

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042222\  
 Data File : VU048228.D  
 Acq On : 22 Apr 2022 16:33  
 Operator : SY/MD  
 Sample : N2486-12  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0J46

Quant Time: Apr 22 22:03:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 22 21:59:27 2022  
 Response via : Initial Calibration

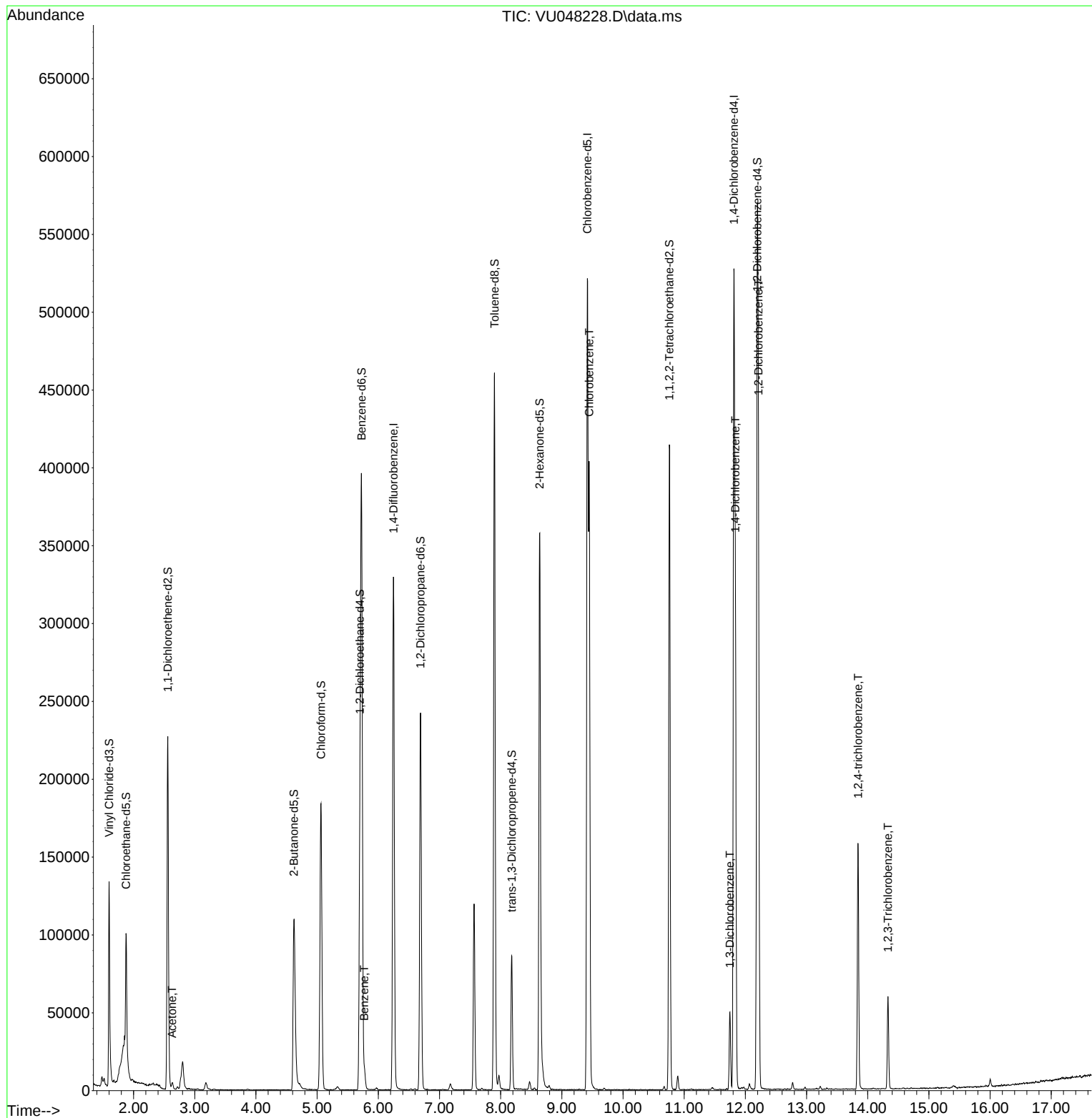
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 283331              | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 301400              | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 145334              | 50.000 | ug/L   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 4) Vinyl Chloride-d3          | 1.601          | 65   | 108168              | 52.646 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = 105.300% |        |        |          |
| 7) Chloroethane-d5            | 1.877          | 69   | 82977               | 51.218 | ug/L   | -0.04    |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = 102.440% |        |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.559          | 63   | 131985              | 35.111 | ug/L   | -0.01    |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 70.220%  |        |        |          |
| 21) 2-Butanone-d5             | 4.620          | 46   | 169075              | 95.873 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = 95.870%  |        |        |          |
| 24) Chloroform-d              | 5.063          | 84   | 178454              | 47.469 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 94.940%  |        |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.700          | 65   | 115253              | 49.986 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 99.980%  |        |        |          |
| 32) Benzene-d6                | 5.726          | 84   | 367613              | 48.472 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 96.940%  |        |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67   | 123071              | 52.840 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = 105.680% |        |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 312801              | 42.333 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 84.660%  |        |        |          |
| 43) trans-1,3-Dichloroprop... | 8.182          | 79   | 49222               | 41.714 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 83.420%  |        |        |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 125592              | 92.112 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = 92.110%  |        |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 210307              | 52.614 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = 105.220% |        |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 136488              | 52.787 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 105.580% |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        | Qvalue |          |
| 13) Acetone                   | 2.629          | 43   | 3990                | 2.431  | ug/L   | 98       |
| 33) Benzene                   | 5.771          | 78   | 11148               | 1.278  | ug/L   | 100      |
| 51) Chlorobenzene             | 9.446          | 112  | 219613              | 33.789 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.748         | 146  | 22268               | 5.101  | ug/L   | 100      |
| 65) 1,4-Dichlorobenzene       | 11.838         | 146  | 125925              | 27.847 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214         | 146  | 147135              | 33.682 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841         | 180  | 54591               | 17.578 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330         | 180  | 20291               | 6.517  | ug/L   | 96       |
| -----                         |                |      |                     |        |        |          |

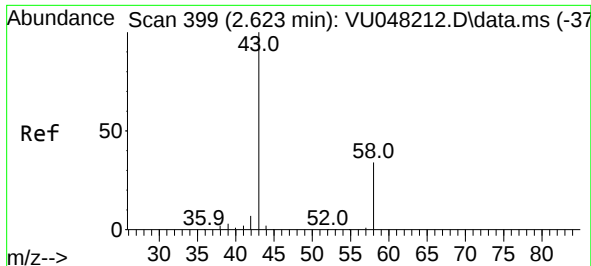
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Apr 22 21:59:27 2022  
Response via : Initial Calibration





#13

Acetone

Concen: 2.431 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.007 min

Lab File: VU048228.D

Acq: 22 Apr 2022 16:33

Instrument :

MSVOA\_U

ClientSampleId :

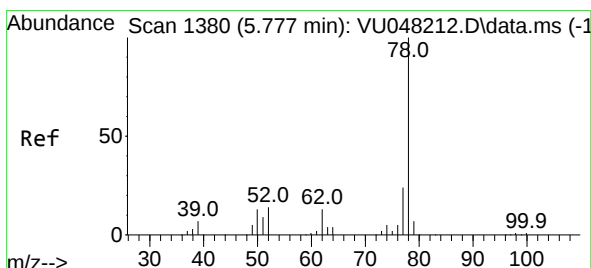
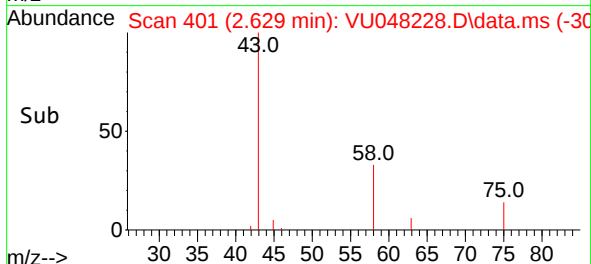
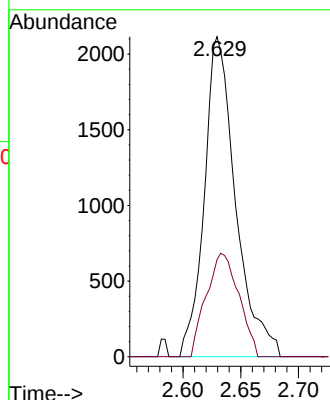
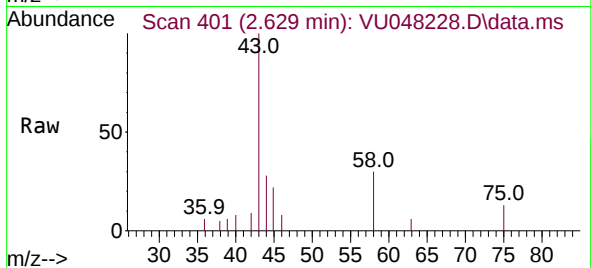
C0J46

Tgt Ion: 43 Resp: 3990

Ion Ratio Lower Upper

43 100

58 33.6 0.0 70.0



#33

Benzene

Concen: 1.278 ug/L

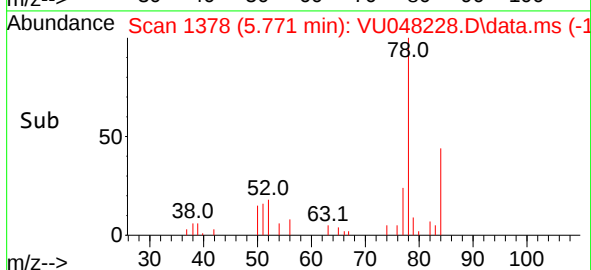
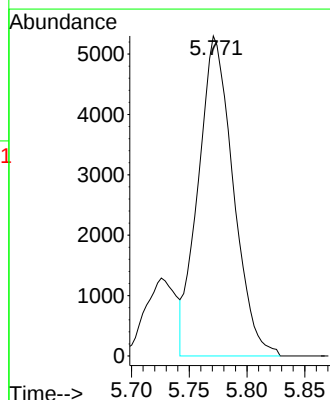
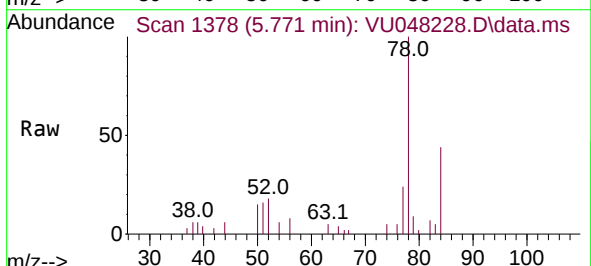
RT: 5.771 min Scan# 1378

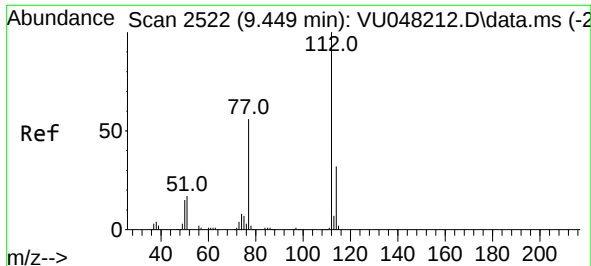
Delta R.T. -0.006 min

Lab File: VU048228.D

Acq: 22 Apr 2022 16:33

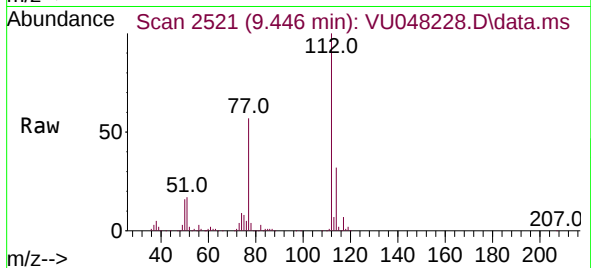
Tgt Ion: 78 Resp: 11148



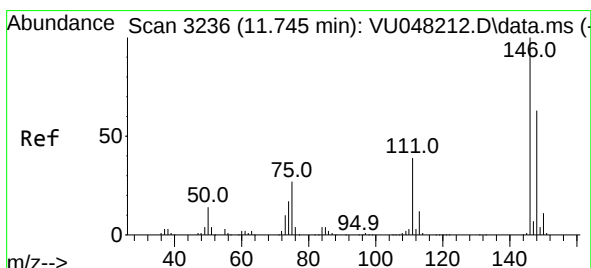
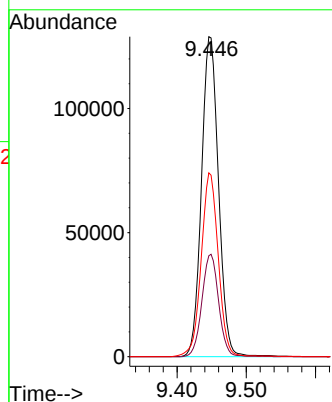
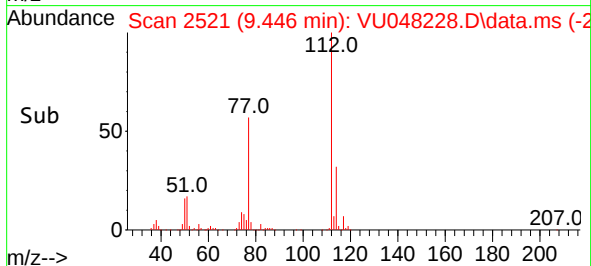


#51  
Chlorobenzene  
Concen: 33.789 ug/L  
RT: 9.446 min Scan# 219613  
Delta R.T. -0.003 min  
Lab File: VU048228.D  
Acq: 22 Apr 2022 16:33

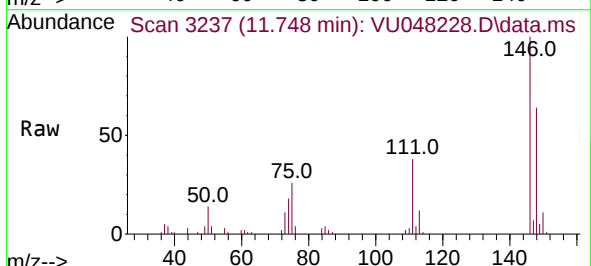
Instrument :  
MSVOA\_U  
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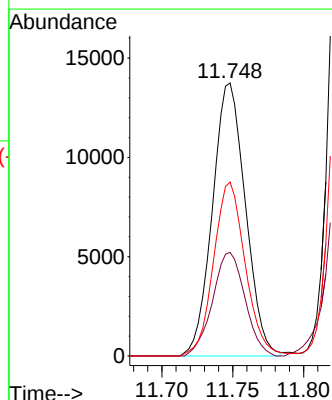
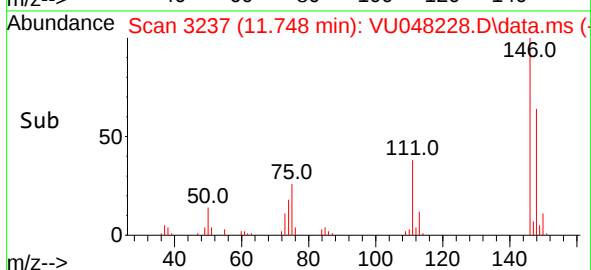
Tgt Ion:112 Resp: 219613  
Ion Ratio Lower Upper  
112 100  
114 31.6 22.1 41.1  
77 57.5 43.4 65.0

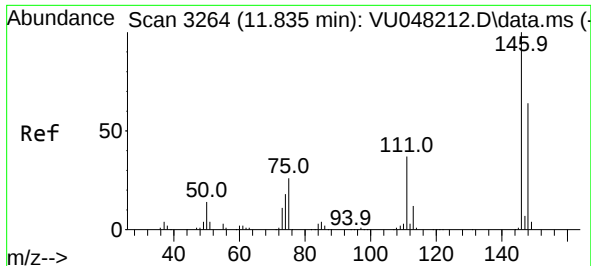


#64  
1,3-Dichlorobenzene  
Concen: 5.101 ug/L  
RT: 11.748 min Scan# 3237  
Delta R.T. 0.003 min  
Lab File: VU048228.D  
Acq: 22 Apr 2022 16:33



Tgt Ion:146 Resp: 22268  
Ion Ratio Lower Upper  
146 100  
111 37.9 26.7 49.7  
148 63.7 44.4 82.5

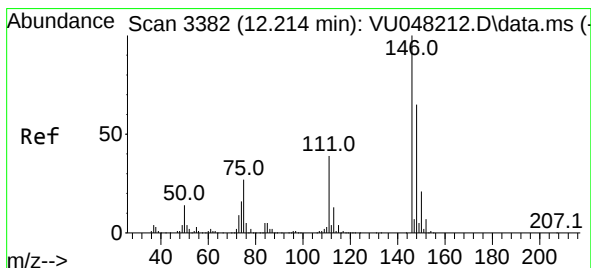
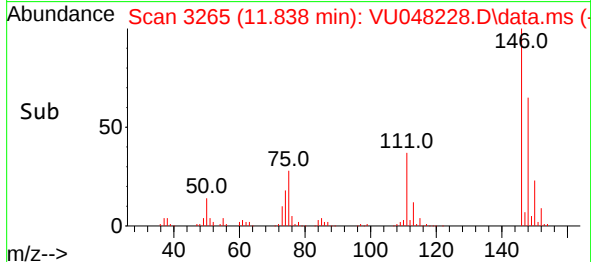
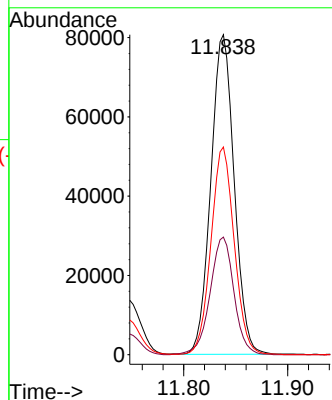
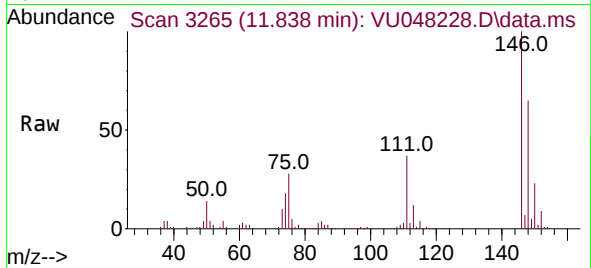




#65  
1,4-Dichlorobenzene  
Concen: 27.847 ug/L  
RT: 11.838 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU048228.D  
Acq: 22 Apr 2022 16:33

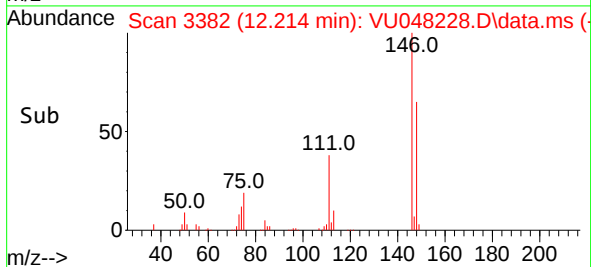
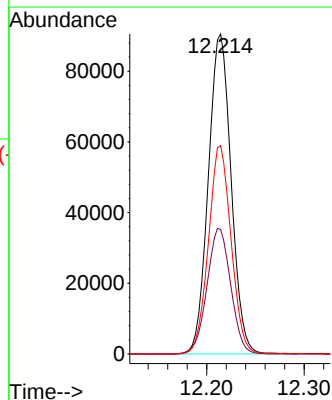
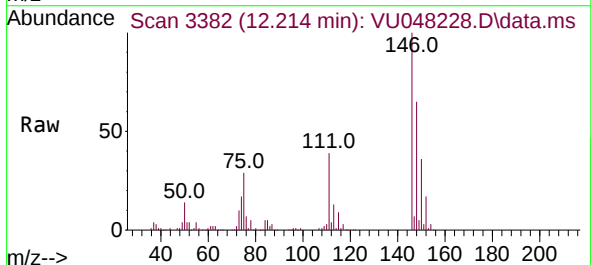
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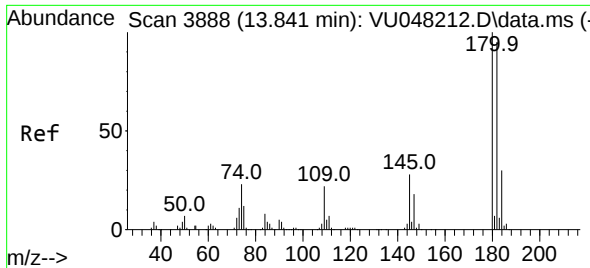
Tgt Ion:146 Resp: 125925  
Ion Ratio Lower Upper  
146 100  
111 36.7 25.3 47.1  
148 64.9 44.5 82.7



#67  
1,2-Dichlorobenzene  
Concen: 33.682 ug/L  
RT: 12.214 min Scan# 3382  
Delta R.T. 0.000 min  
Lab File: VU048228.D  
Acq: 22 Apr 2022 16:33

Tgt Ion:146 Resp: 147135  
Ion Ratio Lower Upper  
146 100  
111 38.9 31.7 47.5  
148 65.1 51.4 77.2

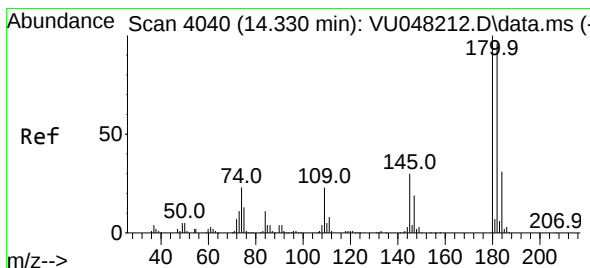
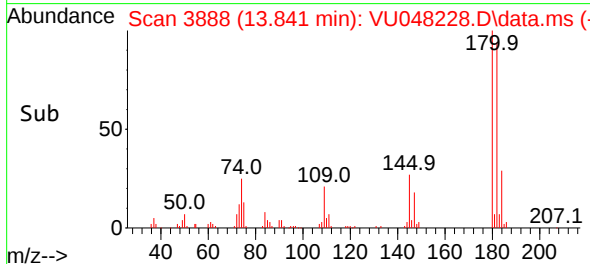
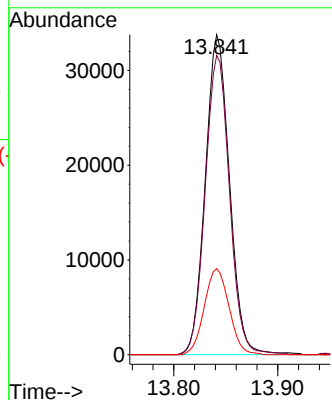
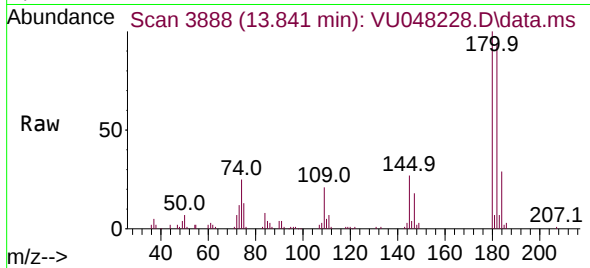




#70  
 1,2,4-trichlorobenzene  
 Concen: 17.578 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. 0.000 min  
 Lab File: VU048228.D  
 Acq: 22 Apr 2022 16:33

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0J46

Tgt Ion:180 Resp: 54591  
 Ion Ratio Lower Upper  
 180 100  
 182 94.2 76.2 114.2  
 145 27.5 21.8 32.8



#72  
 1,2,3-Trichlorobenzene  
 Concen: 6.517 ug/L  
 RT: 14.330 min Scan# 4040  
 Delta R.T. 0.000 min  
 Lab File: VU048228.D  
 Acq: 22 Apr 2022 16:33

Tgt Ion:180 Resp: 20291  
 Ion Ratio Lower Upper  
 180 100  
 182 91.6 77.4 116.0  
 145 28.5 22.8 34.2

