

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020724\  
 Data File : VU057851.D  
 Acq On : 07 Feb 2024 19:45  
 Operator : MD/SY  
 Sample : P1081-09  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0B73

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 02/09/2024  
 Supervised By :Semsettin Yesilyurt 02/09/2024

Quant Time: Feb 08 01:30:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM020724WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Feb 08 01:18:21 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.245          | 114  | 284732     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.422          | 117  | 275108     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811         | 152  | 139246     | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.596          | 65   | 112027     | 49.156   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 98.320%  |       |          |
| 7) Chloroethane-d5            | 1.907          | 69   | 84946      | 48.046   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 96.100%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.560          | 63   | 144179     | 34.446   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 68.900%  |       |          |
| 21) 2-Butanone-d5             | 4.615          | 46   | 98885      | 78.182   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 78.180%  |       |          |
| 24) Chloroform-d              | 5.055          | 84   | 183873     | 45.482   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 90.960%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.695          | 65   | 123998     | 48.383   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.760%  |       |          |
| 32) Benzene-d6                | 5.721          | 84   | 380494     | 45.782   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 91.560%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.685          | 67   | 120448     | 45.892   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 91.780%  |       |          |
| 41) Toluene-d8                | 7.894          | 98   | 344299     | 45.695   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 91.400%  |       |          |
| 43) trans-1,3-Dichloroprop... | 8.177          | 79   | 59135      | 46.058   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 92.120%  |       |          |
| 47) 2-Hexanone-d5             | 8.627          | 63   | 102406     | 95.590   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 95.590%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753         | 84   | 160740     | 47.047   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 94.100%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.190         | 152  | 129217     | 48.302   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 96.600%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       |          |
| 15) Methyl Acetate            | 2.946          | 43   | 8003       | 3.872    | ug/L  | 98       |
| 33) Benzene                   | 5.766          | 78   | 3392585    | 389.558  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.441          | 112  | 25873207m  | 4466.486 | ug/L  |          |
| 64) 1,3-Dichlorobenzene       | 11.743         | 146  | 64069      | 14.536   | ug/L  | 93       |
| 65) 1,4-Dichlorobenzene       | 11.833         | 146  | 283747     | 62.764   | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.209         | 146  | 236976     | 53.335   | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.839         | 180  | 57876      | 21.825   | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.328         | 180  | 26125      | 10.529   | ug/L  | 97       |
| -----                         |                |      |            |          |       |          |

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

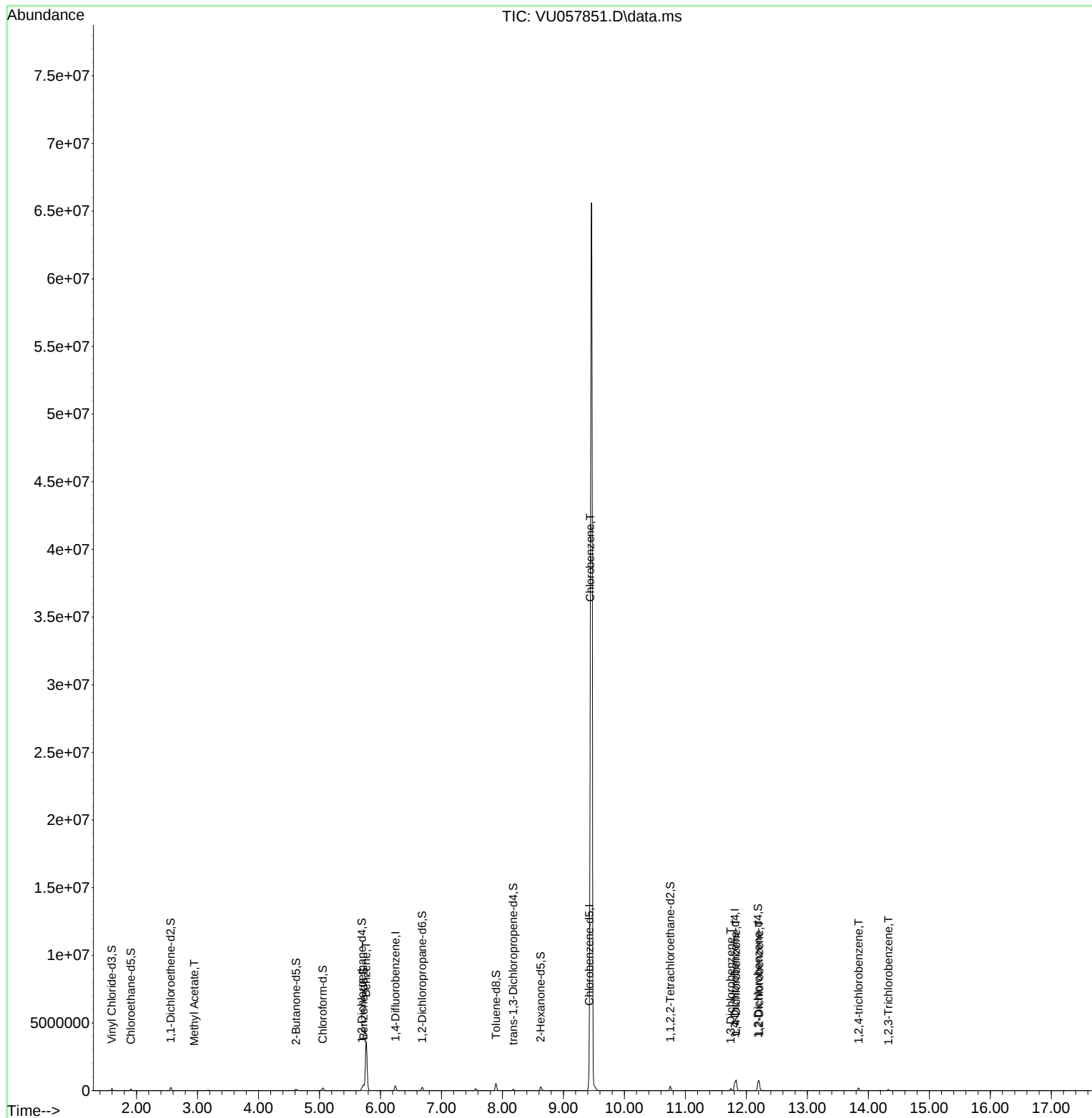
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020724\  
Data File : VU057851.D  
Acq On : 07 Feb 2024 19:45  
Operator : MD/SY  
Sample : P1081-09  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 26 Sample Multiplier: 1

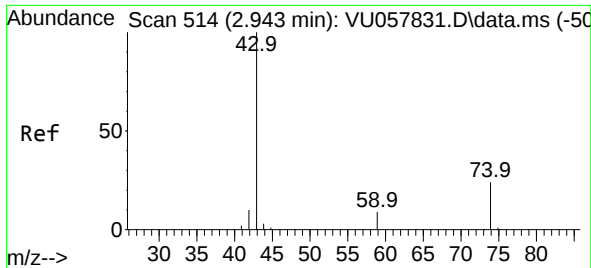
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0B73

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Reviewed By :Mahesh Dadoda 02/09/2024  
Supervised By :Semsettin Yesilyurt 02/09/2024

Quant Time: Feb 08 01:30:45 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM020724WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Feb 08 01:18:21 2024  
Response via : Initial Calibration





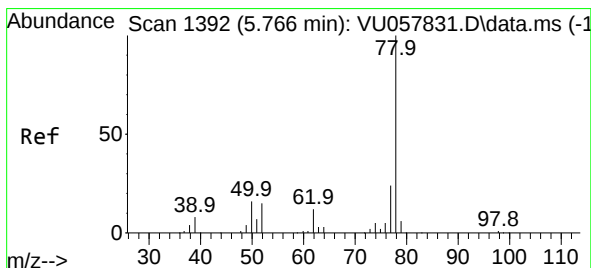
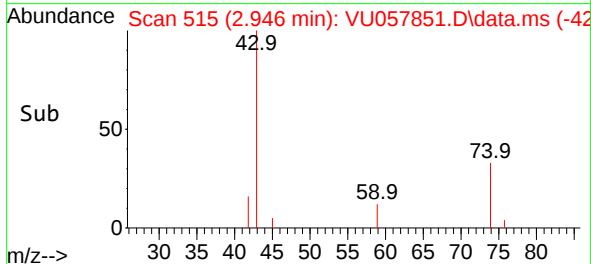
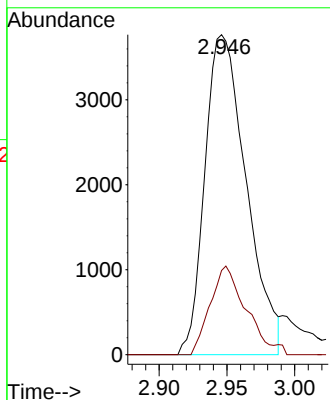
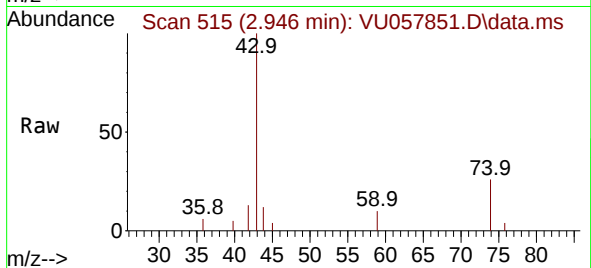
#15  
Methyl Acetate  
Concen: 3.872 ug/L  
RT: 2.946 min Scan# 514  
Delta R.T. 0.003 min  
Lab File: VU057851.D  
Acq: 07 Feb 2024 19:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0B73

Tgt Ion: 43 Resp: 800  
Ion Ratio Lower Upper  
43 100  
74 23.5 19.7 29.5

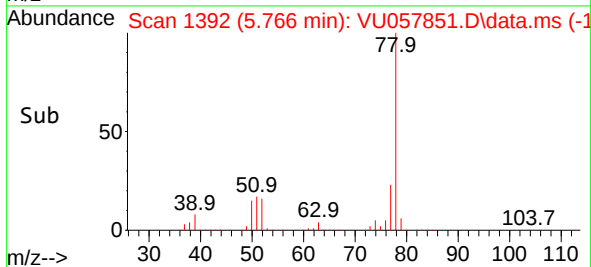
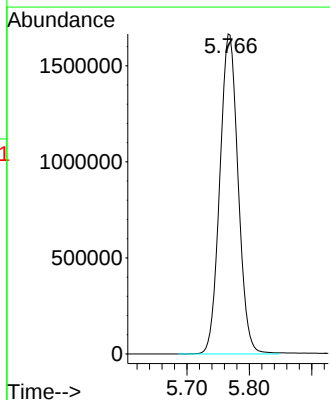
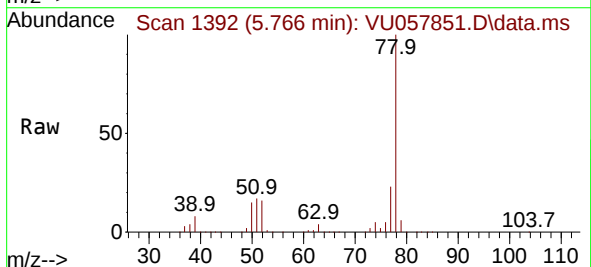
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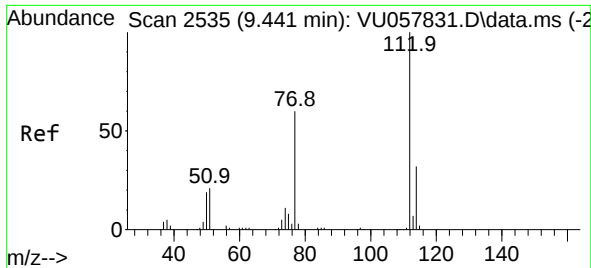
Reviewed By :Mahesh Dadoda 02/09/2024  
Supervised By :Semsettin Yesilyurt 02/09/2024



#33  
Benzene  
Concen: 389.558 ug/L  
RT: 5.766 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VU057851.D  
Acq: 07 Feb 2024 19:45

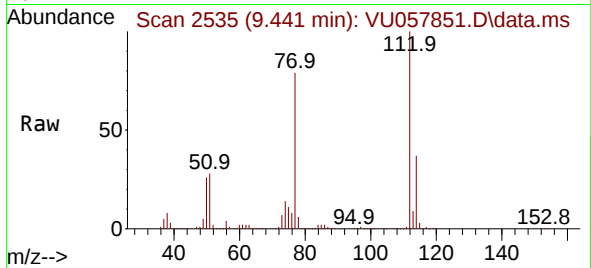
Tgt Ion: 78 Resp: 3392585





#51  
Chlorobenzene  
Concen: 4466.486 ug/L m  
RT: 9.441 min Scan# 2535  
Delta R.T. -0.000 min  
Lab File: VU057851.D  
Acq: 07 Feb 2024 19:45

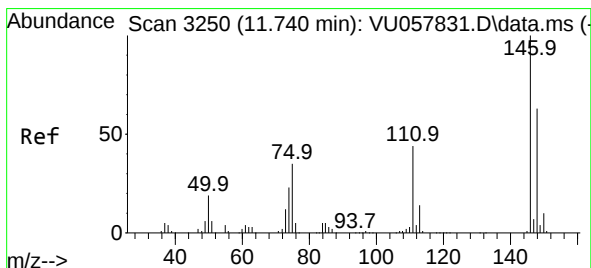
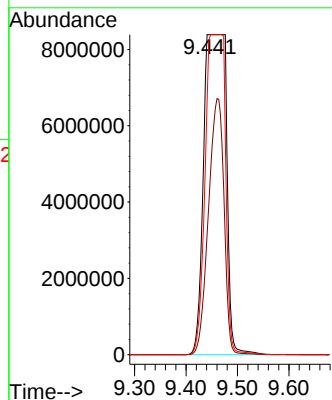
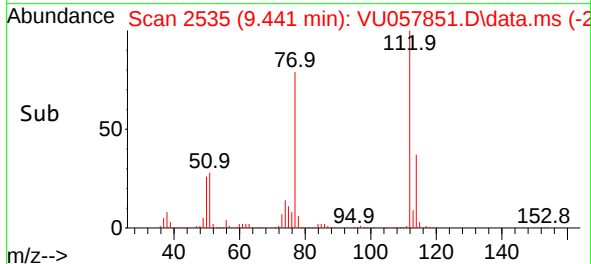
Instrument :  
MSVOA\_U  
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Tgt Ion:112 Resp:2587320  
Ion Ratio Lower Upper  
112 100  
114 37.5 22.0 41.0  
77 78.8 48.2 72.4

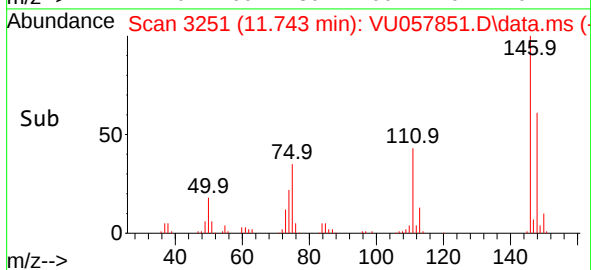
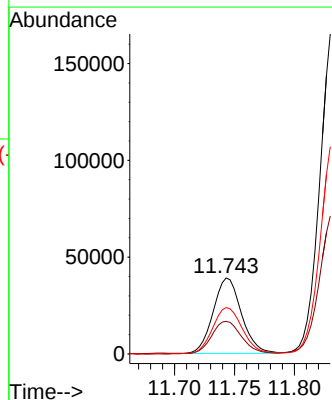
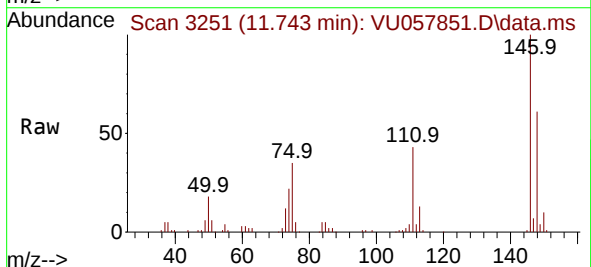
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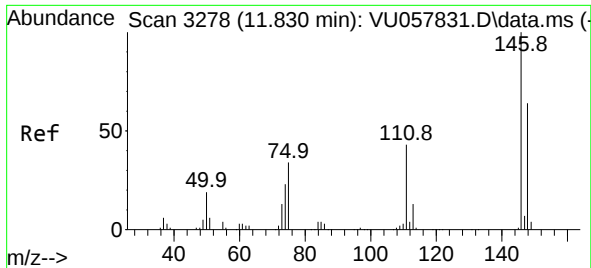
Reviewed By :Mahesh Dadoda 02/09/2024  
Supervised By :Semsettin Yesilyurt 02/09/2024



#64  
1,3-Dichlorobenzene  
Concen: 14.536 ug/L  
RT: 11.743 min Scan# 3251  
Delta R.T. 0.003 min  
Lab File: VU057851.D  
Acq: 07 Feb 2024 19:45

Tgt Ion:146 Resp: 64069  
Ion Ratio Lower Upper  
146 100  
111 40.3 31.1 57.7  
148 61.2 46.8 86.8





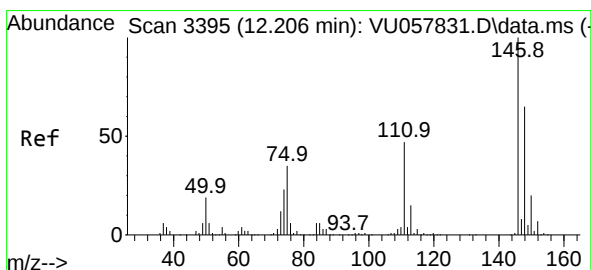
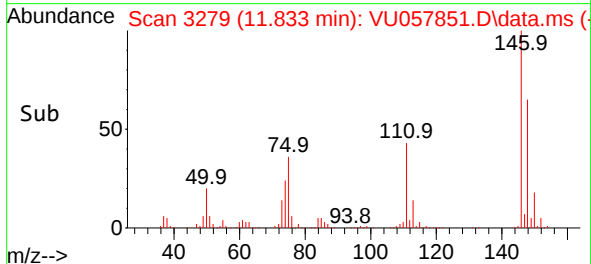
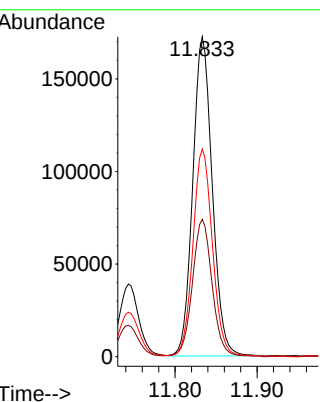
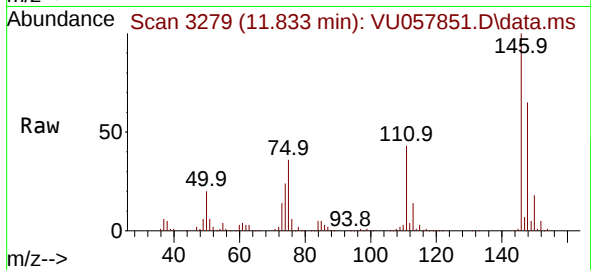
#65  
1,4-Dichlorobenzene  
Concen: 62.764 ug/L  
RT: 11.833 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU057851.D  
Acq: 07 Feb 2024 19:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0B73

Tgt Ion:146 Resp: 28374  
Ion Ratio Lower Upper  
146 100  
111 42.9 30.5 56.7  
148 64.9 45.3 84.1

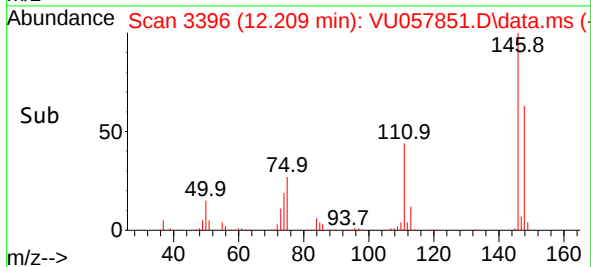
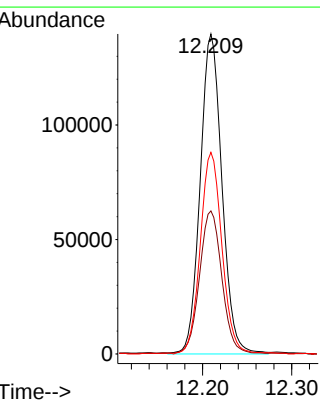
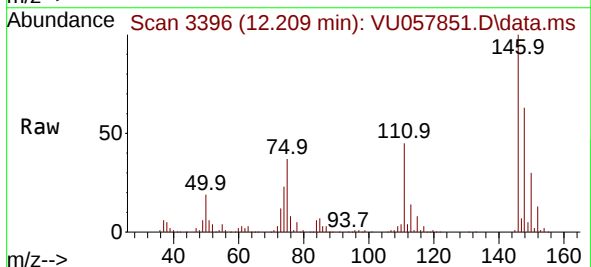
Manual Integrations  
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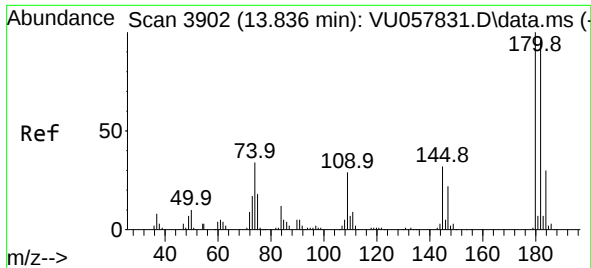
Reviewed By :Mahesh Dadoda 02/09/2024  
Supervised By :Semsettin Yesilyurt 02/09/2024



#67  
1,2-Dichlorobenzene  
Concen: 53.335 ug/L  
RT: 12.209 min Scan# 3396  
Delta R.T. 0.003 min  
Lab File: VU057851.D  
Acq: 07 Feb 2024 19:45

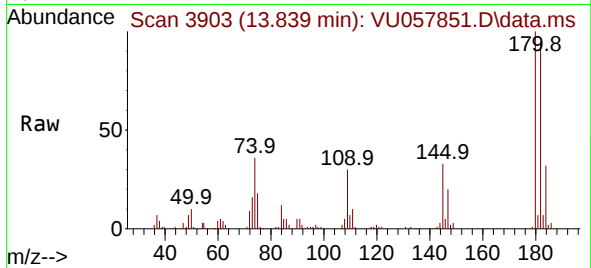
Tgt Ion:146 Resp: 236976  
Ion Ratio Lower Upper  
146 100  
111 44.7 37.8 56.8  
148 63.0 51.7 77.5





#70  
1,2,4-trichlorobenzene  
Concen: 21.825 ug/L  
RT: 13.839 min Scan# 3902  
Delta R.T. 0.003 min  
Lab File: VU057851.D  
Acq: 07 Feb 2024 19:45

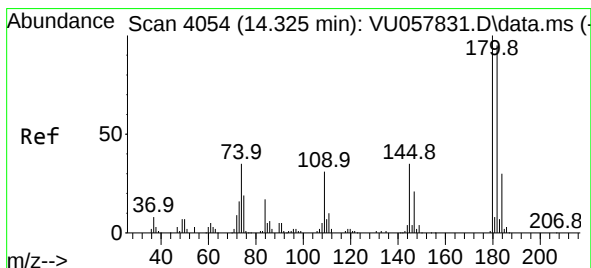
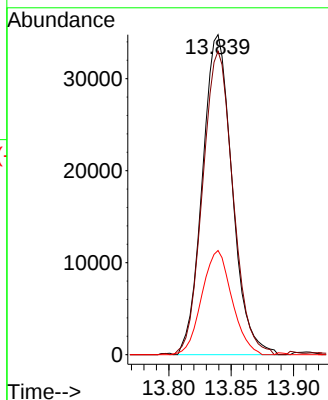
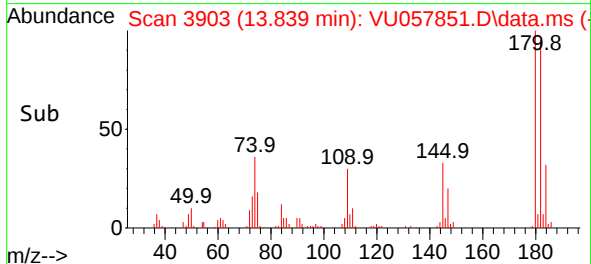
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0B73



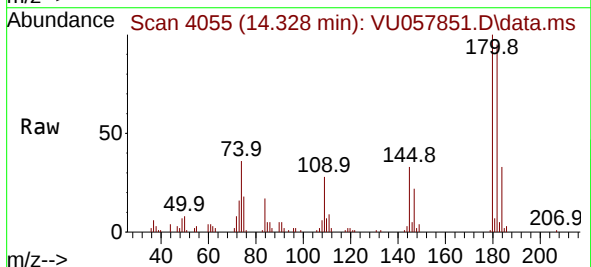
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Ion Ratio Lower Upper  
180 100  
182 96.3 76.0 114.0  
145 32.9 25.5 38.3

Manual Integrations  
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#72  
1,2,3-Trichlorobenzene  
Concen: 10.529 ug/L  
RT: 14.328 min Scan# 4055  
Delta R.T. 0.003 min  
Lab File: VU057851.D  
Acq: 07 Feb 2024 19:45



Tgt Ion:180 Resp: 26125  
Ion Ratio Lower Upper  
180 100  
182 93.4 76.6 114.8  
145 32.9 27.7 41.5

