

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121721\  
 Data File : VU046467.D  
 Acq On : 17 Dec 2021 13:25  
 Operator : SY/MD  
 Sample : M5101-07ME  
 Misc : 6.38g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BGL28ME

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 12/22/2021  
 Supervised By : Mahesh Dadoda 12/22/2021

Quant Time: Dec 17 13:56:53 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 17 03:50:47 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 160937     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.426          | 117  | 167262     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819         | 152  | 83091      | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.600          | 65   | 47886      | 36.121   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 72.240%  |       |          |
| 7) Chloroethane-d5            | 1.919          | 69   | 35144      | 34.527   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 69.060%# |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.549          | 63   | 63010      | 26.476   | ug/L  | -0.03    |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 52.960%# |       |          |
| 21) 2-Butanone-d5             | 4.655          | 46   | 73026      | 69.292   | ug/L  | 0.02     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 69.290%  |       |          |
| 24) Chloroform-d              | 5.063          | 84   | 92755      | 41.897   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 83.800%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.703          | 65   | 64677      | 43.531   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 87.060%  |       |          |
| 32) Benzene-d6                | 5.726          | 84   | 185552     | 38.705   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 77.400%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67   | 58810      | 39.583   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 79.160%  |       |          |
| 41) Toluene-d8                | 7.899          | 98   | 167698     | 38.419   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 76.840%# |       |          |
| 43) trans-1,3-Dichloroprop... | 8.185          | 79   | 29149      | 40.642   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 81.280%  |       |          |
| 47) 2-Hexanone-d5             | 8.677          | 63   | 62444      | 88.642   | ug/L  | 0.04     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 88.640%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.770         | 84   | 84944      | 37.699   | ug/L  | 0.01     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 75.400%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.201         | 152  | 63954      | 39.967   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 79.940%# |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 19) 1,1-Dichloroethane        | 3.861          | 63   | 3510       | 1.639    | ug/L  | 96       |
| 22) 2-Butanone                | 4.735          | 43   | 10823m     | 7.548    | ug/L  |          |
| 34) Trichloroethene           | 6.542          | 95   | 269620     | 202.168  | ug/L  | 99       |
| 42) Toluene                   | 7.970          | 91   | 20989      | 3.864    | ug/L  | 99       |
| 46) Tetrachloroethene         | 8.555          | 164  | 1174222    | 1198.104 | ug/L  | 99       |
| 52) Ethylbenzene              | 9.574          | 91   | 5964       | 1.020    | ug/L  | 99       |
| 53) m,p-Xylene                | 9.700          | 106  | 12124      | 5.318    | ug/L  | 100      |
| 54) o-xylene                  | 10.108         | 106  | 4025       | 1.819    | ug/L  | 89       |
| -----                         |                |      |            |          |       |          |

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

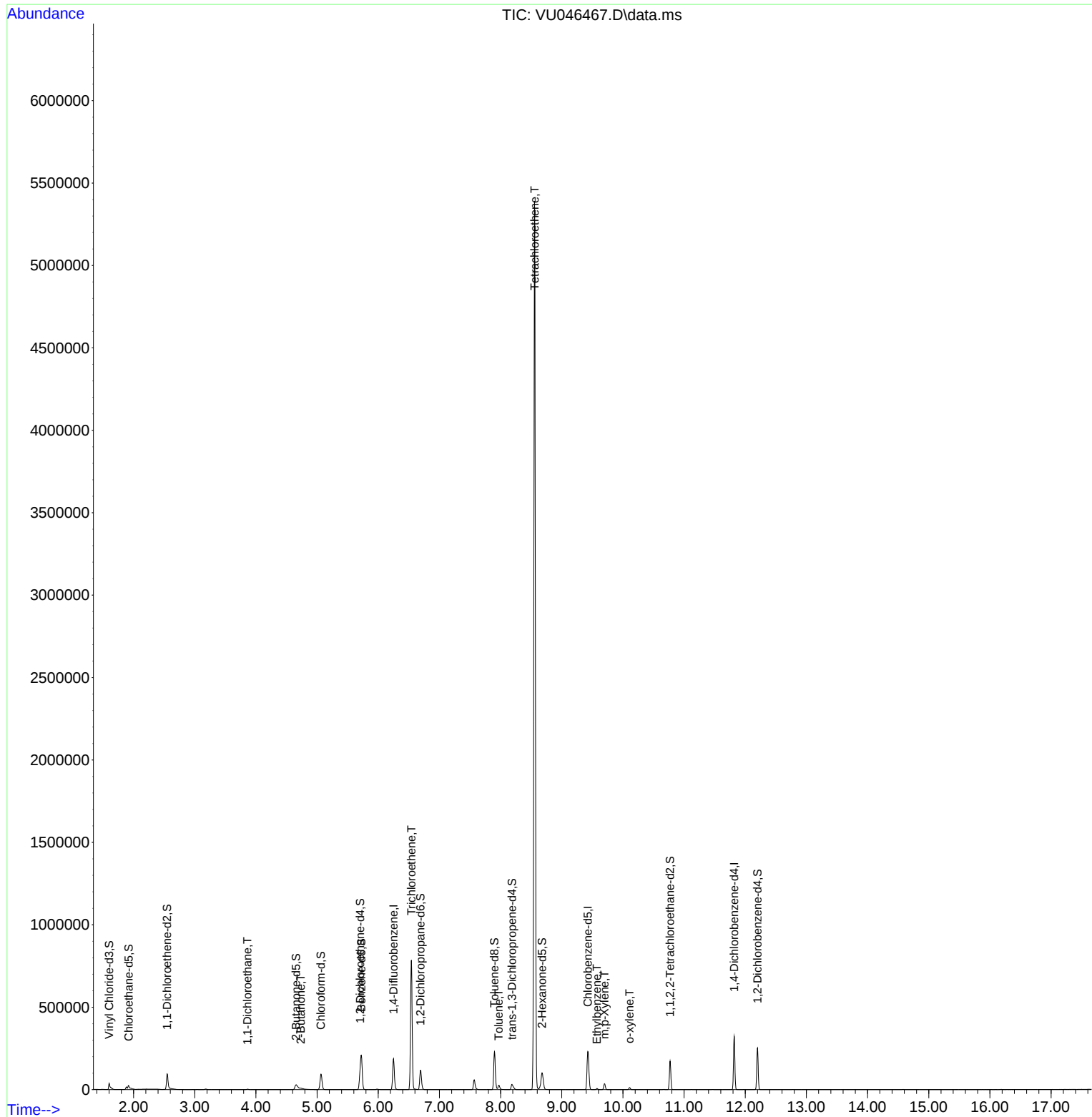
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121721\  
Data File : VU046467.D  
Acq On : 17 Dec 2021 13:25  
Operator : SY/MD  
Sample : M5101-07ME  
Misc : 6.38g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 7 Sample Multiplier: 1

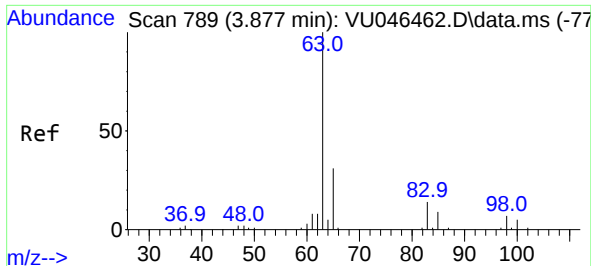
Instrument :  
MSVOA\_U  
ClientSampleId :  
BGL28ME

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 17 03:50:47 2021  
Response via : Initial Calibration





#19

1,1-Dichloroethane

Concen: 1.639 ug/L

RT: 3.861 min Scan# 71

Delta R.T. -0.016 min

Lab File: VU046467.D

Acq: 17 Dec 2021 13:25

Instrument :

MSVOA\_U

ClientSampleId :

BGL28ME

Tgt Ion: 63 Resp: 3510

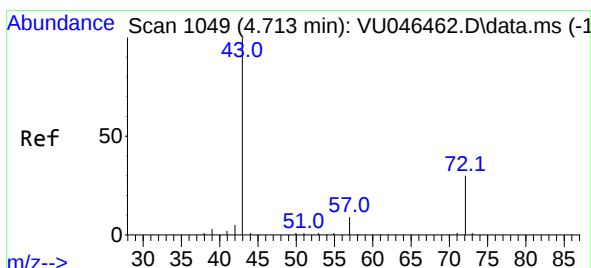
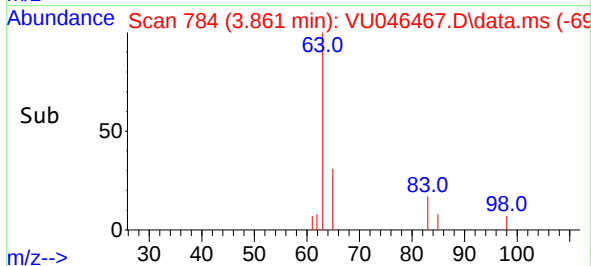
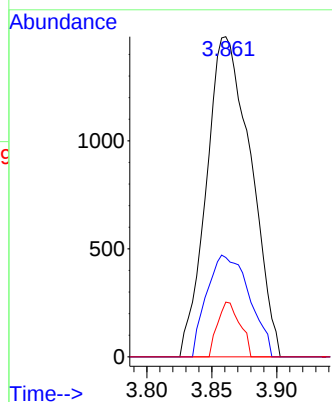
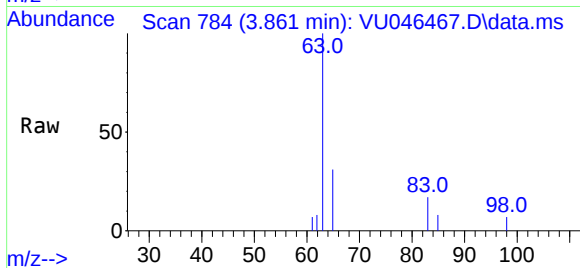
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 31.0  | 22.8  | 42.4  |
| 83  | 17.1  | 9.6   | 17.8  |

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#22

2-Butanone

Concen: 7.548 ug/L m

RT: 4.735 min Scan# 1056

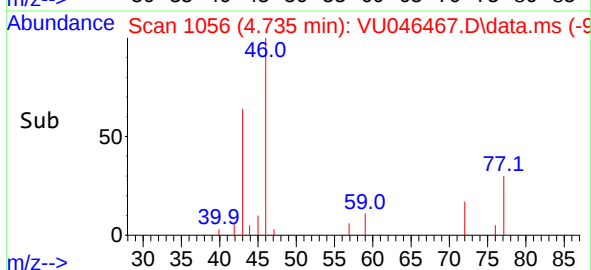
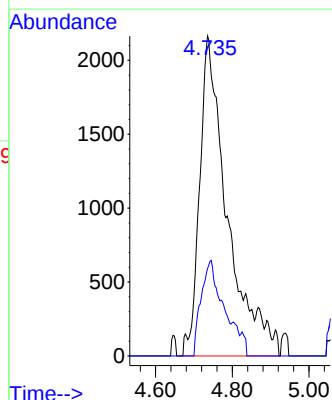
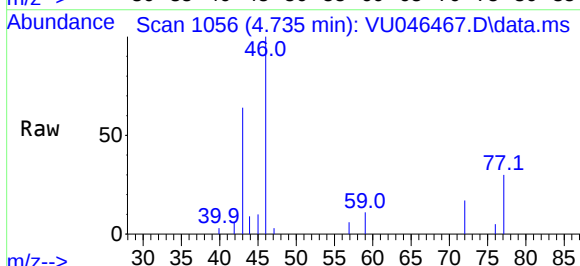
Delta R.T. 0.022 min

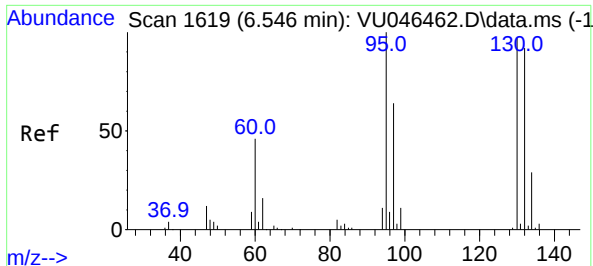
Lab File: VU046467.D

Acq: 17 Dec 2021 13:25

Tgt Ion: 43 Resp: 10823

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 16.8  | 14.5  | 43.6  |





#34

Trichloroethene

Concen: 202.168 ug/L

RT: 6.542 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046467.D

Acq: 17 Dec 2021 13:25

Instrument :

MSVOA\_U

ClientSampleId :

BGL28ME

Tgt Ion: 95 Resp: 269620

Ion Ratio Lower Upper

95 100

97 63.9 44.1 81.9

132 93.6 66.8 124.0

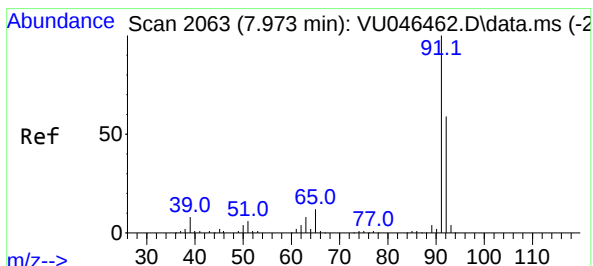
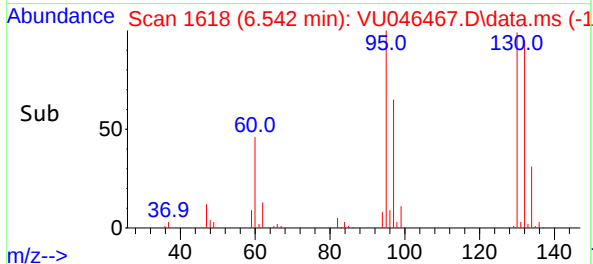
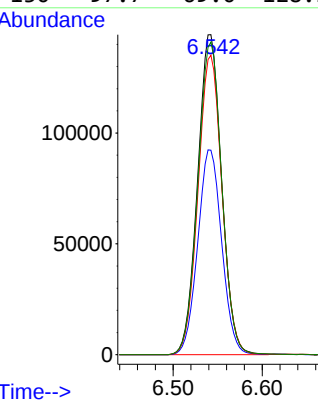
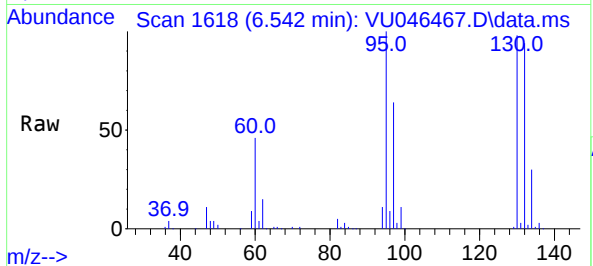
130 97.7 69.0 128.1

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#42

Toluene

Concen: 3.864 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU046467.D

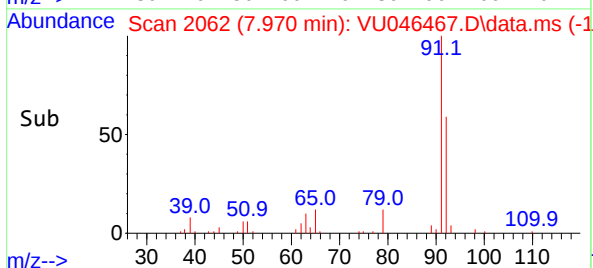
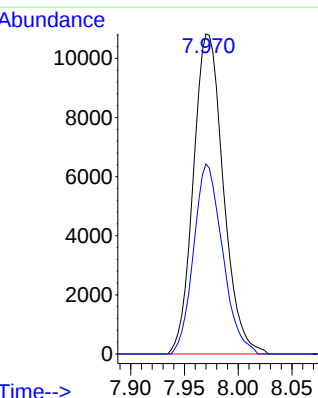
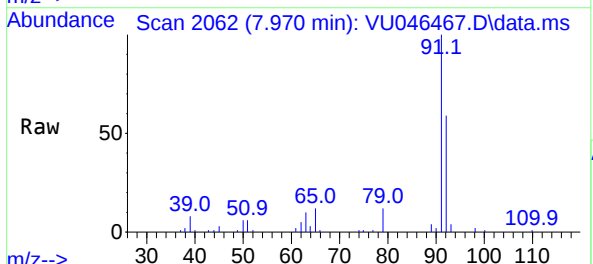
Acq: 17 Dec 2021 13:25

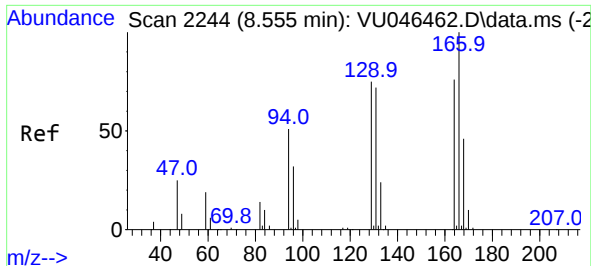
Tgt Ion: 91 Resp: 20989

Ion Ratio Lower Upper

91 100

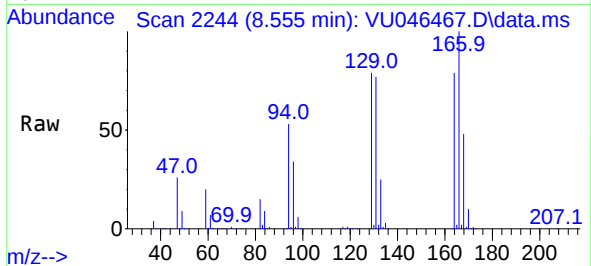
92 59.4 41.9 77.7





#46  
Tetrachloroethene  
Concen: 1198.104 ug/L  
RT: 8.555 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VU046467.D  
Acq: 17 Dec 2021 13:25

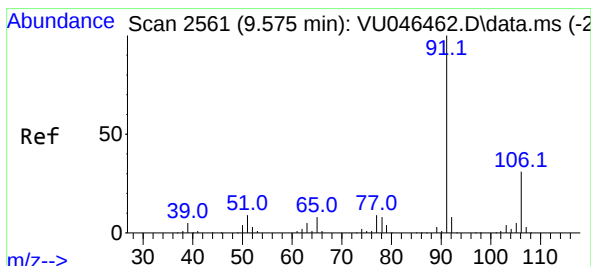
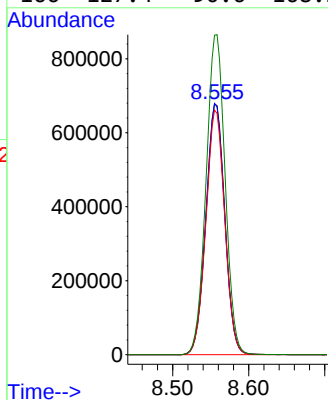
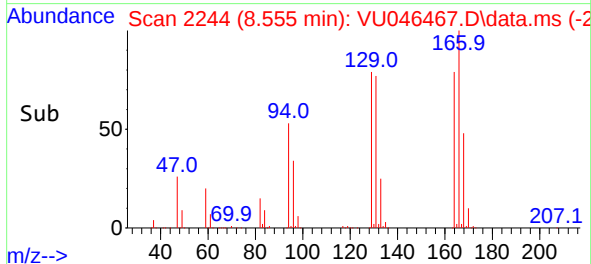
Instrument :  
MSVOA\_U  
ClientSampleId :  
BGL28ME



Tgt Ion:164 Resp: 117422  
Ion Ratio Lower Upper  
164 100  
129 100.1 71.1 132.1  
131 97.5 67.8 126.0  
166 127.4 90.6 168.2

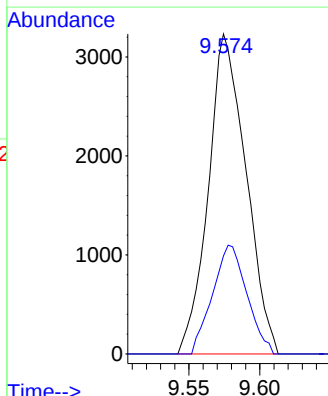
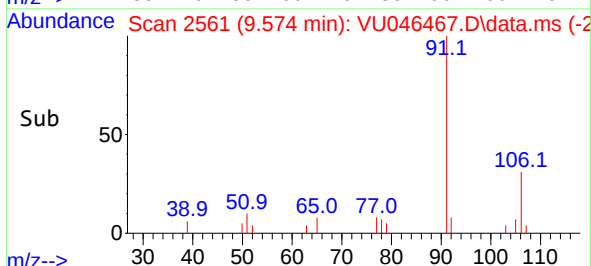
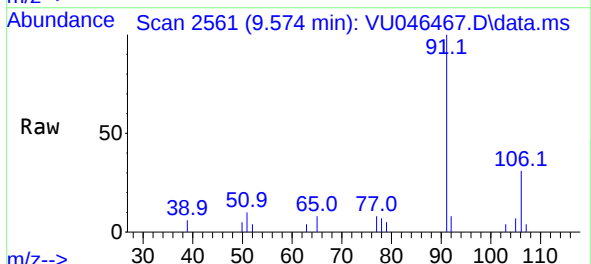
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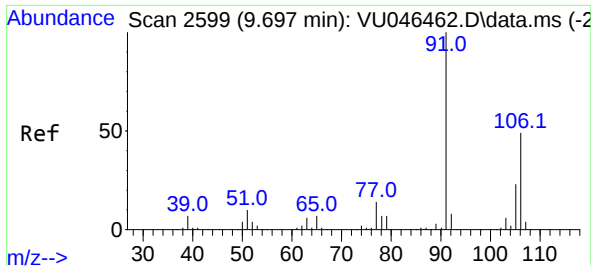
Reviewed By :John Carlone 12/22/2021  
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#52  
Ethylbenzene  
Concen: 1.020 ug/L  
RT: 9.574 min Scan# 2561  
Delta R.T. 0.003 min  
Lab File: VU046467.D  
Acq: 17 Dec 2021 13:25

Tgt Ion: 91 Resp: 5964  
Ion Ratio Lower Upper  
91 100  
106 30.6 21.1 39.3





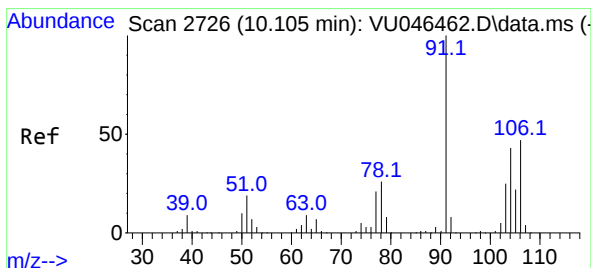
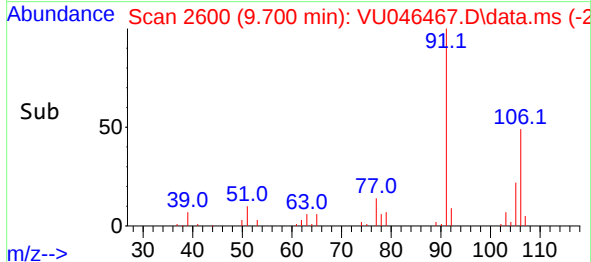
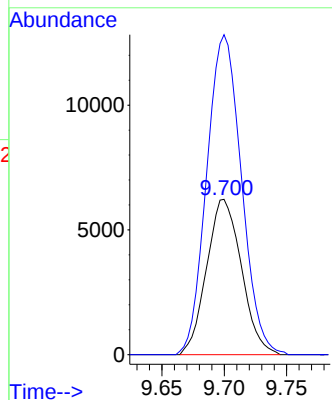
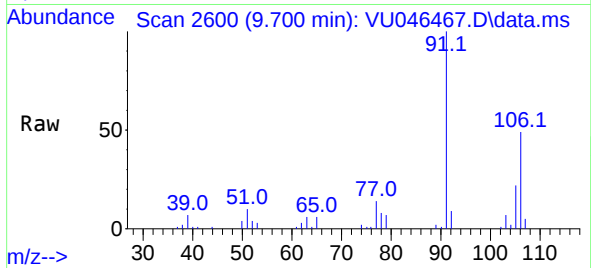
#53  
m,p-Xylene  
Concen: 5.318 ug/L  
RT: 9.700 min Scan# 2124  
Delta R.T. 0.003 min  
Lab File: VU046467.D  
Acq: 17 Dec 2021 13:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
BGL28ME

Tgt Ion:106 Resp: 12124  
Ion Ratio Lower Upper  
106 100  
91 206.0 144.3 268.1

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#54  
o-xylene  
Concen: 1.819 ug/L  
RT: 10.108 min Scan# 2727  
Delta R.T. 0.006 min  
Lab File: VU046467.D  
Acq: 17 Dec 2021 13:25

Tgt Ion:106 Resp: 4025  
Ion Ratio Lower Upper  
106 100  
91 202.8 154.2 286.4

