

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042122\  
 Data File : VU048207.D  
 Acq On : 22 Apr 2022 06:22  
 Operator : SY/MD  
 Sample : N2488-09 100X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0HZ1

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/22/2022  
 Supervised By : Mahesh Dadoda 04/25/2022

Quant Time: Apr 22 07:43:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 22 02:51:38 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 335741     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 344705     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.813         | 152  | 185565     | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.601          | 65   | 88161      | 36.211   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 72.420%  |       |          |
| 7) Chloroethane-d5            | 1.916          | 69   | 76210      | 39.698   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 79.400%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.569          | 63   | 122020     | 27.393   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 54.780%# |       |          |
| 21) 2-Butanone-d5             | 4.620          | 46   | 186468     | 89.230   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 89.230%  |       |          |
| 24) Chloroform-d              | 5.067          | 84   | 187605     | 42.113   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 84.220%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.703          | 65   | 117895     | 43.150   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 86.300%  |       |          |
| 32) Benzene-d6                | 5.729          | 84   | 378952     | 43.690   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 87.380%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.691          | 67   | 126703     | 47.565   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 95.140%  |       |          |
| 41) Toluene-d8                | 7.899          | 98   | 320594     | 37.937   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 75.880%# |       |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 48124      | 35.660   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 71.320%  |       |          |
| 47) 2-Hexanone-d5             | 8.633          | 63   | 119592     | 76.692   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 76.690%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755         | 84   | 198165     | 43.348   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 86.700%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192         | 152  | 151757m    | 45.968   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 91.940%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 31) Carbon tetrachloride      | 5.527          | 117  | 4299       | 1.218    | ug/L  | 100      |
| 33) Benzene                   | 5.777          | 78   | 982240     | 98.445   | ug/L  | 100      |
| 51) Chlorobenzene             | 9.449          | 112  | 3166097    | 425.927  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.745         | 146  | 158228     | 28.386   | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838         | 146  | 1376345    | 238.379  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211         | 146  | 1383249    | 248.003  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841         | 180  | 265262     | 66.896   | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330         | 180  | 71553      | 18.000   | ug/L  | 99       |
| -----                         |                |      |            |          |       |          |

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

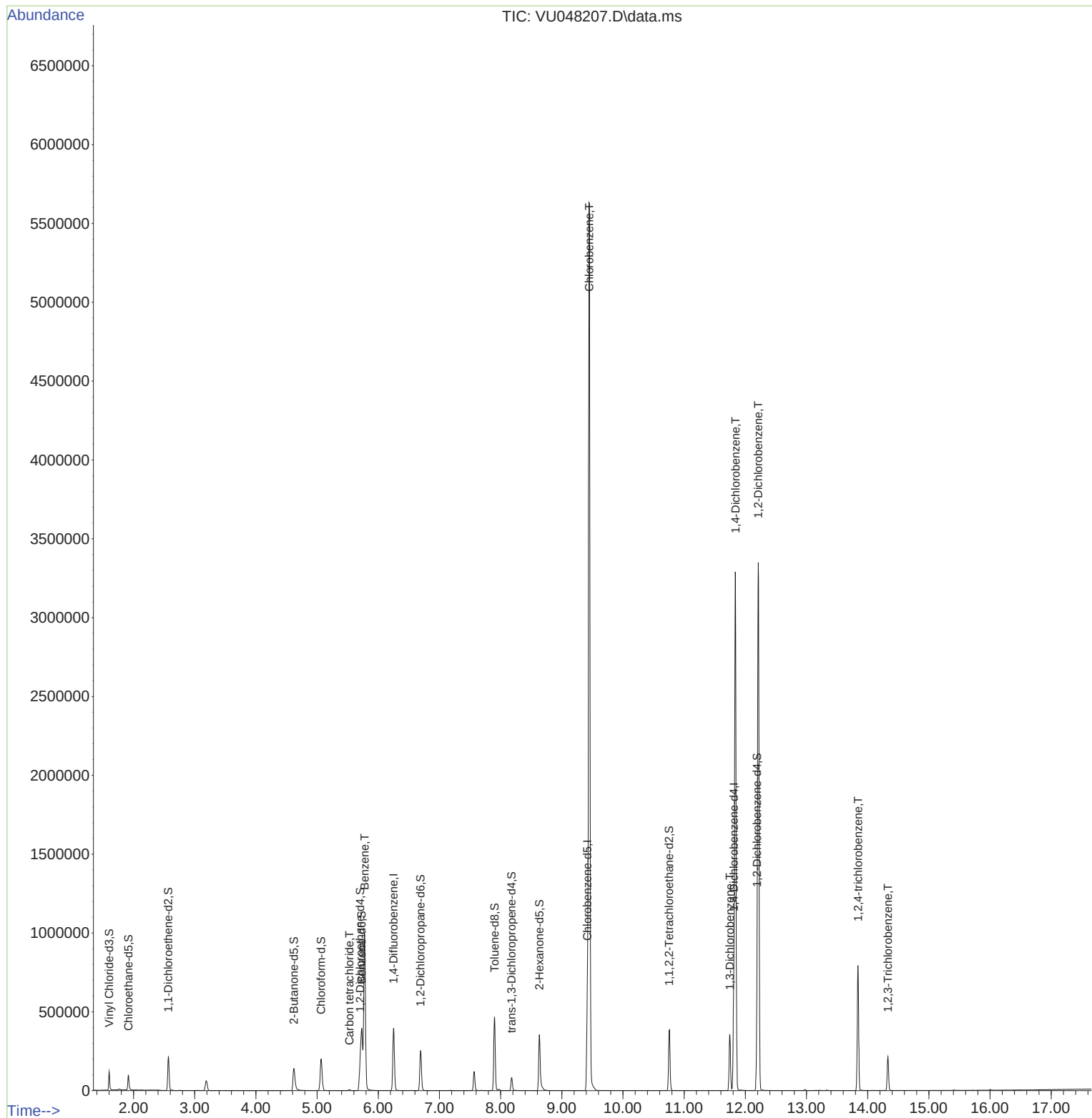
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042122\  
Data File : VU048207.D  
Acq On : 22 Apr 2022 06:22  
Operator : SY/MD  
Sample : N2488-09 100X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 48 Sample Multiplier: 1

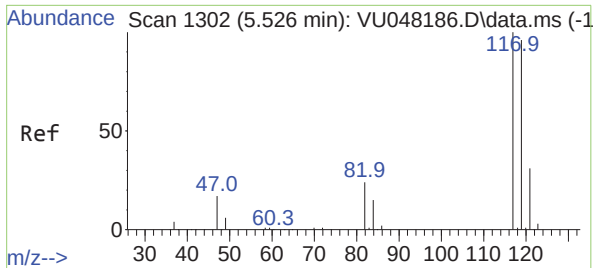
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0HZ1

Quant Time: Apr 22 07:43:40 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Apr 22 02:51:38 2022  
Response via : Initial Calibration

Manual Integrations  
APPROVED

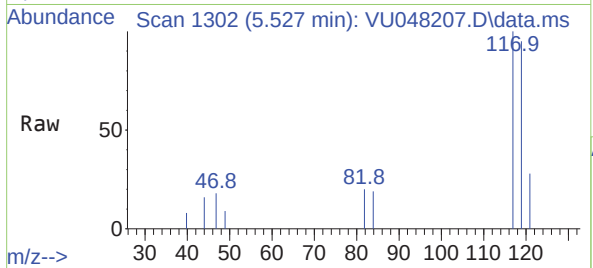
Reviewed By :Semsettin Yesilyurt 04/22/2022  
Supervised By :Mahesh Dadoda 04/25/2022





#31  
Carbon tetrachloride  
Concen: 1.218 ug/L  
RT: 5.527 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VU048207.D  
Acq: 22 Apr 2022 06:22

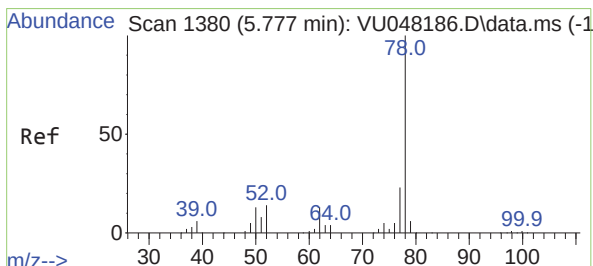
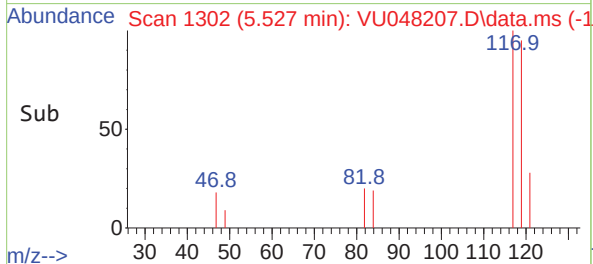
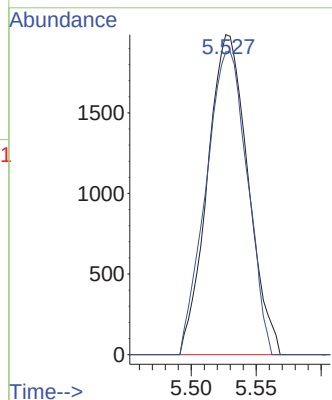
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0HZ1



Tgt Ion:117 Resp: 4299  
Ion Ratio Lower Upper  
117 100  
119 96.8 77.2 115.8

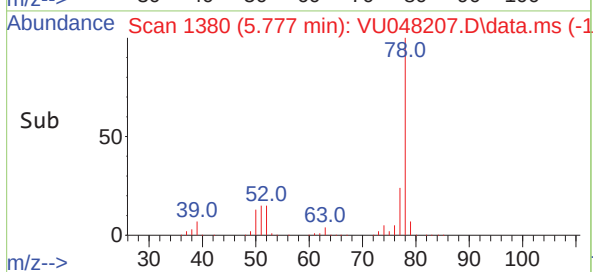
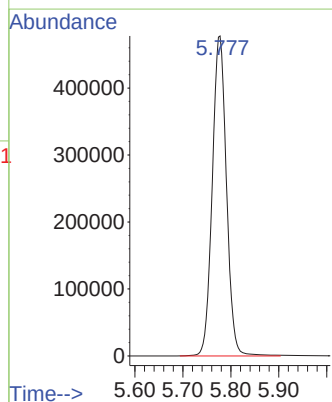
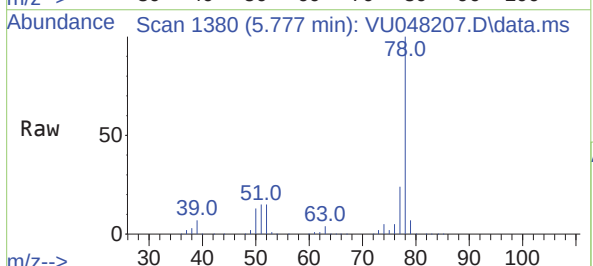
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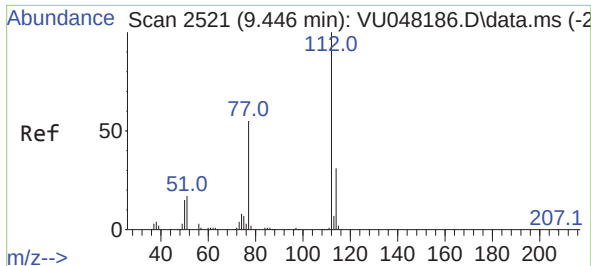
Reviewed By :Semsettin Yesilyurt 04/22/2022  
Supervised By :Mahesh Dadoda 04/25/2022



#33  
Benzene  
Concen: 98.445 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. 0.000 min  
Lab File: VU048207.D  
Acq: 22 Apr 2022 06:22

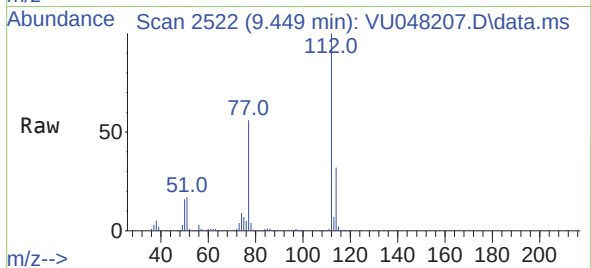
Tgt Ion: 78 Resp: 982240





#51  
Chlorobenzene  
Concen: 425.927 ug/L  
RT: 9.449 min Scan# 21  
Delta R.T. 0.004 min  
Lab File: VU048207.D  
Acq: 22 Apr 2022 06:22

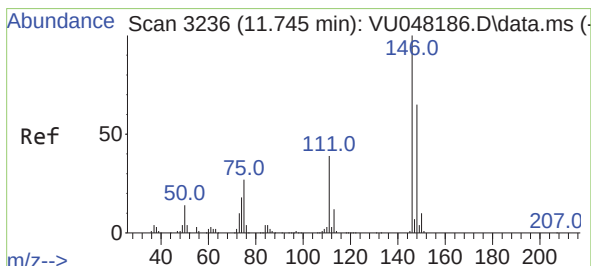
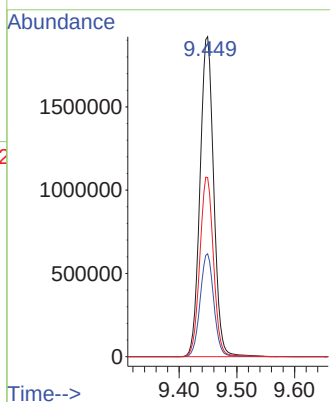
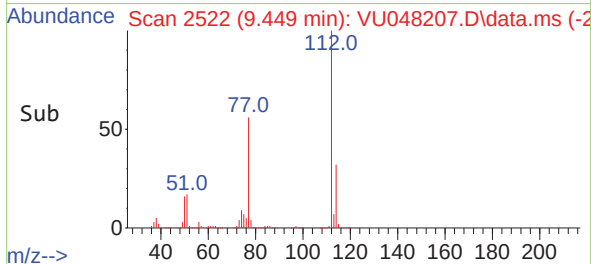
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0HZ1



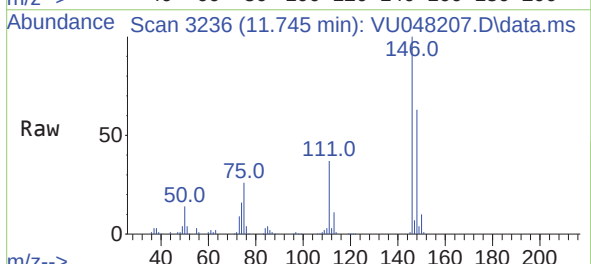
Tgt Ion:112 Resp: 316609  
Ion Ratio Lower Upper  
112 100  
114 32.1 22.1 41.1  
77 56.0 43.4 65.0

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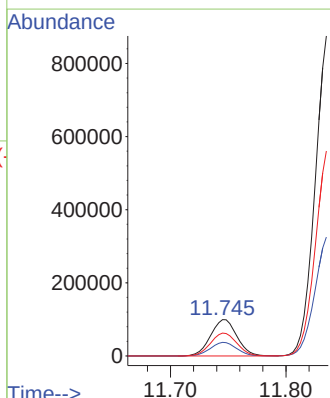
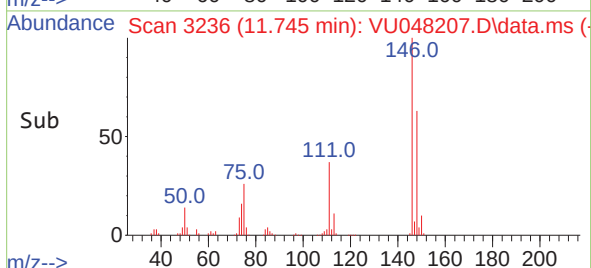
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Supervised By :Mahesh Dadoda 04/25/2022

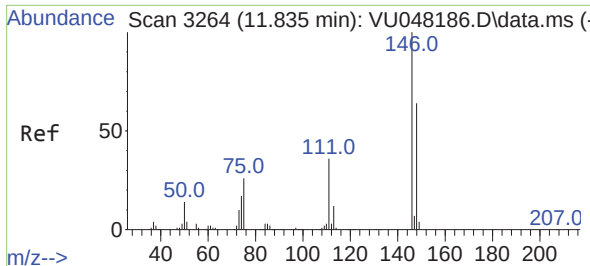


#64  
1,3-Dichlorobenzene  
Concen: 28.386 ug/L  
RT: 11.745 min Scan# 3236  
Delta R.T. 0.000 min  
Lab File: VU048207.D  
Acq: 22 Apr 2022 06:22



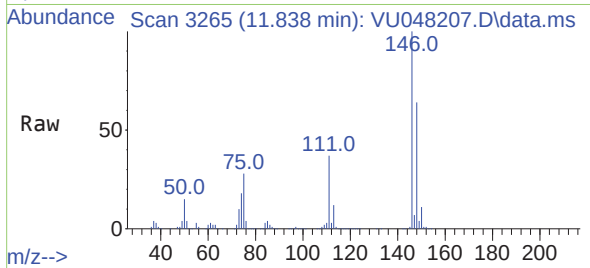
Tgt Ion:146 Resp: 158228  
Ion Ratio Lower Upper  
146 100  
111 37.5 26.7 49.7  
148 63.0 44.4 82.5





#65  
1,4-Dichlorobenzene  
Concen: 238.379 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.004 min  
Lab File: VU048207.D  
Acq: 22 Apr 2022 06:22

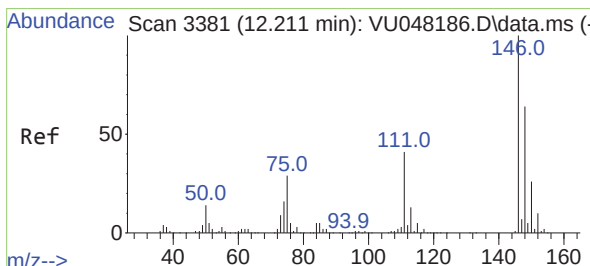
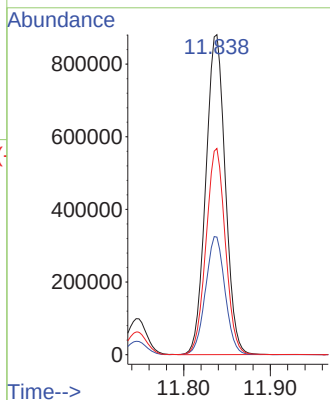
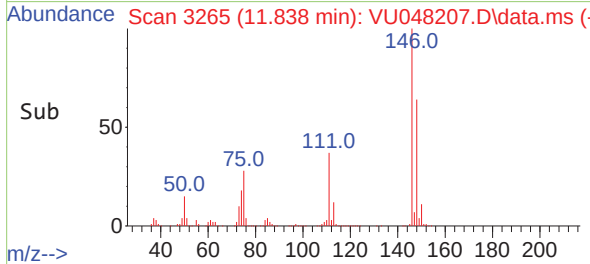
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0HZ1



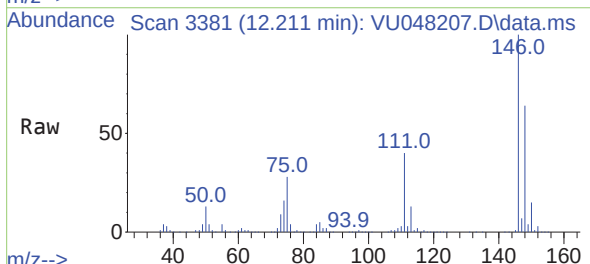
Tgt Ion:146 Resp: 1376349  
Ion Ratio Lower Upper  
146 100  
111 36.8 25.3 47.1  
148 64.5 44.5 82.7

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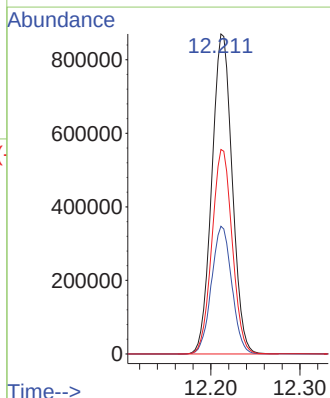
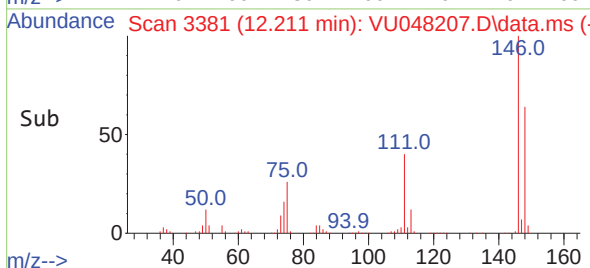
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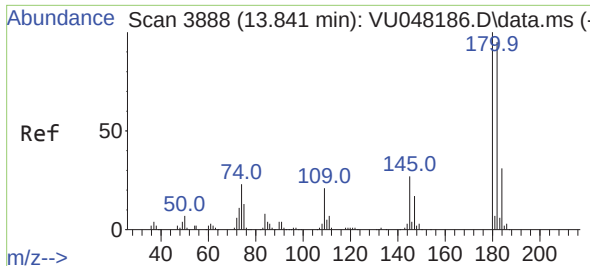


#67  
1,2-Dichlorobenzene  
Concen: 248.003 ug/L  
RT: 12.211 min Scan# 3381  
Delta R.T. 0.000 min  
Lab File: VU048207.D  
Acq: 22 Apr 2022 06:22



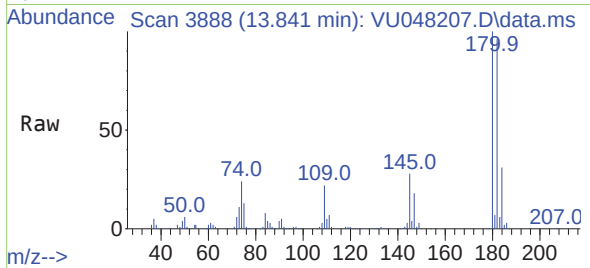
Tgt Ion:146 Resp: 1383249  
Ion Ratio Lower Upper  
146 100  
111 39.9 31.7 47.5  
148 63.9 51.4 77.2





#70  
1,2,4-trichlorobenzene  
Concen: 66.896 ug/L  
RT: 13.841 min Scan# 3888  
Delta R.T. 0.000 min  
Lab File: VU048207.D  
Acq: 22 Apr 2022 06:22

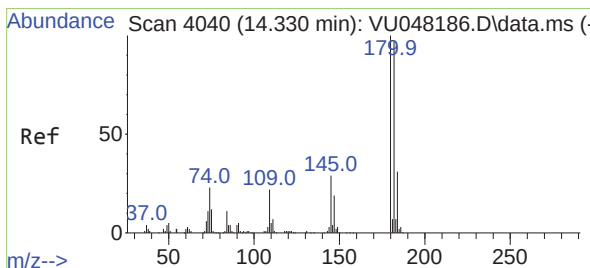
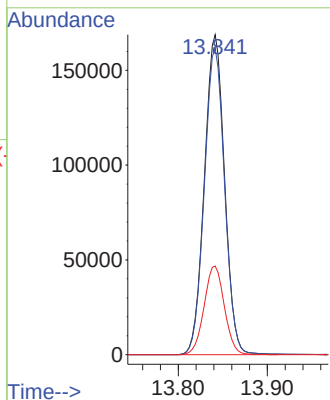
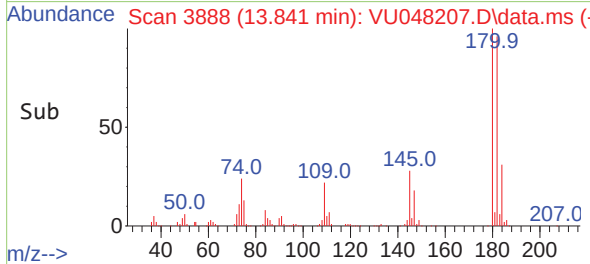
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0HZ1



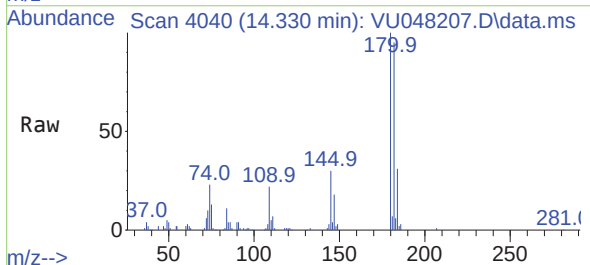
Tgt Ion:180 Resp: 265262  
Ion Ratio Lower Upper  
180 100  
182 96.1 76.2 114.2  
145 27.8 21.8 32.8

Manual Integrations  
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#72  
1,2,3-Trichlorobenzene  
Concen: 18.000 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.000 min  
Lab File: VU048207.D  
Acq: 22 Apr 2022 06:22



Tgt Ion:180 Resp: 71553  
Ion Ratio Lower Upper  
180 100  
182 96.9 77.4 116.0  
145 30.7 22.8 34.2

