

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031924\  
 Data File : VU058163.D  
 Acq On : 19 Mar 2024 20:18  
 Operator : MD/SY  
 Sample : P1796-02  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCFY9

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 03/20/2024  
 Supervised By :Semsettin Yesilyurt 03/20/2024

Quant Time: Mar 20 05:23:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR022924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Mar 20 05:19:57 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response  | Conc     | Units     | Dev(Min) |
|-------------------------------|--------|----------------|-----------|----------|-----------|----------|
| -----                         |        |                |           |          |           |          |
| Internal Standards            |        |                |           |          |           |          |
| 1) 1,4-Difluorobenzene        | 6.264  | 114            | 131575    | 5.000    | ug/L      | 0.02     |
| 28) Chlorobenzene-d5          | 9.418  | 117            | 121296    | 5.000    | ug/L      | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.810 | 152            | 58226     | 5.000    | ug/L      | 0.00     |
|                               |        |                |           |          |           |          |
| System Monitoring Compounds   |        |                |           |          |           |          |
| 4) Vinyl Chloride-d3          | 1.599  | 65             | 207881    | 21.959   | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery  | =        | 439.200%# |          |
| 7) Chloroethane-d5            | 1.920  | 69             | 36808     | 4.731    | ug/L      | 0.02     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery  | =        | 94.600%   |          |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65             | 19877     | 4.852    | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery  | =        | 97.000%   |          |
| 20) 2-Butanone-d5             | 4.769  | 46             | 83343m    | 53.432   | ug/L      | 0.15     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery  | =        | 106.860%  |          |
| 24) Chloroform-d              | 5.087  | 84             | 79267     | 4.427    | ug/L      | 0.04     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery  | =        | 88.600%   |          |
| 26) 1,2-Dichloroethane-d4     | 5.724  | 65             | 39057     | 4.814    | ug/L      | 0.03     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery  | =        | 96.200%   |          |
| 32) Benzene-d6                | 5.746  | 84             | 170249    | 4.816    | ug/L      | 0.03     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery  | =        | 96.400%   |          |
| 36) 1,2-Dichloropropane-d6    | 6.701  | 67             | 54092     | 5.034    | ug/L      | 0.02     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery  | =        | 100.600%  |          |
| 41) Toluene-d8                | 7.901  | 98             | 150124    | 4.687    | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery  | =        | 93.800%   |          |
| 43) trans-1,3-Dichloroprop... | 8.184  | 79             | 15970     | 4.322    | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery  | =        | 86.400%   |          |
| 46) 2-Hexanone-d5             | 8.647  | 63             | 69358     | 55.903   | ug/L      | 0.02     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery  | =        | 111.800%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84             | 20486     | 3.109    | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery  | =        | 62.200%#  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152            | 47519     | 4.955    | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery  | =        | 99.200%   |          |
|                               |        |                |           |          |           |          |
| Target Compounds              |        |                |           |          |           |          |
| 5) Vinyl chloride             | 1.595  | 62             | 15510035m | 1546.859 | ug/L      | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.576  | 96             | 361267    | 45.507   | ug/L #    | 71       |
| 14) Carbon disulfide          | 2.785  | 76             | 15432     | 0.629    | ug/L      | 97       |
| 18) trans-1,2-Dichloroethene  | 3.341  | 96             | 531499    | 61.464   | ug/L      | 88       |
| 19) 1,1-Dichloroethane        | 3.872  | 63             | 22278     | 1.292    | ug/L      | 97       |
| 22) cis-1,2-Dichloroethene    | 4.682  | 96             | 26996114m | 2837.928 | ug/L      |          |
| 25) Chloroform                | 5.110  | 83             | 6603      | 0.375    | ug/L      | 97       |
| 30) Cyclohexane               | 5.402  | 56             | 26525     | 1.820    | ug/L      | 100      |
| 33) Benzene                   | 5.788  | 78             | 789066    | 21.200   | ug/L      | 100      |
| 34) Trichloroethene           | 6.553  | 95             | 38569     | 3.938    | ug/L      | 97       |
| 35) Methylcyclohexane         | 6.769  | 83             | 134799    | 8.979    | ug/L      | 95       |
| 42) Toluene                   | 7.971  | 91             | 249293    | 6.431    | ug/L      | 100      |
| 52) Ethylbenzene              | 9.569  | 91             | 355330    | 8.192    | ug/L      | 100      |
| 53) m,p-Xylene                | 9.695  | 106            | 126602    | 8.169    | ug/L      | 99       |
| 54) o-Xylene                  | 10.100 | 106            | 95597     | 6.189    | ug/L      | 98       |
| 60) Isopropylbenzene          | 10.483 | 105            | 240517    | 6.202    | ug/L      | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.466 | 105            | 14403     | 0.446    | ug/L      | 97       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180            | 3062      | 0.407    | ug/L #    | 81       |
| -----                         |        |                |           |          |           |          |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031924\  
Data File : VU058163.D  
Acq On : 19 Mar 2024 20:18  
Operator : MD/SY  
Sample : P1796-02  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCFY9

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 03/20/2024  
Supervised By :Semsettin Yesilyurt 03/20/2024

Quant Time: Mar 20 05:23:03 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR022924WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Mar 20 05:19:57 2024  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

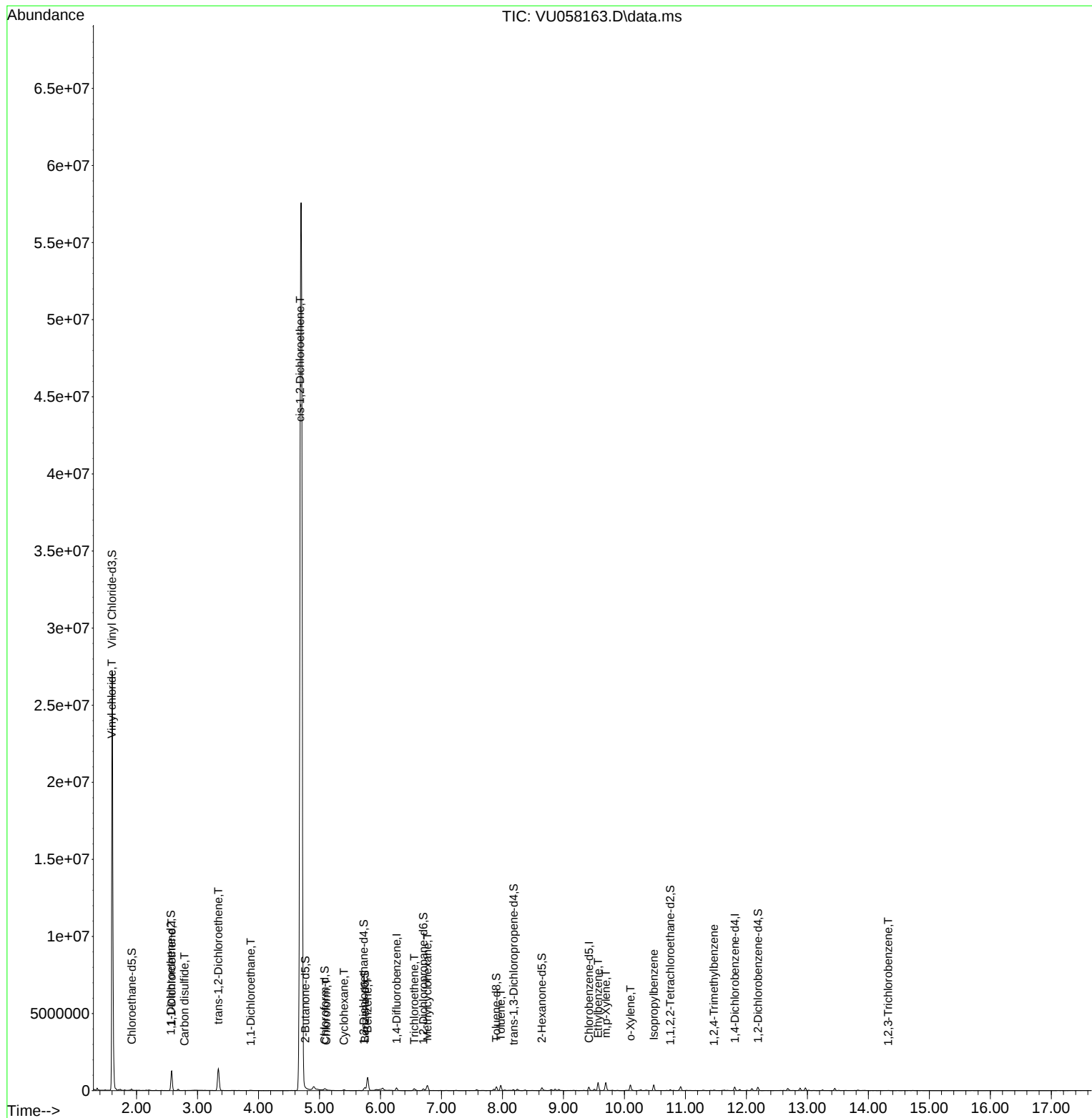
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Data File : VU058163.D  
Acq On : 19 Mar 2024 20:18  
Operator : MD/SY  
Sample : P1796-02  
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ALS Vial : 14 Sample Multiplier: 1

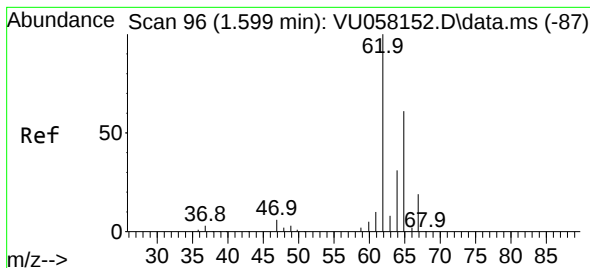
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCFY9

Quant Time: Mar 20 05:23:03 2024  
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#5

Vinyl chloride

Concen: 1546.859 ug/L m

RT: 1.595 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU058163.D

Acq: 19 Mar 2024 20:18

Instrument :

MSVOA\_U

ClientSampleId :

GCFY9

Tgt Ion: 62 Resp:1551003

Ion Ratio Lower Upper

62 100

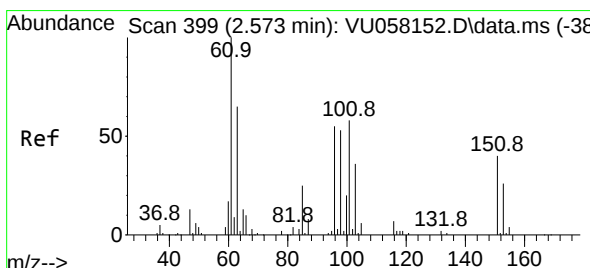
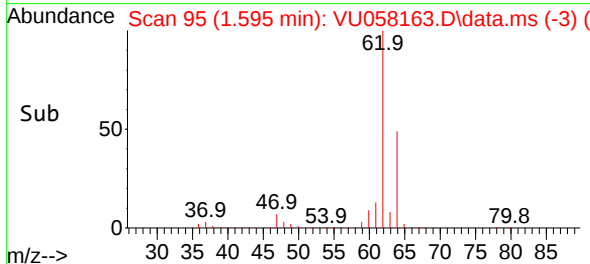
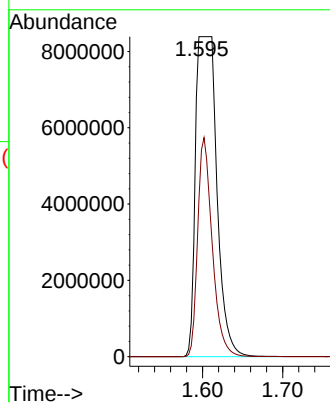
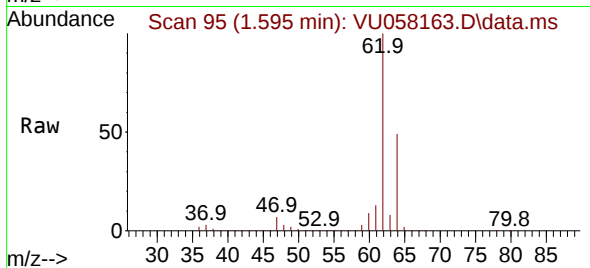
64 48.9 22.5 41.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 03/20/2024

Supervised By :Semsettin Yesilyurt 03/20/2024



#12

1,1-Dichloroethene

Concen: 45.507 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU058163.D

Acq: 19 Mar 2024 20:18

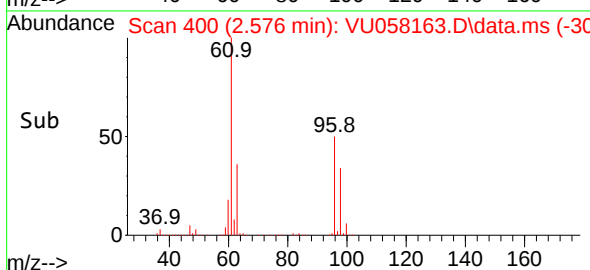
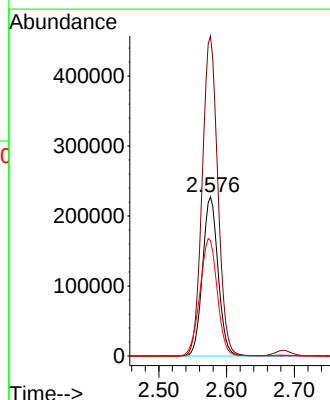
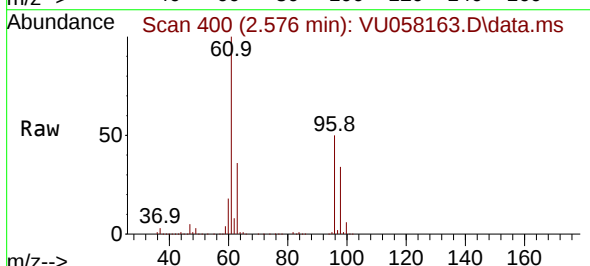
Tgt Ion: 96 Resp: 361267

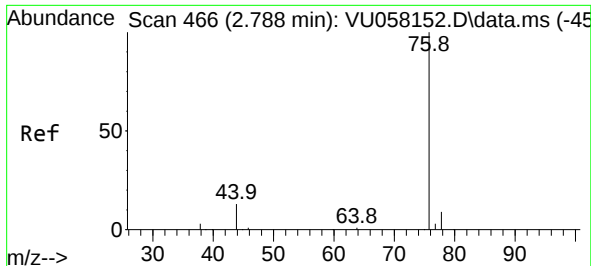
Ion Ratio Lower Upper

96 100

61 201.2 131.8 244.8

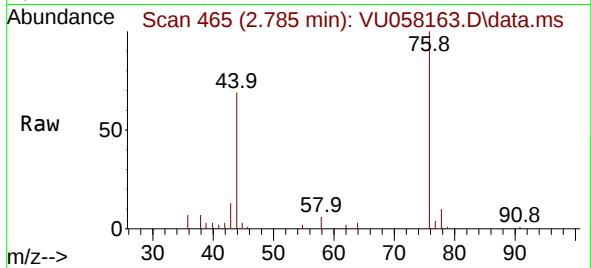
63 72.6 98.1 182.1





#14  
Carbon disulfide  
Concen: 0.629 ug/L  
RT: 2.785 min Scan# 465  
Delta R.T. -0.003 min  
Lab File: VU058163.D  
Acq: 19 Mar 2024 20:18

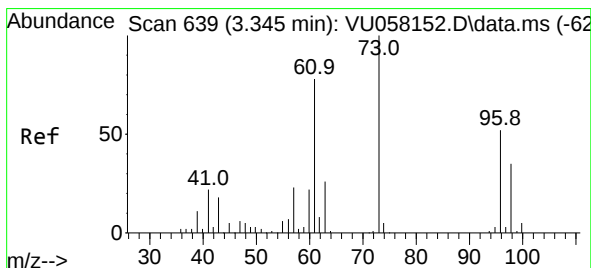
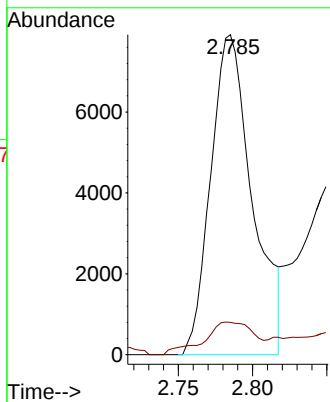
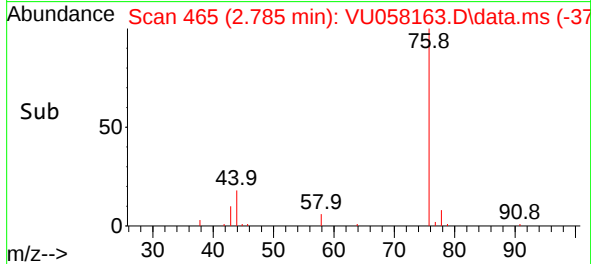
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCFY9



Tgt Ion: 76 Resp: 1543  
Ion Ratio Lower Upper  
76 100  
78 10.1 7.3 10.9

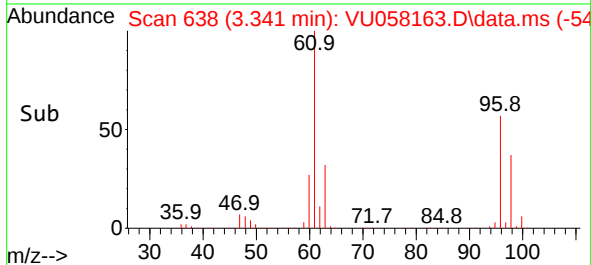
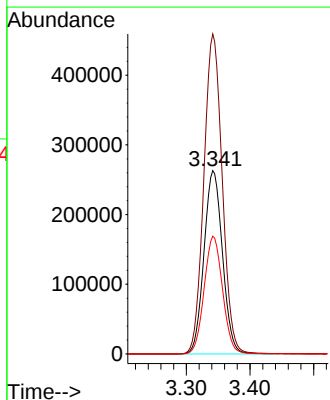
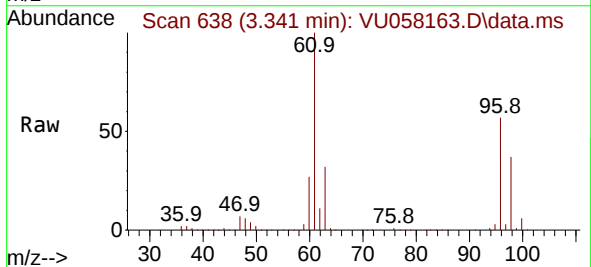
Manual Integrations  
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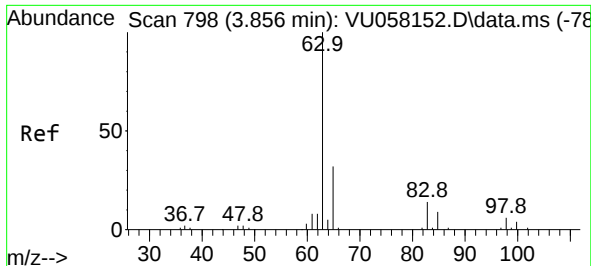
Reviewed By :Mahesh Dadoda 03/20/2024  
Supervised By :Semsettin Yesilyurt 03/20/2024



#18  
trans-1,2-Dichloroethene  
Concen: 61.464 ug/L  
RT: 3.341 min Scan# 638  
Delta R.T. -0.003 min  
Lab File: VU058163.D  
Acq: 19 Mar 2024 20:18

Tgt Ion: 96 Resp: 531499  
Ion Ratio Lower Upper  
96 100  
61 174.6 107.7 199.9  
98 64.2 45.8 85.0





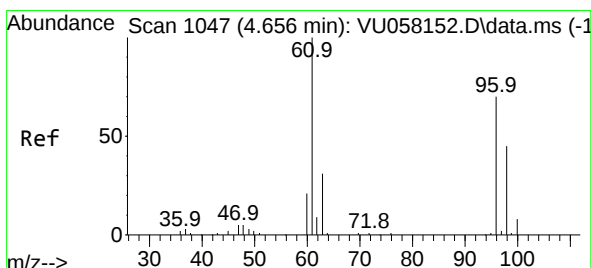
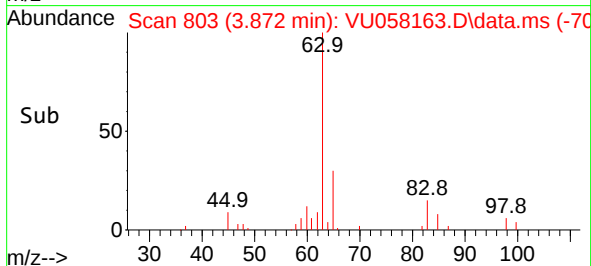
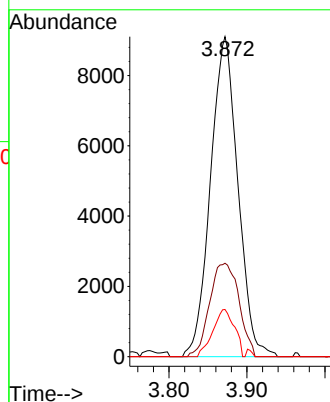
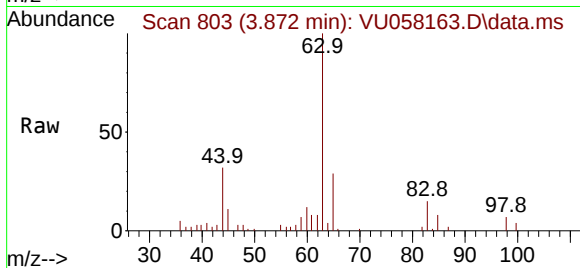
#19  
1,1-Dichloroethane  
Concen: 1.292 ug/L  
RT: 3.872 min Scan# 80  
Delta R.T. 0.016 min  
Lab File: VU058163.D  
Acq: 19 Mar 2024 20:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCFY9

Tgt Ion: 63 Resp: 22278  
Ion Ratio Lower Upper  
63 100  
65 30.6 22.1 41.1  
83 14.8 9.0 16.6

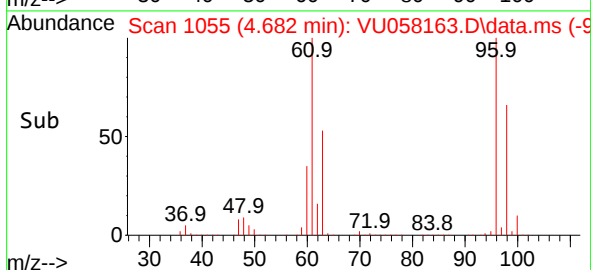
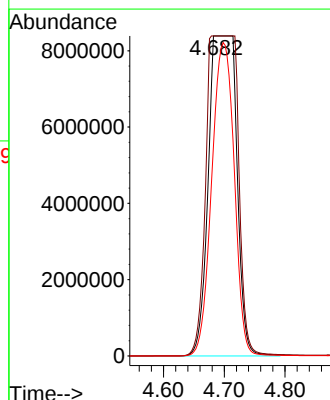
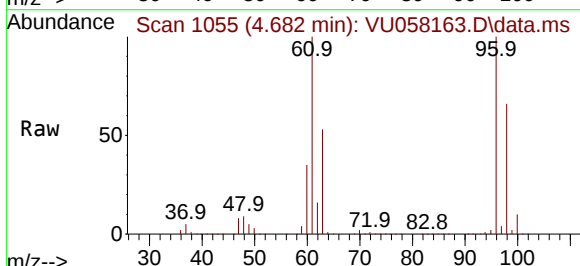
Manual Integrations  
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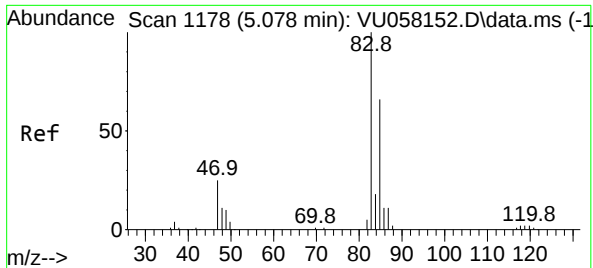
Reviewed By :Mahesh Dadoda 03/20/2024  
Supervised By :Semsettin Yesilyurt 03/20/2024



#22  
cis-1,2-Dichloroethene  
Concen: 2837.928 ug/L m  
RT: 4.682 min Scan# 1055  
Delta R.T. 0.026 min  
Lab File: VU058163.D  
Acq: 19 Mar 2024 20:18

Tgt Ion: 96 Resp:26996114  
Ion Ratio Lower Upper  
96 100  
61 100.0 97.2 180.4  
98 65.8 45.5 84.5





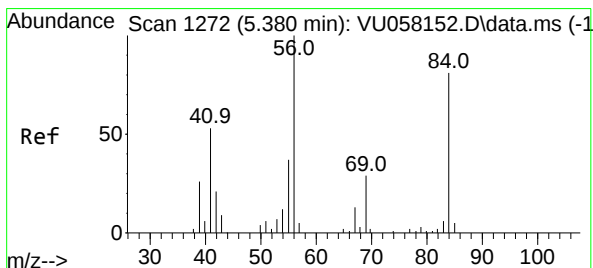
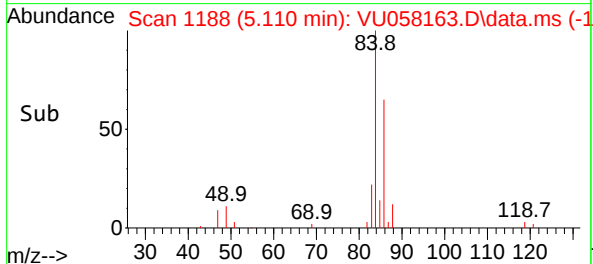
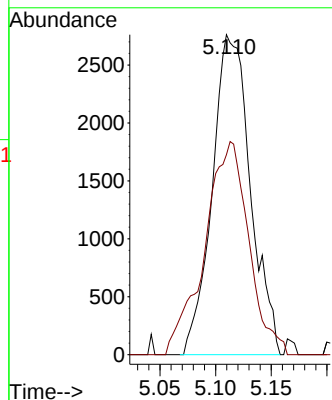
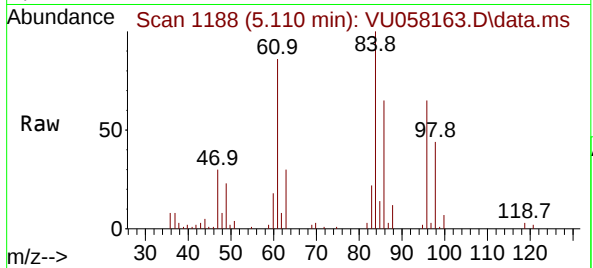
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Chloroform  
Concen: 0.375 ug/L  
RT: 5.110 min Scan# 1178  
Delta R.T. 0.032 min  
Lab File: VU058163.D  
Acq: 19 Mar 2024 20:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCFY9

Tgt Ion: 83 Resp: 660  
Ion Ratio Lower Upper  
83 100  
85 62.5 45.4 84.4

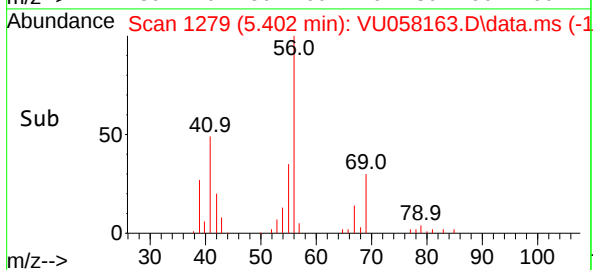
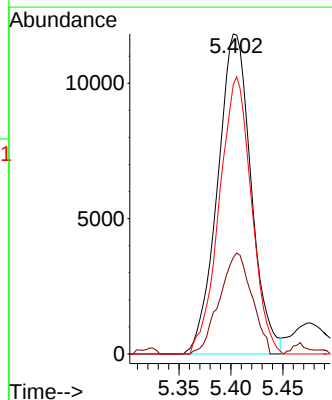
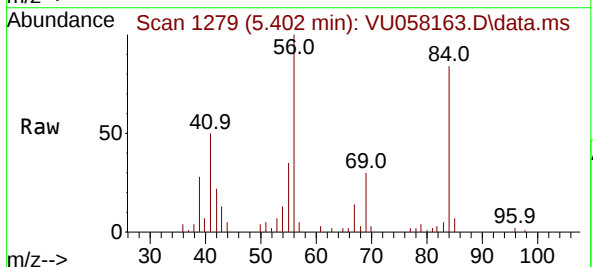
Manual Integrations  
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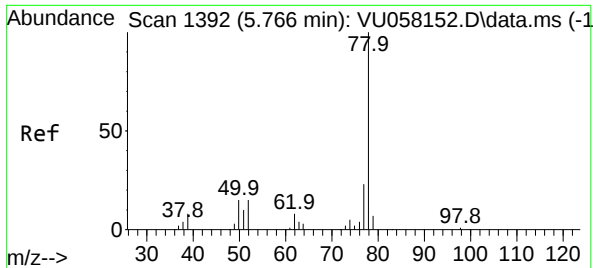
Reviewed By :Mahesh Dadoda 03/20/2024  
Supervised By :Semsettin Yesilyurt 03/20/2024



#30  
Cyclohexane  
Concen: 1.820 ug/L  
RT: 5.402 min Scan# 1279  
Delta R.T. 0.023 min  
Lab File: VU058163.D  
Acq: 19 Mar 2024 20:18

Tgt Ion: 56 Resp: 26525  
Ion Ratio Lower Upper  
56 100  
69 30.4 24.2 36.2  
84 82.9 66.6 99.8





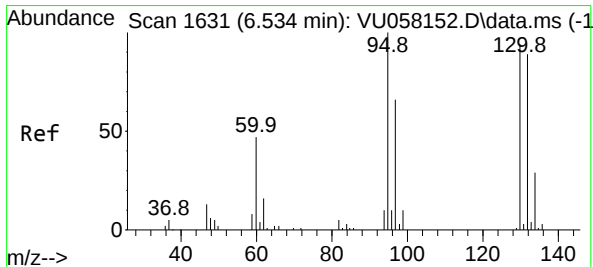
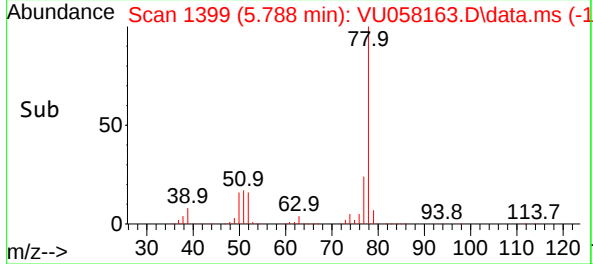
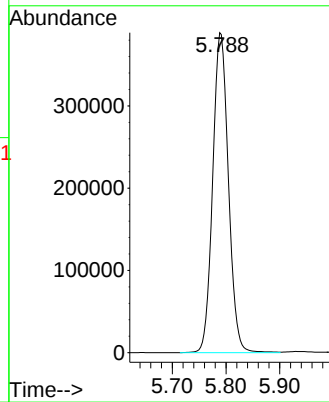
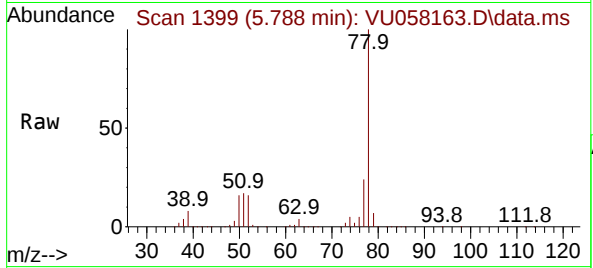
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Benzene  
Concen: 21.200 ug/L  
RT: 5.788 min Scan# 11  
Delta R.T. 0.023 min  
Lab File: VU058163.D  
Acq: 19 Mar 2024 20:18

Instrument :  
MSVOA\_U  
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GCFY9

Tgt Ion: 78 Resp: 78906

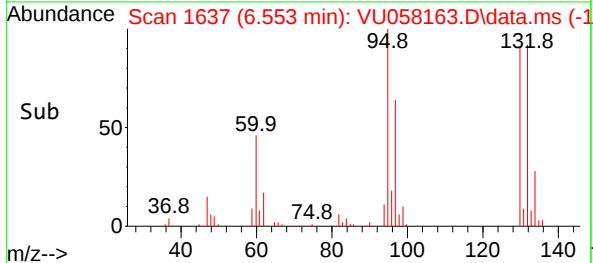
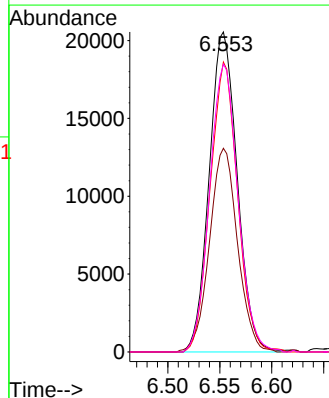
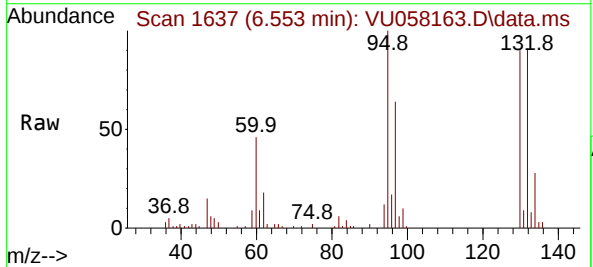
Manual Integrations  
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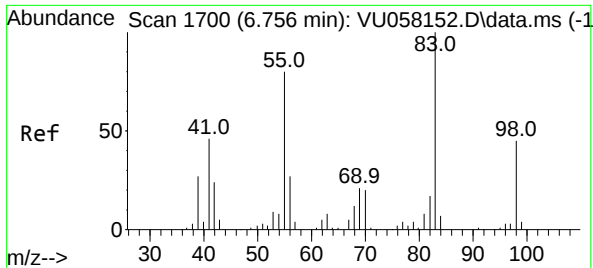
Reviewed By :Mahesh Dadoda 03/20/2024  
Supervised By :Semsettin Yesilyurt 03/20/2024



#34  
Trichloroethene  
Concen: 3.938 ug/L  
RT: 6.553 min Scan# 1637  
Delta R.T. 0.019 min  
Lab File: VU058163.D  
Acq: 19 Mar 2024 20:18

Tgt Ion: 95 Resp: 38569  
Ion Ratio Lower Upper  
95 100  
97 63.6 45.3 84.1  
132 90.6 63.1 117.1  
130 90.0 67.6 125.6





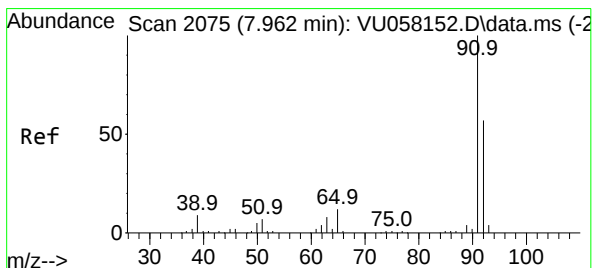
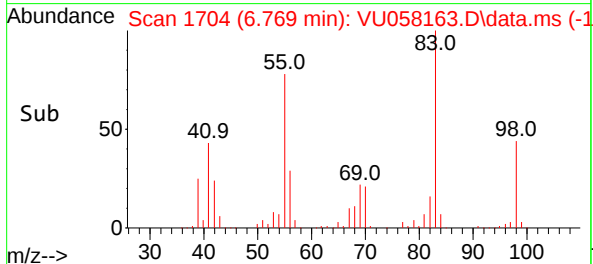
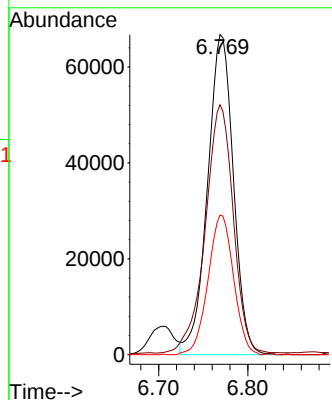
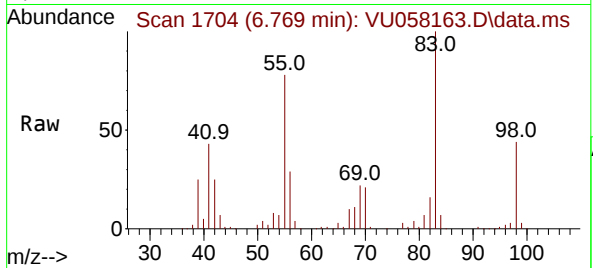
#35  
Methylcyclohexane  
Concen: 8.979 ug/L  
RT: 6.769 min Scan# 1704  
Delta R.T. 0.013 min  
Lab File: VU058163.D  
Acq: 19 Mar 2024 20:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCFY9

Tgt Ion: 83 Resp: 134799  
Ion Ratio Lower Upper  
83 100  
55 83.6 63.0 94.6  
98 43.1 36.2 54.4

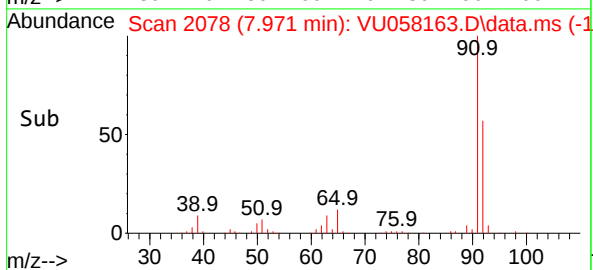
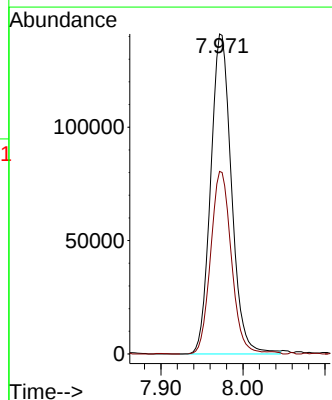
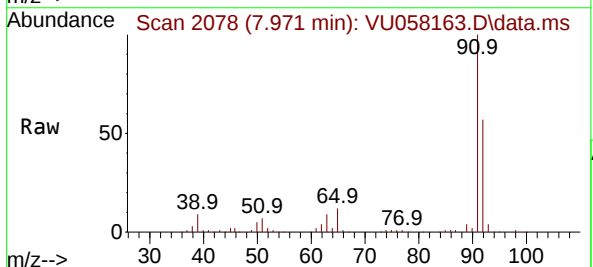
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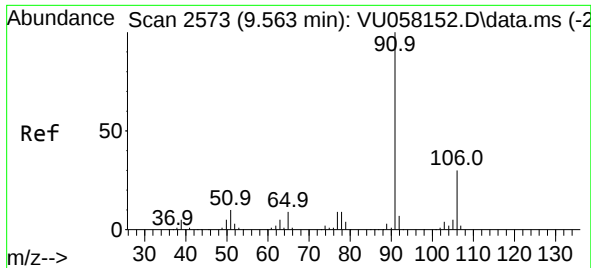
Reviewed By :Mahesh Dadoda 03/20/2024  
Supervised By :Semsettin Yesilyurt 03/20/2024



#42  
Toluene  
Concen: 6.431 ug/L  
RT: 7.971 min Scan# 2078  
Delta R.T. 0.010 min  
Lab File: VU058163.D  
Acq: 19 Mar 2024 20:18

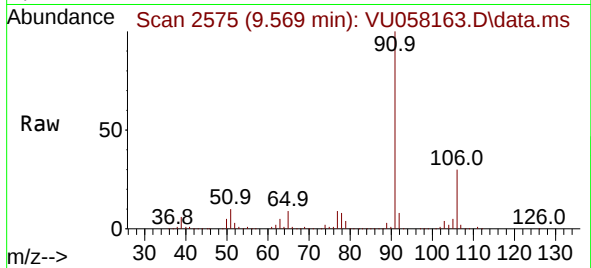
Tgt Ion: 91 Resp: 249293  
Ion Ratio Lower Upper  
91 100  
92 57.1 40.2 74.6





#52  
Ethylbenzene  
Concen: 8.192 ug/L  
RT: 9.569 min Scan# 2573  
Delta R.T. 0.006 min  
Lab File: VU058163.D  
Acq: 19 Mar 2024 20:18

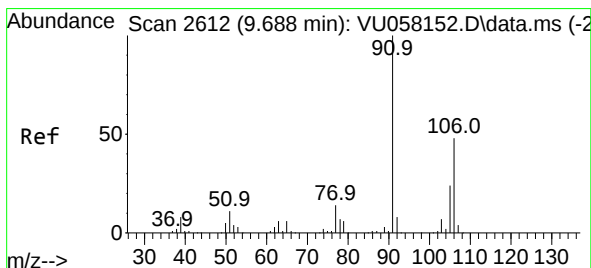
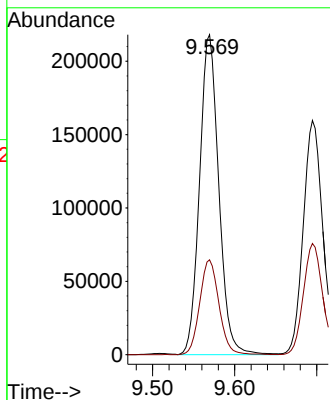
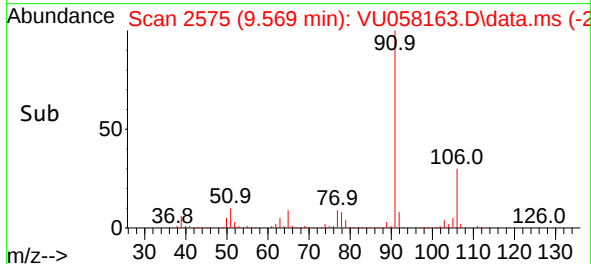
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCFY9



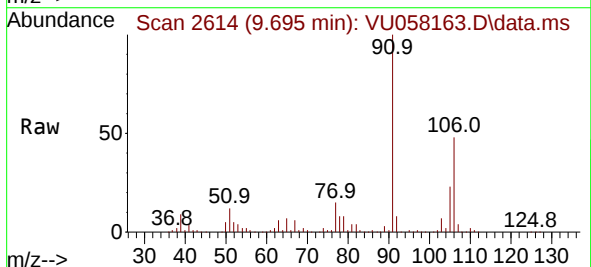
Tgt Ion: 91 Resp: 355330  
Ion Ratio Lower Upper  
91 100  
106 29.7 20.9 38.7

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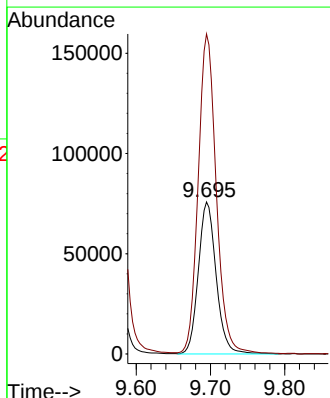
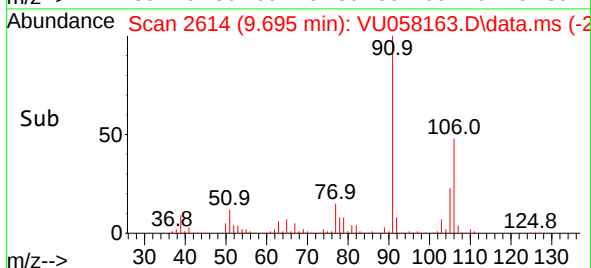
Reviewed By :Mahesh Dadoda 03/20/2024  
Supervised By :Semsettin Yesilyurt 03/20/2024

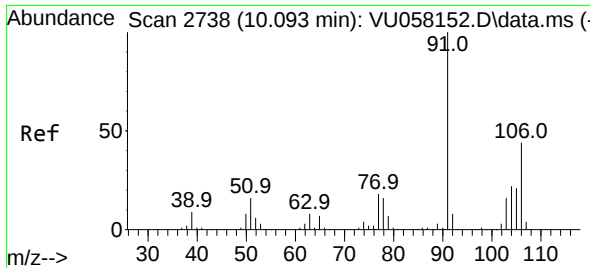


#53  
m,p-Xylene  
Concen: 8.169 ug/L  
RT: 9.695 min Scan# 2614  
Delta R.T. 0.006 min  
Lab File: VU058163.D  
Acq: 19 Mar 2024 20:18



Tgt Ion:106 Resp: 126602  
Ion Ratio Lower Upper  
106 100  
91 210.4 148.8 276.4





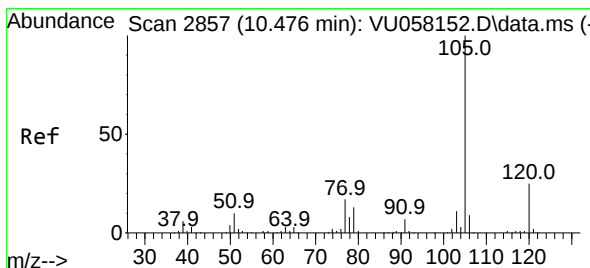
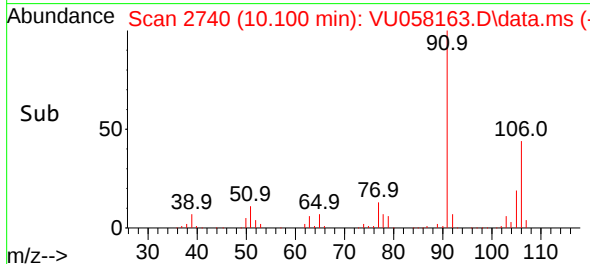
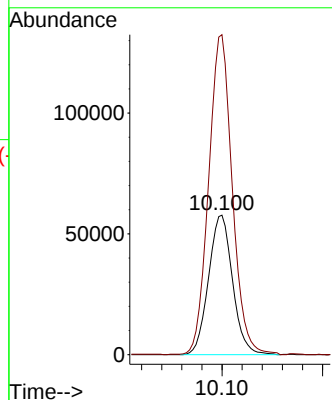
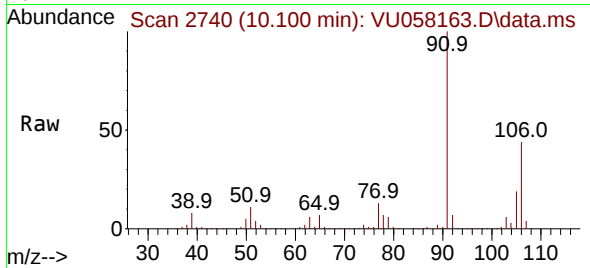
#54  
o-Xylene  
Concen: 6.189 ug/L  
RT: 10.100 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU058163.D  
Acq: 19 Mar 2024 20:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCFY9

Tgt Ion:106 Resp: 9559  
Ion Ratio Lower Upper  
106 100  
91 229.3 158.3 294.1

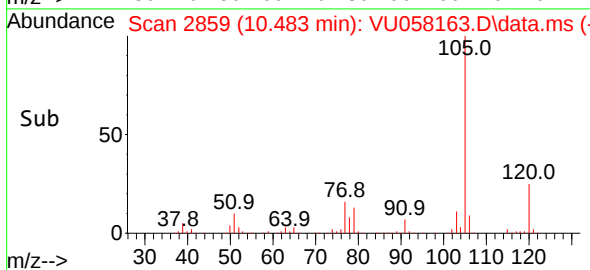
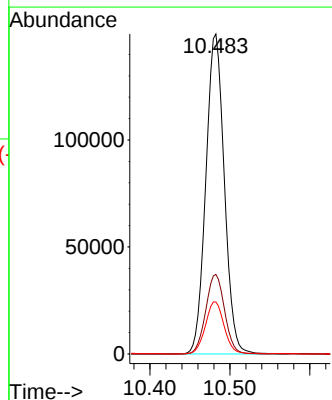
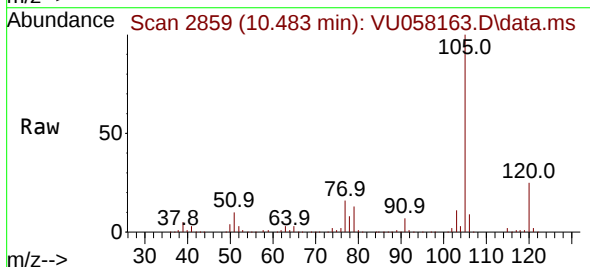
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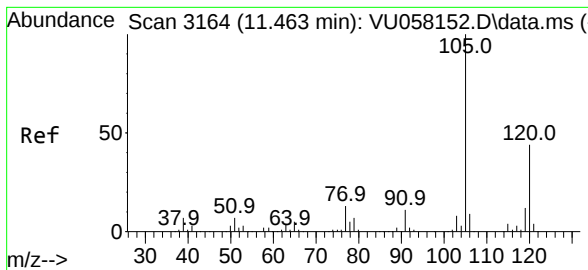
Reviewed By :Mahesh Dadoda 03/20/2024  
Supervised By :Semsettin Yesilyurt 03/20/2024



#60  
Isopropylbenzene  
Concen: 6.202 ug/L  
RT: 10.483 min Scan# 2859  
Delta R.T. 0.006 min  
Lab File: VU058163.D  
Acq: 19 Mar 2024 20:18

Tgt Ion:105 Resp: 240517  
Ion Ratio Lower Upper  
105 100  
120 25.4 20.4 30.6  
77 16.7 13.2 19.8





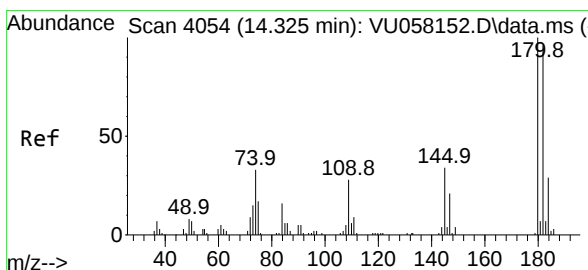
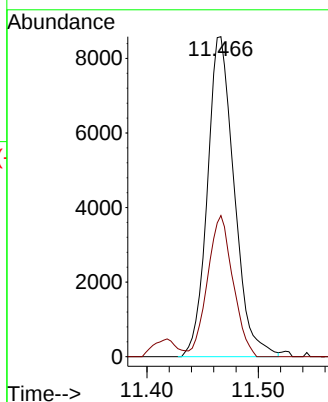
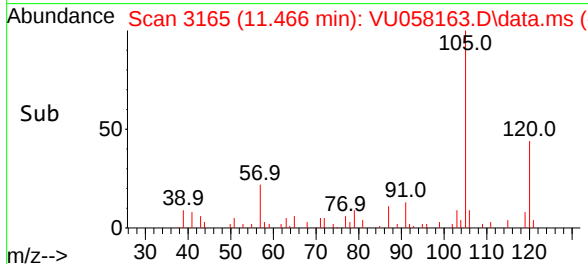
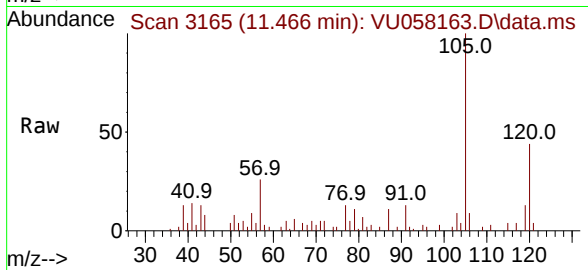
#63  
1,2,4-Trimethylbenzene  
Concen: 0.446 ug/L  
RT: 11.466 min Scan# 3164  
Delta R.T. 0.003 min  
Lab File: VU058163.D  
Acq: 19 Mar 2024 20:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCFY9

Tgt Ion:105 Resp: 1440  
Ion Ratio Lower Upper  
105 100  
120 41.6 34.8 52.2

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 03/20/2024  
Supervised By :Semsettin Yesilyurt 03/20/2024



#72  
1,2,3-Trichlorobenzene  
Concen: 0.407 ug/L  
RT: 14.325 min Scan# 4054  
Delta R.T. 0.000 min  
Lab File: VU058163.D  
Acq: 19 Mar 2024 20:18

Tgt Ion:180 Resp: 3062  
Ion Ratio Lower Upper  
180 100  
182 99.8 77.6 116.4  
145 73.8 28.7 43.1#

