

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040922\  
 Data File : VU047887.D  
 Acq On : 08 Apr 2022 23:10  
 Operator : SY/MD  
 Sample : N2343-17  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0J70

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/14/2022  
 Supervised By : Mahesh Dadoda 04/14/2022

Quant Time: Apr 09 02:09:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 09 01:58:44 2022  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response  | Conc     | Units    | Dev(Min) |
|-------------------------------|----------|-------|-----------|----------|----------|----------|
| -----                         |          |       |           |          |          |          |
| Internal Standards            |          |       |           |          |          |          |
| 1) 1,4-Difluorobenzene        | 6.253    | 114   | 366325    | 50.000   | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.446    | 117   | 396499    | 50.000   | ug/L     | 0.03     |
| 58) 1,4-Dichlorobenzene-d4    | 11.822   | 152   | 256017    | 50.000   | ug/L     | # 0.00   |
|                               |          |       |           |          |          |          |
| System Monitoring Compounds   |          |       |           |          |          |          |
| 4) Vinyl Chloride-d3          | 1.601    | 65    | 117080    | 44.074   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 135 | Recovery  | =        | 88.140%  |          |
| 7) Chloroethane-d5            | 1.916    | 69    | 99095     | 47.309   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 130 | Recovery  | =        | 94.620%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.568    | 63    | 156790    | 32.260   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery  | =        | 64.520%  |          |
| 21) 2-Butanone-d5             | 4.620    | 46    | 186818    | 81.934   | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 40 | - 130 | Recovery  | =        | 81.930%  |          |
| 24) Chloroform-d              | 5.067    | 84    | 208921    | 42.982   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery  | =        | 85.960%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.713    | 65    | 152129    | 51.031   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery  | =        | 102.060% |          |
| 32) Benzene-d6                | 5.755    | 84    | 464636    | 46.571   | ug/L     | 0.03     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery  | =        | 93.140%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.694    | 67    | 144333    | 47.106   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 120 | Recovery  | =        | 94.220%  |          |
| 41) Toluene-d8                | 7.899    | 98    | 407369    | 41.908   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery  | =        | 83.820%  |          |
| 43) trans-1,3-Dichloroprop... | 8.179    | 79    | 60825     | 39.184   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery  | =        | 78.360%  |          |
| 47) 2-Hexanone-d5             | 8.639    | 63    | 146864    | 81.878   | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 45 | - 130 | Recovery  | =        | 81.880%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758   | 84    | 236814    | 45.035   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 65 | - 120 | Recovery  | =        | 90.080%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.201   | 152   | 211376    | 46.407   | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery  | =        | 92.820%  |          |
|                               |          |       |           |          |          |          |
| Target Compounds              |          |       |           |          |          | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.581    | 96    | 20401     | 8.119    | ug/L     | # 1      |
| 17) trans-1,2-Dichloroethene  | 3.359    | 96    | 3933      | 1.451    | ug/L     | 87       |
| 20) cis-1,2-Dichloroethene    | 4.671    | 96    | 5041      | 1.697    | ug/L     | 99       |
| 29) Cyclohexane               | 5.395    | 56    | 9800      | 2.436    | ug/L     | 94       |
| 33) Benzene                   | 5.764    | 78    | 55304548m | 4818.825 | ug/L     |          |
| 42) Toluene                   | 7.973    | 91    | 18119     | 1.439    | ug/L     | 97       |
| 51) Chlorobenzene             | 9.443    | 112   | 41892327m | 4899.487 | ug/L     |          |
| 64) 1,3-Dichlorobenzene       | 11.748   | 146   | 1790974   | 232.879  | ug/L     | 99       |
| 65) 1,4-Dichlorobenzene       | 11.835   | 146   | 20188276m | 2534.348 | ug/L     |          |
| 67) 1,2-Dichlorobenzene       | 12.214   | 146   | 17062438m | 2217.300 | ug/L     |          |
| 70) 1,2,4-trichlorobenzene    | 13.841   | 180   | 469148    | 85.755   | ug/L     | 100      |
| -----                         |          |       |           |          |          |          |

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

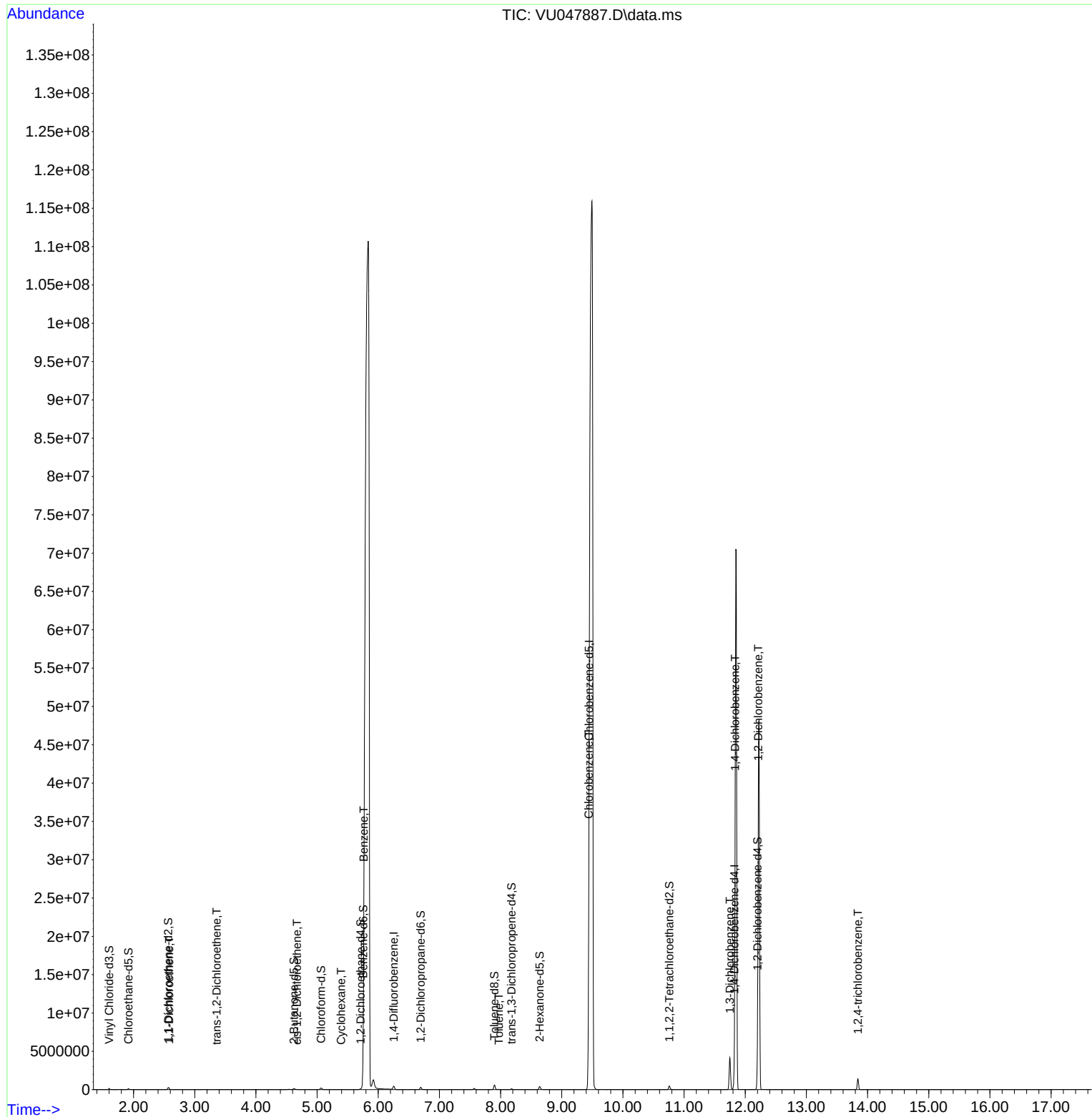
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040922\  
Data File : VU047887.D  
Acq On : 08 Apr 2022 23:10  
Operator : SY/MD  
Sample : N2343-17  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 19 Sample Multiplier: 1

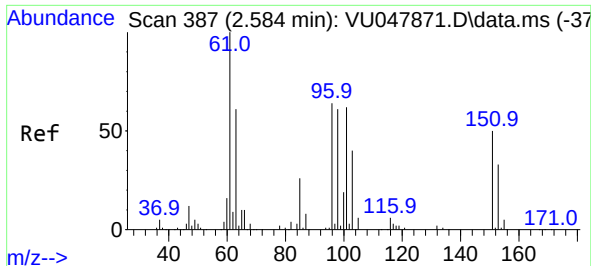
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0J70

Manual Integrations  
APPROVED

Reviewed By : John Carlone 04/14/2022  
Supervised By : Mahesh Dadoda 04/14/2022

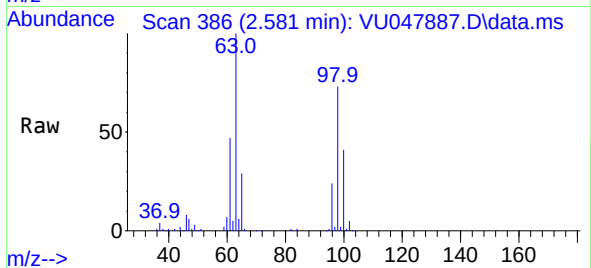
Quant Time: Apr 09 02:09:05 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 09 01:58:44 2022  
Response via : Initial Calibration





#12  
1,1-Dichloroethene  
Concen: 8.119 ug/L  
RT: 2.581 min Scan# 387  
Delta R.T. -0.003 min  
Lab File: VU047887.D  
Acq: 08 Apr 2022 23:10

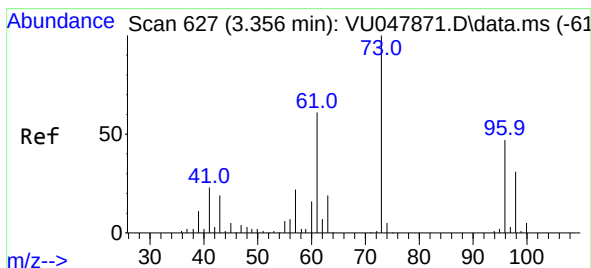
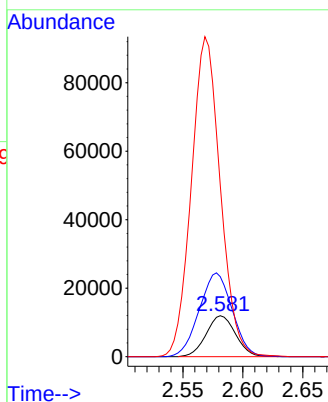
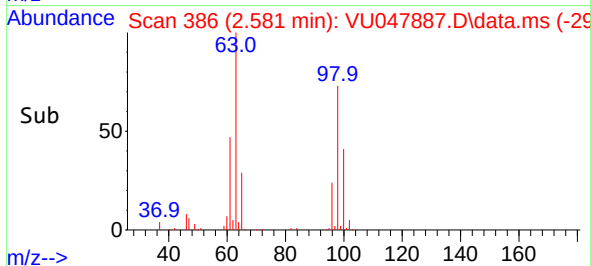
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0J70



Tgt Ion: 96 Resp: 2040  
Ion Ratio Lower Upper  
96 100  
61 195.4 113.1 210.1  
63 418.2 94.8 176.0

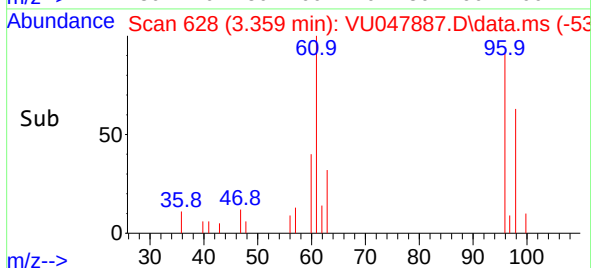
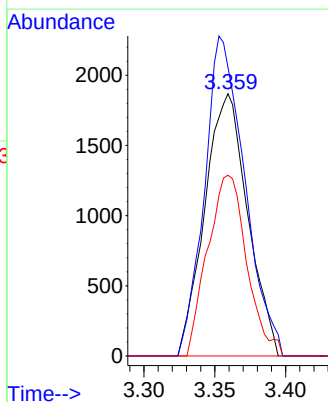
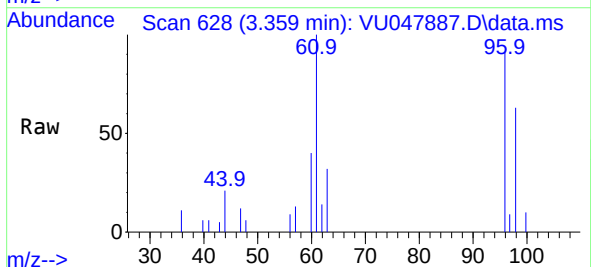
Manual Integrations  
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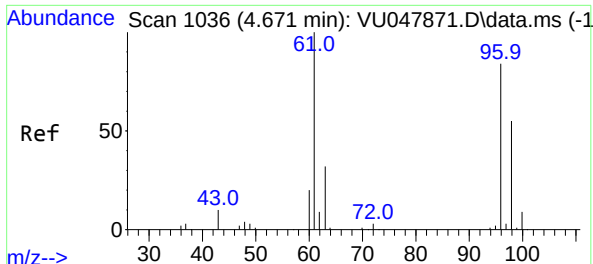
Reviewed By :John Carlone 04/14/2022  
Supervised By :Mahesh Dadoda 04/14/2022



#17  
trans-1,2-Dichloroethene  
Concen: 1.451 ug/L  
RT: 3.359 min Scan# 628  
Delta R.T. 0.003 min  
Lab File: VU047887.D  
Acq: 08 Apr 2022 23:10

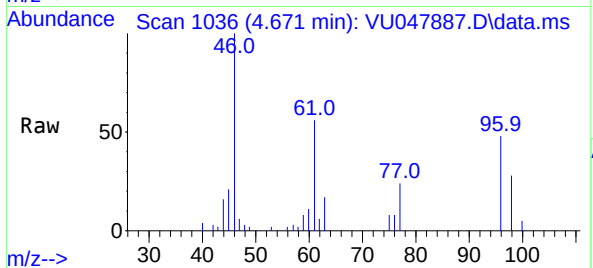
Tgt Ion: 96 Resp: 3933  
Ion Ratio Lower Upper  
96 100  
61 110.1 88.4 164.2  
98 68.9 43.3 80.5





#20  
cis-1,2-Dichloroethene  
Concen: 1.697 ug/L  
RT: 4.671 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VU047887.D  
Acq: 08 Apr 2022 23:10

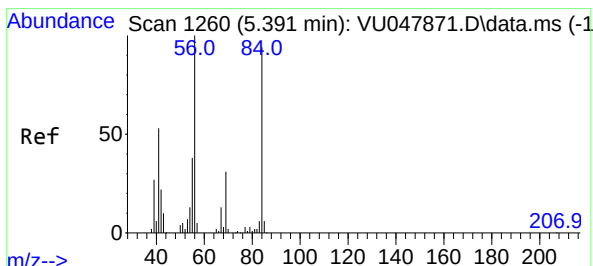
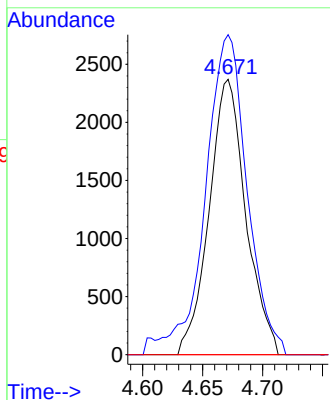
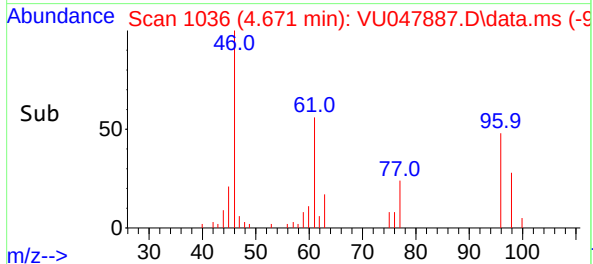
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0J70



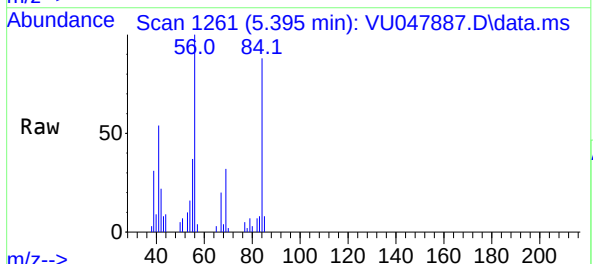
Tgt Ion: 96 Resp: 504  
Ion Ratio Lower Upper  
96 100  
61 116.2 80.7 149.9  
68 0.0 0.0 0.0

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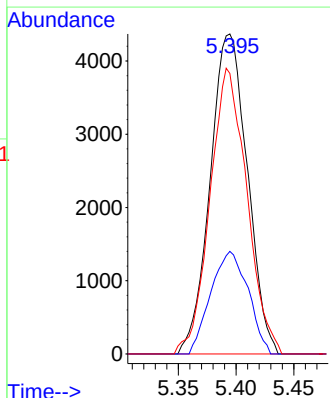
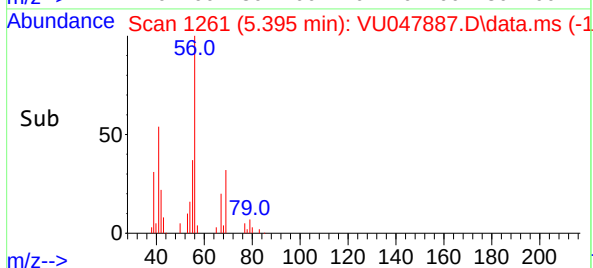
Reviewed By :John Carlone 04/14/2022  
Supervised By :Mahesh Dadoda 04/14/2022

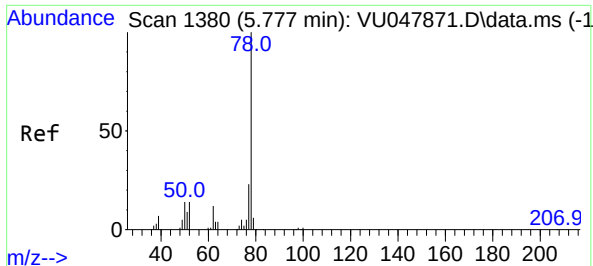


#29  
Cyclohexane  
Concen: 2.436 ug/L  
RT: 5.395 min Scan# 1261  
Delta R.T. 0.003 min  
Lab File: VU047887.D  
Acq: 08 Apr 2022 23:10



Tgt Ion: 56 Resp: 9800  
Ion Ratio Lower Upper  
56 100  
69 32.1 25.4 38.2  
84 88.4 77.0 115.6





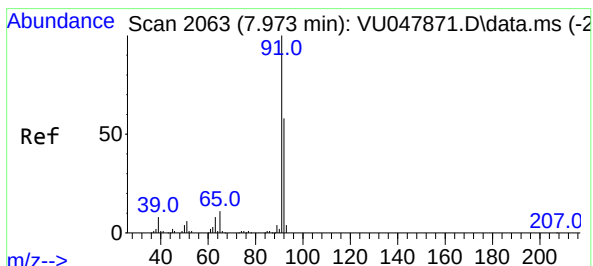
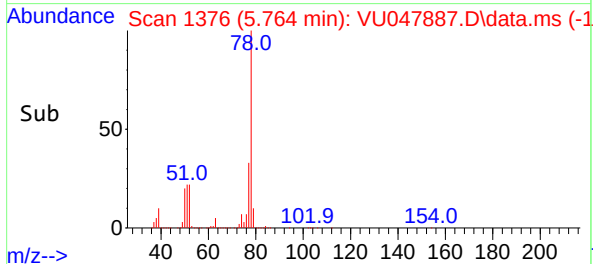
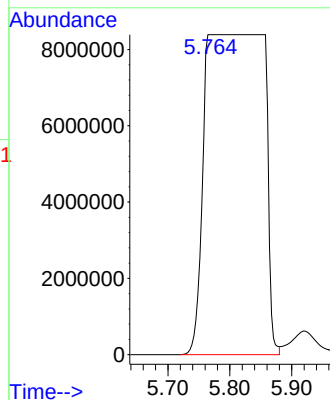
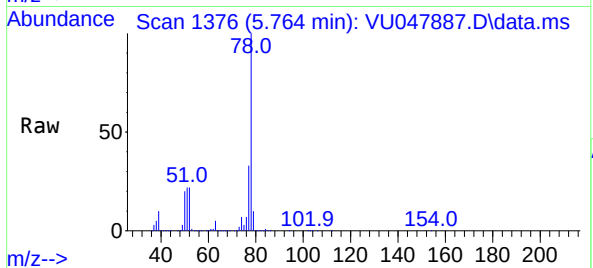
#33  
Benzene  
Concen: 4818.825 ug/L m  
RT: 5.764 min Scan# 11  
Delta R.T. -0.013 min  
Lab File: VU047887.D  
Acq: 08 Apr 2022 23:10

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0J70

Tgt Ion: 78 Resp:5530454

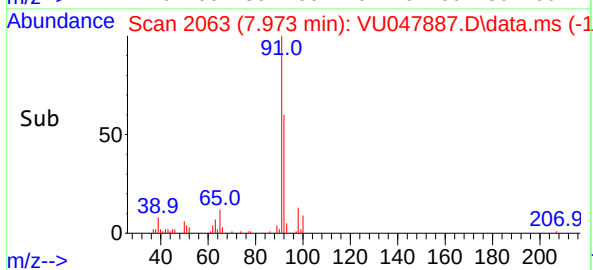
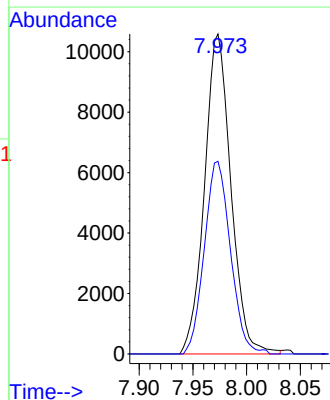
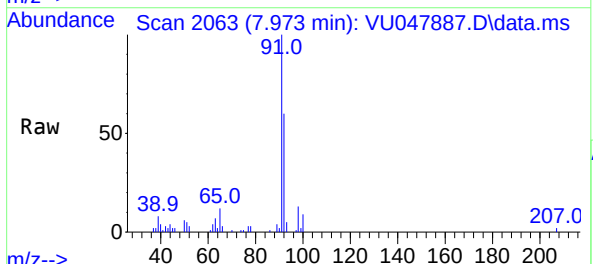
Manual Integrations  
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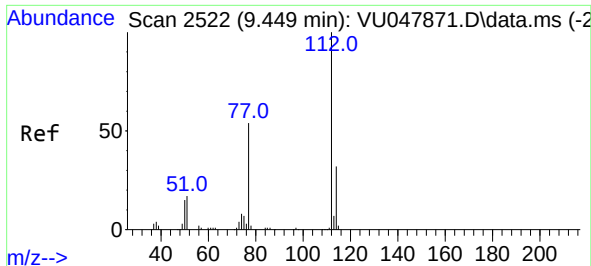
Reviewed By :John Carlone 04/14/2022  
Supervised By :Mahesh Dadoda 04/14/2022



#42  
Toluene  
Concen: 1.439 ug/L  
RT: 7.973 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: VU047887.D  
Acq: 08 Apr 2022 23:10

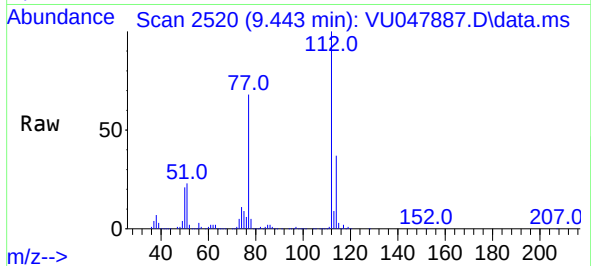
Tgt Ion: 91 Resp: 18119  
Ion Ratio Lower Upper  
91 100  
92 60.2 40.4 75.0





#51  
Chlorobenzene  
Concen: 4899.487 ug/L m  
RT: 9.443 min Scan# 2522  
Delta R.T. -0.006 min  
Lab File: VU047887.D  
Acq: 08 Apr 2022 23:10

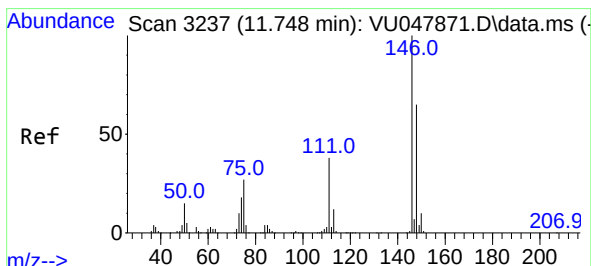
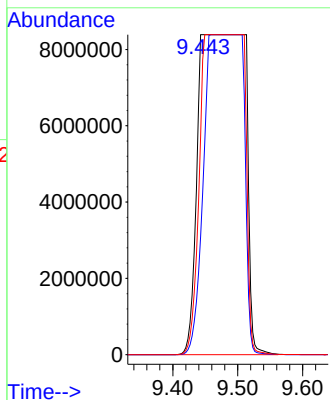
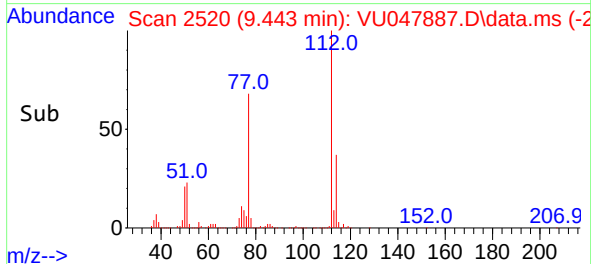
Instrument :  
MSVOA\_U  
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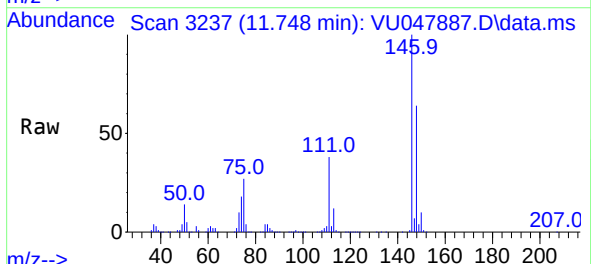
Tgt Ion:112 Resp:4189232  
Ion Ratio Lower Upper  
112 100  
114 36.8 22.1 41.1  
77 67.9 43.4 65.0

Manual Integrations  
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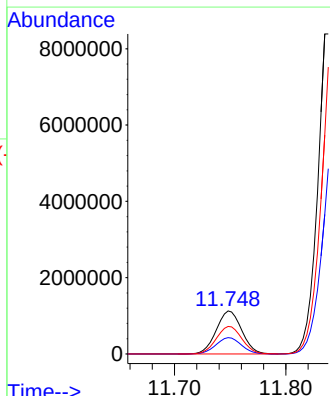
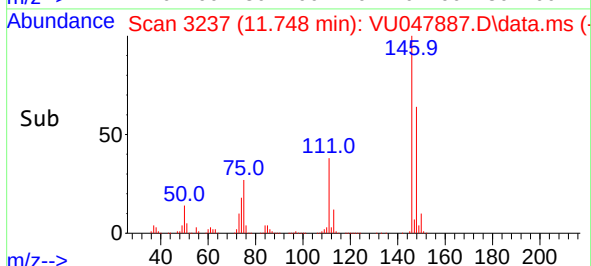
Reviewed By :John Carlone 04/14/2022  
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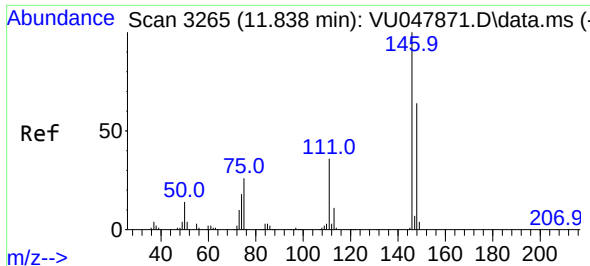


#64  
1,3-Dichlorobenzene  
Concen: 232.879 ug/L  
RT: 11.748 min Scan# 3237  
Delta R.T. 0.000 min  
Lab File: VU047887.D  
Acq: 08 Apr 2022 23:10



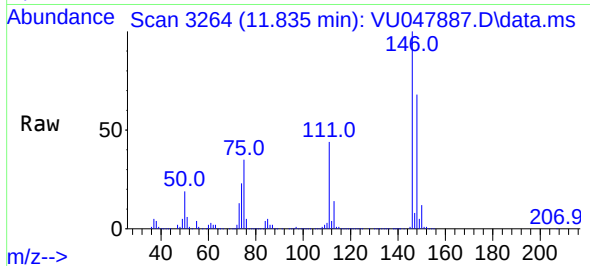
Tgt Ion:146 Resp: 1790974  
Ion Ratio Lower Upper  
146 100  
111 38.0 26.7 49.7  
148 64.2 44.4 82.5





#65  
1,4-Dichlorobenzene  
Concen: 2534.348 ug/L m  
RT: 11.835 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VU047887.D  
Acq: 08 Apr 2022 23:10

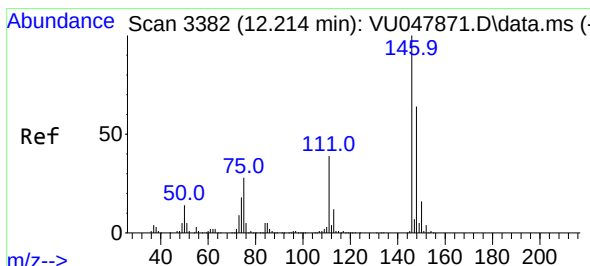
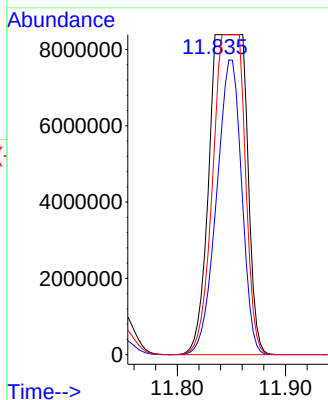
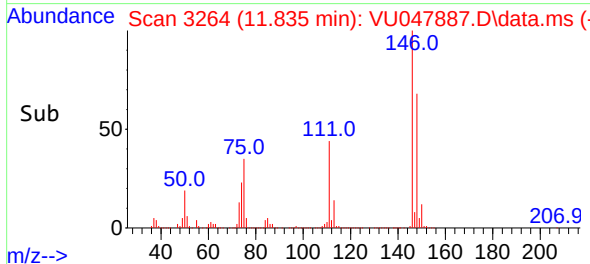
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0J70



Tgt Ion:146 Resp:20188270  
Ion Ratio Lower Upper  
146 100  
111 43.6 25.3 47.1  
148 68.4 44.5 82.7

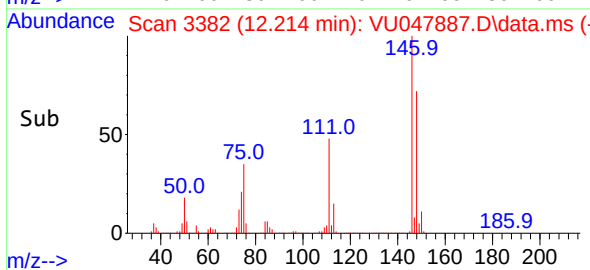
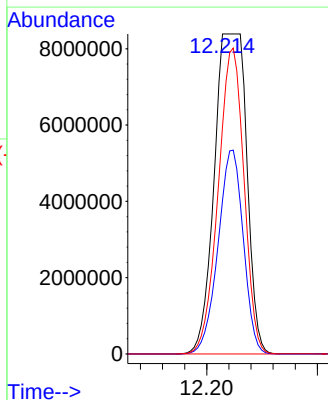
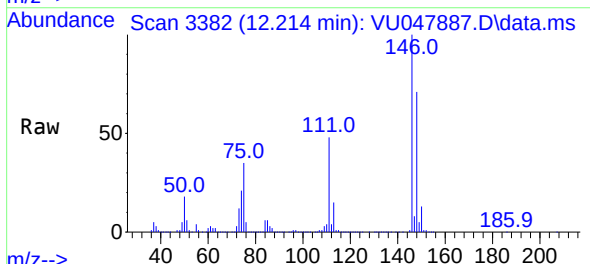
Manual Integrations  
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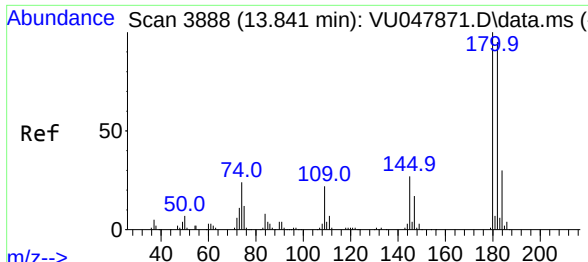
Reviewed By :John Carlone 04/14/2022  
Supervised By :Mahesh Dadoda 04/14/2022



#67  
1,2-Dichlorobenzene  
Concen: 2217.300 ug/L m  
RT: 12.214 min Scan# 3382  
Delta R.T. 0.000 min  
Lab File: VU047887.D  
Acq: 08 Apr 2022 23:10

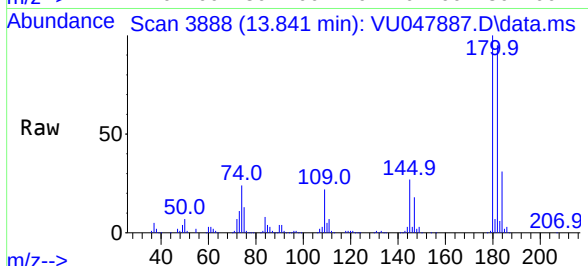
Tgt Ion:146 Resp:17062438  
Ion Ratio Lower Upper  
146 100  
111 48.0 31.7 47.5#  
148 71.1 51.4 77.2





#70  
 1,2,4-trichlorobenzene  
 Concen: 85.755 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. 0.000 min  
 Lab File: VU047887.D  
 Acq: 08 Apr 2022 23:10

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0J70



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 46914 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.6  | 76.2  | 114.2 |
| 145       | 27.0  | 21.8  | 32.8  |

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