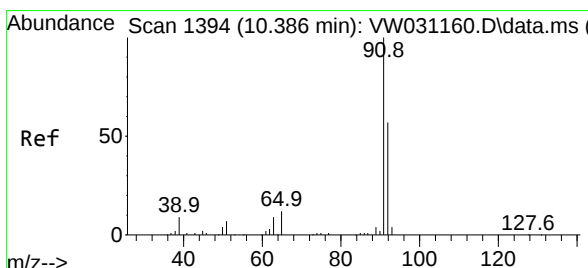
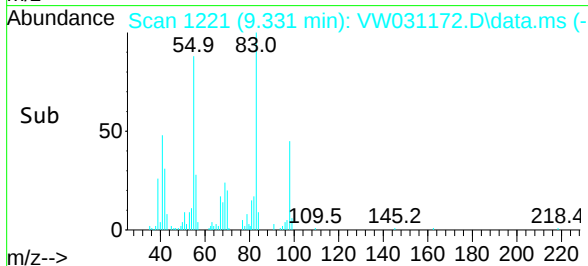
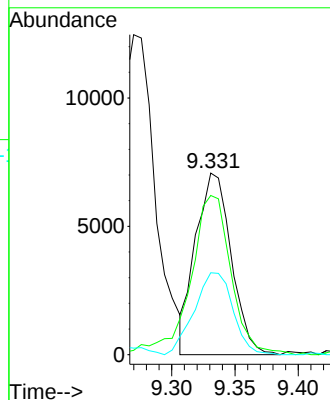
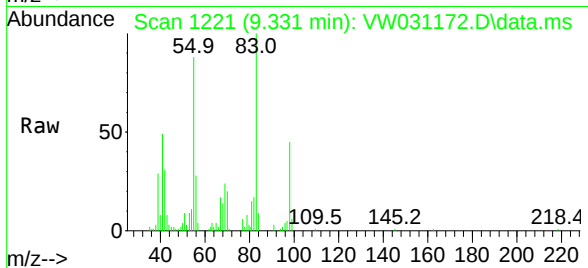
98 48.9 38.7 58.1

Manual Integrations

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#42

Toluene

Concen: 3.205 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW031172.D

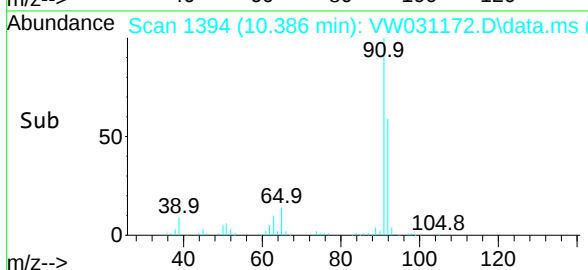
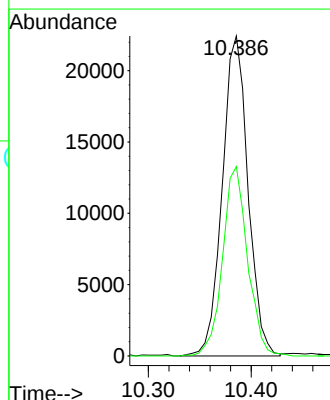
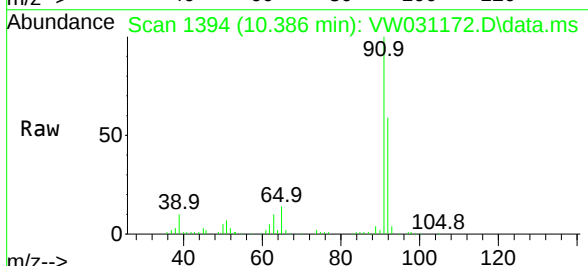
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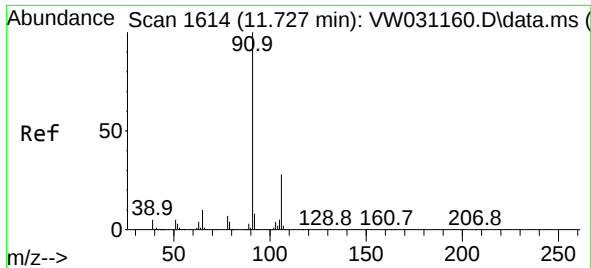
Tgt Ion: 91 Resp: 38982

Ion Ratio Lower Upper

91 100

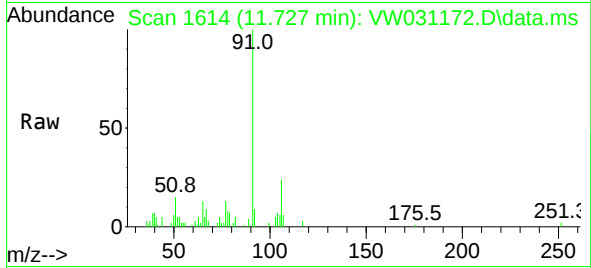
92 59.2 40.8 75.8





#52  
Ethylbenzene  
Concen: 0.523 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW031172.D  
Acq: 09 Dec 2024 19:27

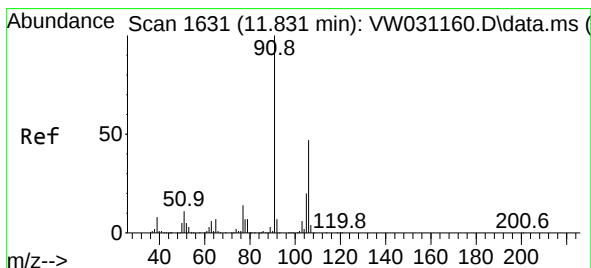
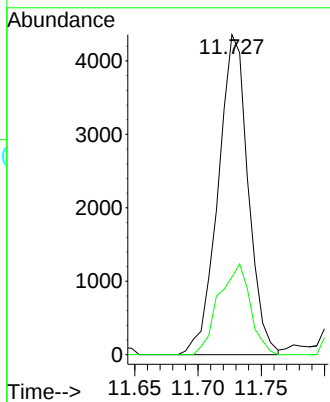
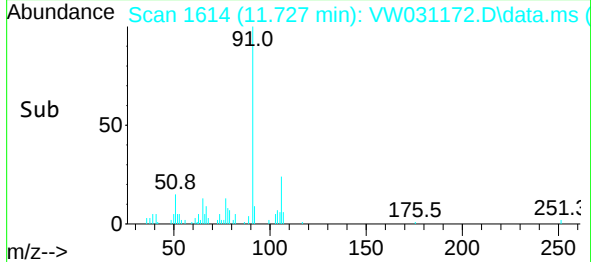
Instrument :  
MSVOA\_W  
ClientSampleId :  
E28P3



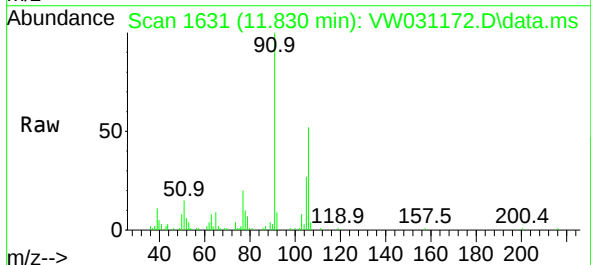
Tgt Ion: 91 Resp: 7204  
Ion Ratio Lower Upper  
91 100  
106 24.2 21.3 39.5

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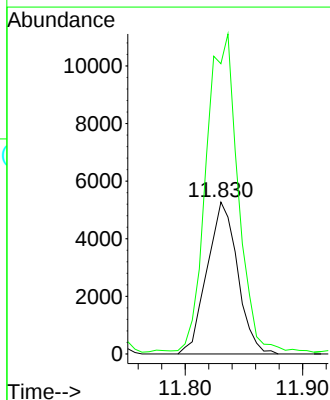
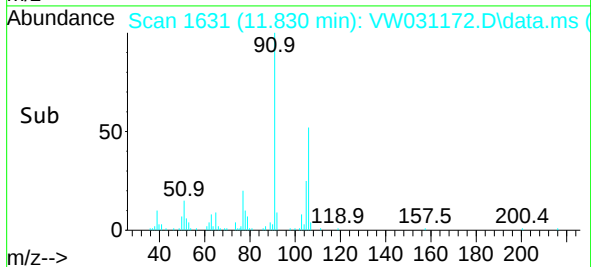
Reviewed By :Semsettin Yesilyurt 12/17/2024  
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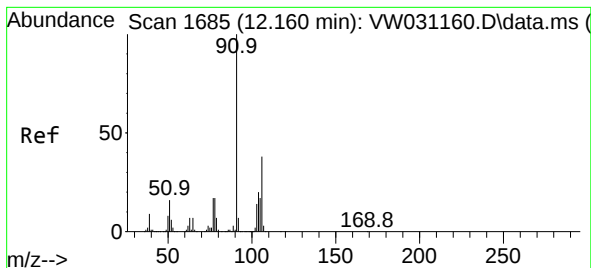


#53  
m,p-Xylene  
Concen: 1.857 ug/L  
RT: 11.830 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VW031172.D  
Acq: 09 Dec 2024 19:27



Tgt Ion:106 Resp: 9525  
Ion Ratio Lower Upper  
106 100  
91 191.1 140.9 261.7





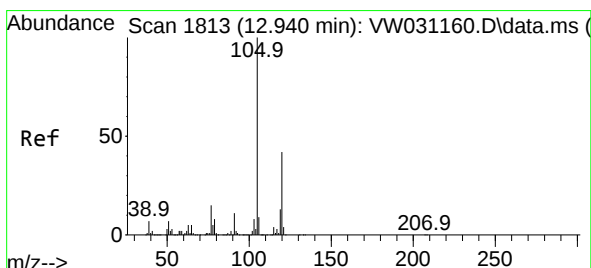
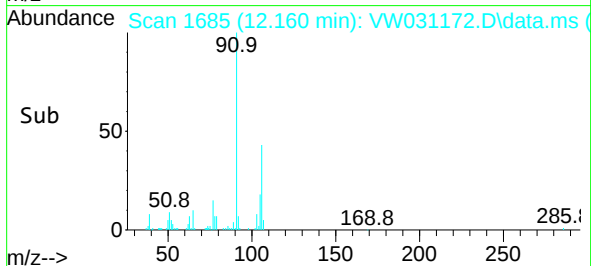
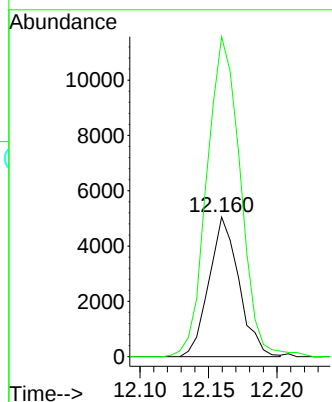
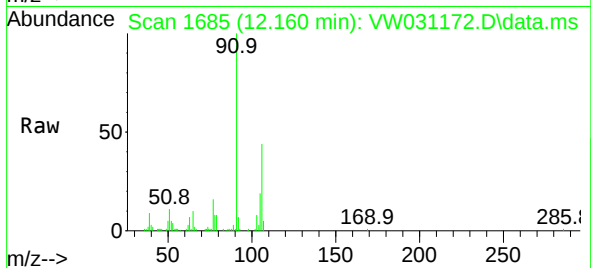
#54  
o-Xylene  
Concen: 1.611 ug/L  
RT: 12.160 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VW031172.D  
Acq: 09 Dec 2024 19:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
E28P3

Tgt Ion:106 Resp: 7685  
Ion Ratio Lower Upper  
106 100  
91 229.4 152.7 283.5

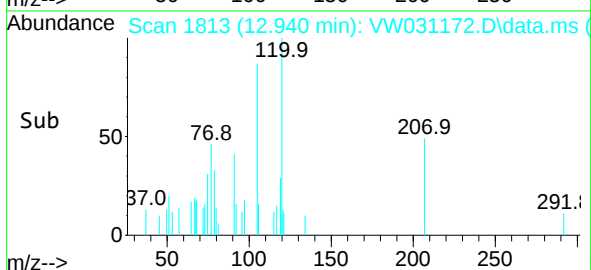
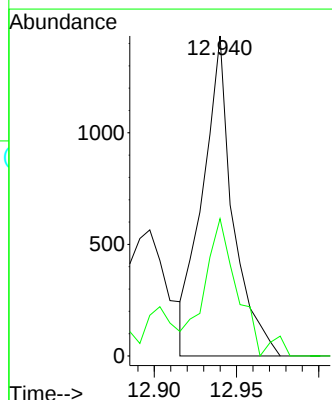
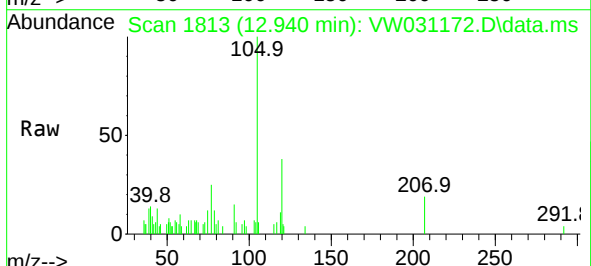
Manual Integrations  
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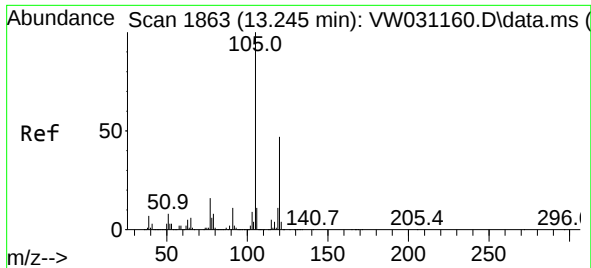
Reviewed By :Semsettin Yesilyurt 12/17/2024  
Supervised By :Mahesh Dadoda 12/17/2024



#62  
1,3,5-Trimethylbenzene  
Concen: 0.668 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW031172.D  
Acq: 09 Dec 2024 19:27

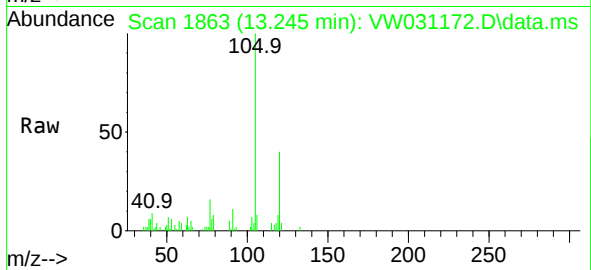
Tgt Ion:105 Resp: 1834  
Ion Ratio Lower Upper  
105 100  
120 45.4 40.5 60.7





#63  
 1,2,4-Trimethylbenzene  
 Concen: 2.270 ug/L  
 RT: 13.245 min Scan# 1863  
 Delta R.T. -0.000 min  
 Lab File: VW031172.D  
 Acq: 09 Dec 2024 19:27

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E28P3



Tgt Ion:105 Resp: 6125  
 Ion Ratio Lower Upper  
 105 100  
 120 40.9 35.4 53.0

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