

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041422\  
 Data File : VU048089.D  
 Acq On : 15 Apr 2022 03:16  
 Operator : SY/MD  
 Sample : N2419-05  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0J52

Quant Time: Apr 15 05:30:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 15 05:02:53 2022  
 Response via : Initial Calibration

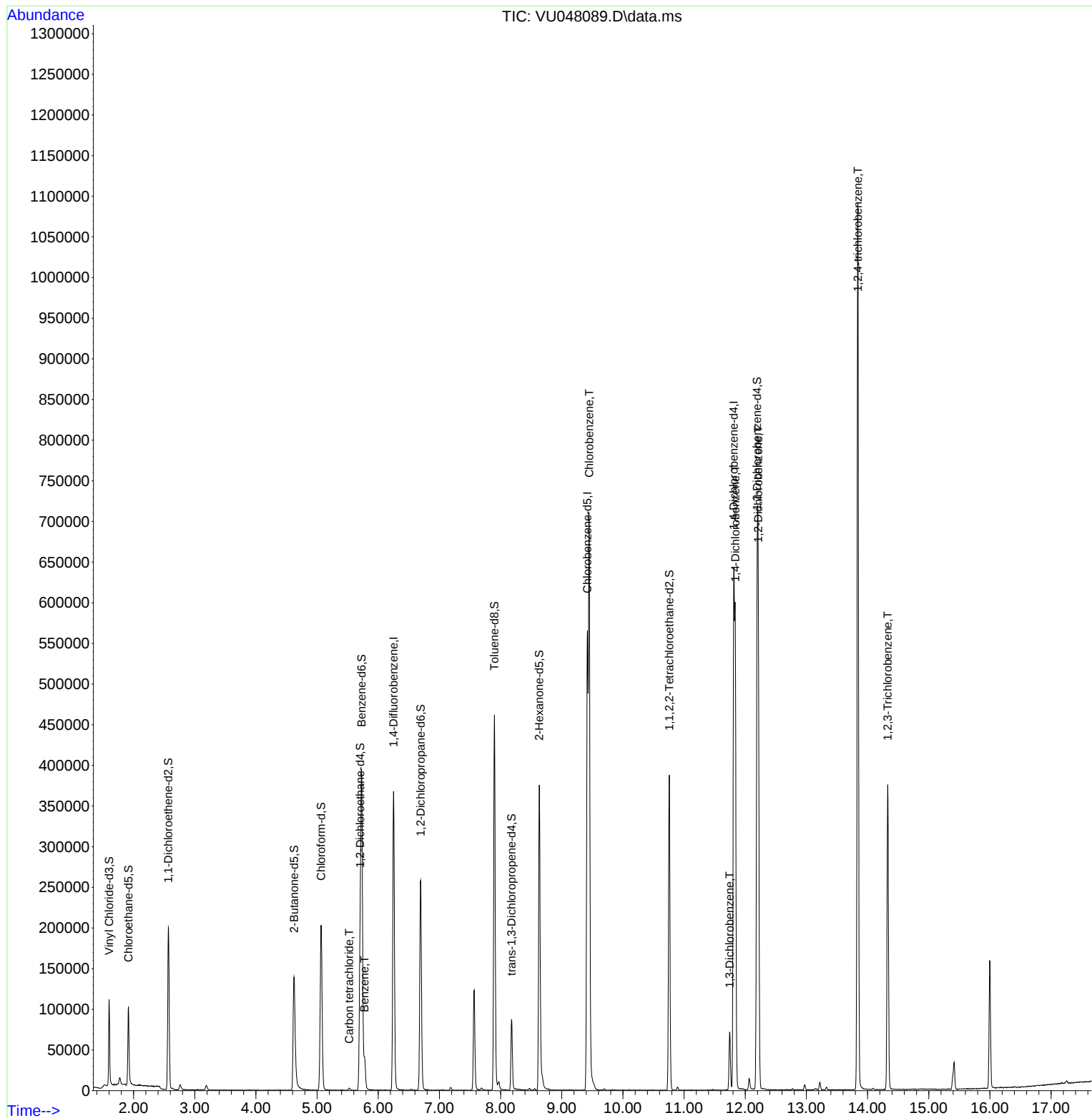
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 314513   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 331052   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 174361   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600   | 65    | 78708    | 34.510   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 69.020%  |
| 7) Chloroethane-d5            | 1.916   | 69    | 76931    | 42.778   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 85.560%  |
| 11) 1,1-Dichloroethene-d2     | 2.568   | 63    | 113080   | 27.099   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 54.200%# |
| 21) 2-Butanone-d5             | 4.623   | 46    | 194932   | 99.577   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 99.580%  |
| 24) Chloroform-d              | 5.067   | 84    | 191705   | 45.938   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.880%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 122971   | 48.045   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.100%  |
| 32) Benzene-d6                | 5.729   | 84    | 369988   | 44.415   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.840%  |
| 36) 1,2-Dichloropropane-d6    | 6.693   | 67    | 127289   | 49.756   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 99.520%  |
| 41) Toluene-d8                | 7.899   | 98    | 317004   | 39.059   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 78.120%# |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 49059    | 37.852   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 75.700%  |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 126417   | 84.412   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 84.410%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 187551   | 42.718   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 85.440%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 150508   | 48.519   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 97.040%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 31) Carbon tetrachloride      | 5.523   | 117   | 1663     | 0.491    | ug/L   | 92       |
| 33) Benzene                   | 5.774   | 78    | 32635    | 3.406    | ug/L   | 100      |
| 51) Chlorobenzene             | 9.449   | 112   | 393055   | 55.057   | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.748  | 146   | 32458    | 6.197    | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838  | 146   | 229417   | 42.288   | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 12.214  | 146   | 234512   | 44.747   | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841  | 180   | 367639   | 98.672   | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330  | 180   | 130195   | 34.857   | ug/L   | 99       |
| -----                         |         |       |          |          |        |          |

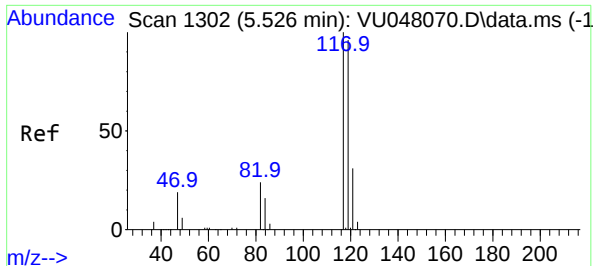
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Apr 15 05:02:53 2022  
Response via : Initial Calibration

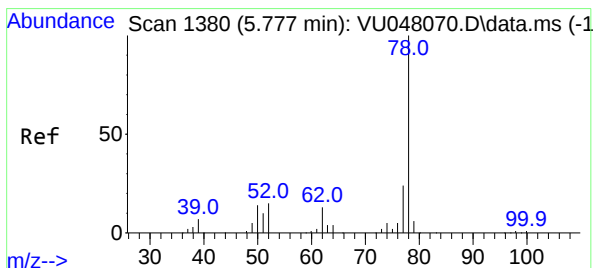
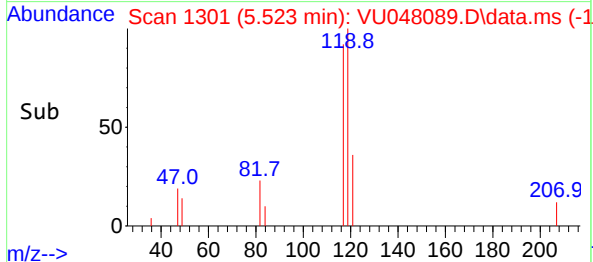
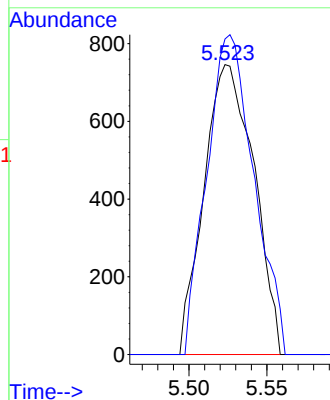
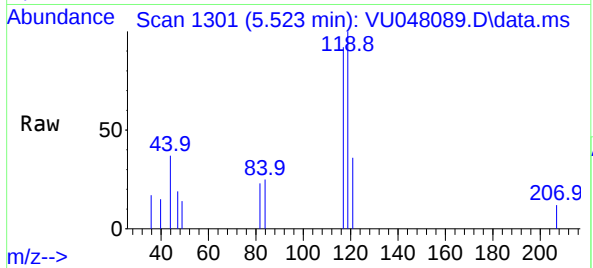




#31  
Carbon tetrachloride  
Concen: 0.491 ug/L  
RT: 5.523 min Scan# 117  
Delta R.T. -0.003 min  
Lab File: VU048089.D  
Acq: 15 Apr 2022 03:16

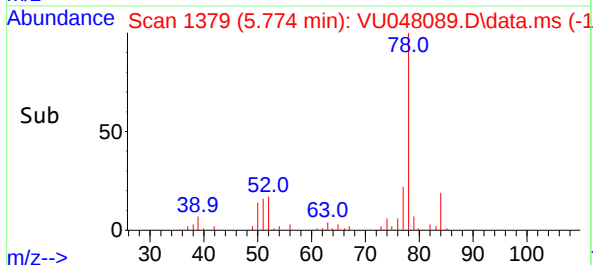
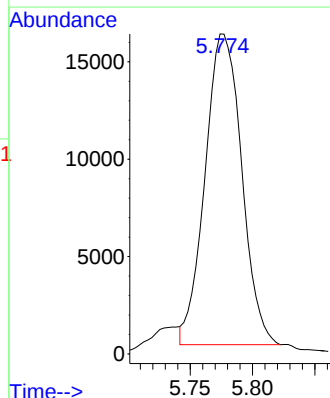
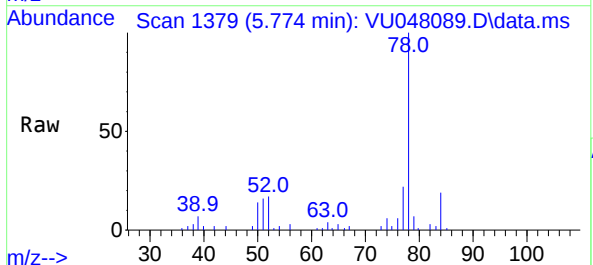
Instrument :  
MSVOA\_U  
ClientSampleId :  
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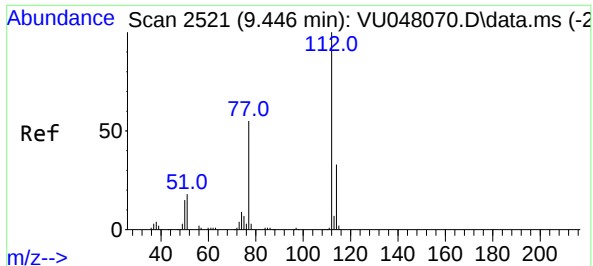
Tgt Ion:117 Resp: 1663  
Ion Ratio Lower Upper  
117 100  
119 104.0 77.2 115.8



#33  
Benzene  
Concen: 3.406 ug/L  
RT: 5.774 min Scan# 1379  
Delta R.T. -0.003 min  
Lab File: VU048089.D  
Acq: 15 Apr 2022 03:16

Tgt Ion: 78 Resp: 32635

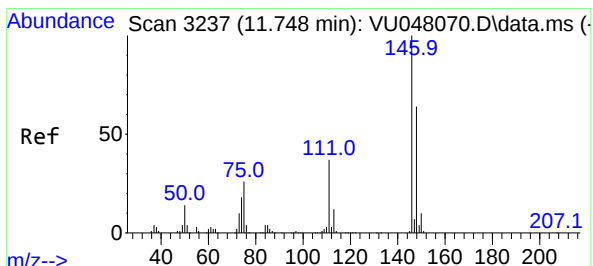
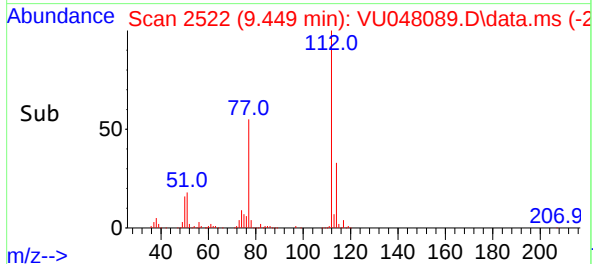
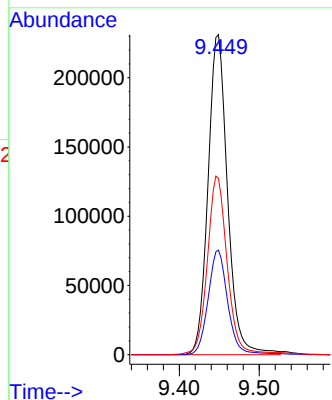
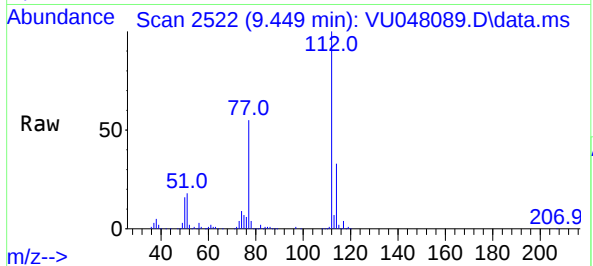




#51  
Chlorobenzene  
Concen: 55.057 ug/L  
RT: 9.449 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU048089.D  
Acq: 15 Apr 2022 03:16

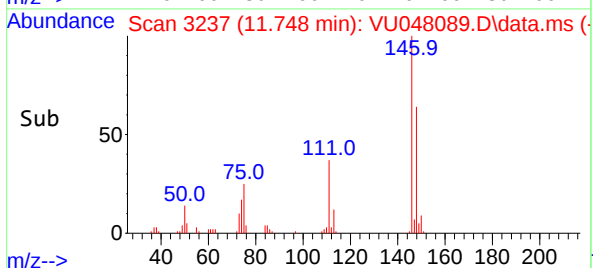
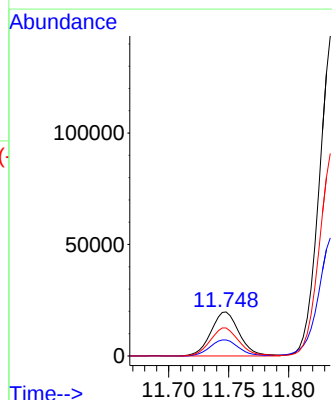
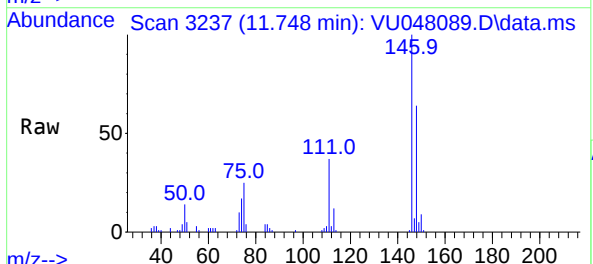
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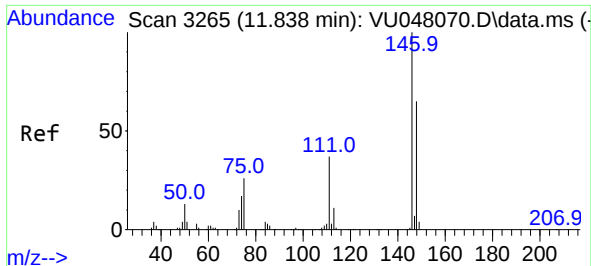
Tgt Ion:112 Resp: 393055  
Ion Ratio Lower Upper  
112 100  
114 32.7 22.1 41.1  
77 55.0 43.4 65.0



#64  
1,3-Dichlorobenzene  
Concen: 6.197 ug/L  
RT: 11.748 min Scan# 3237  
Delta R.T. -0.000 min  
Lab File: VU048089.D  
Acq: 15 Apr 2022 03:16

Tgt Ion:146 Resp: 32458  
Ion Ratio Lower Upper  
146 100  
111 36.5 26.7 49.7  
148 63.5 44.4 82.5

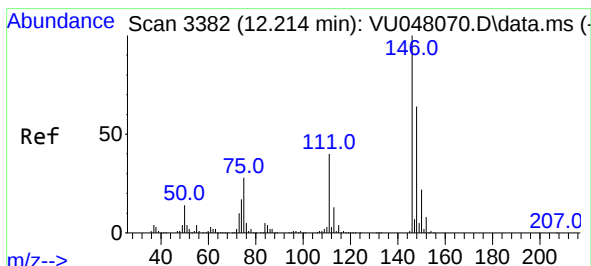
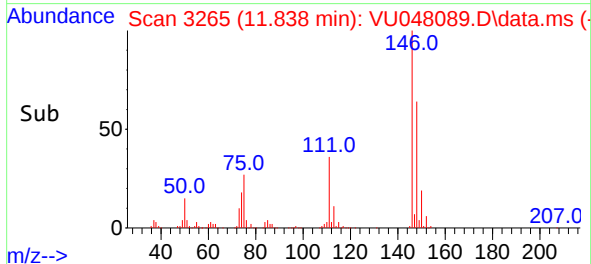
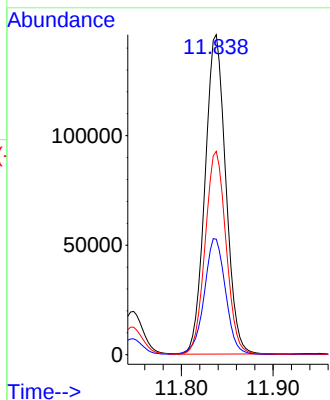
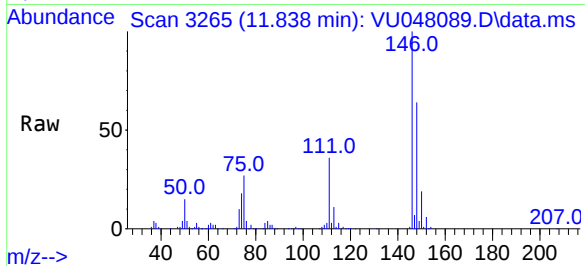




#65  
1,4-Dichlorobenzene  
Concen: 42.288 ug/L  
RT: 11.838 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU048089.D  
Acq: 15 Apr 2022 03:16

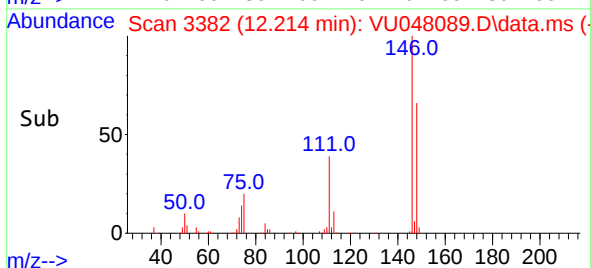
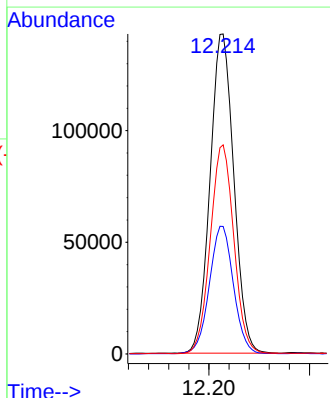
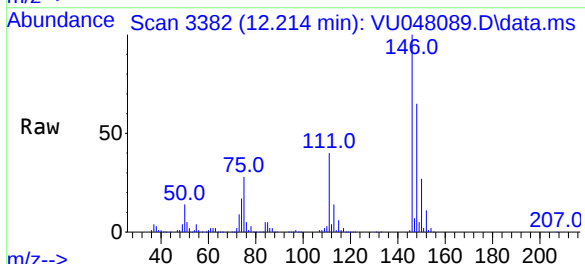
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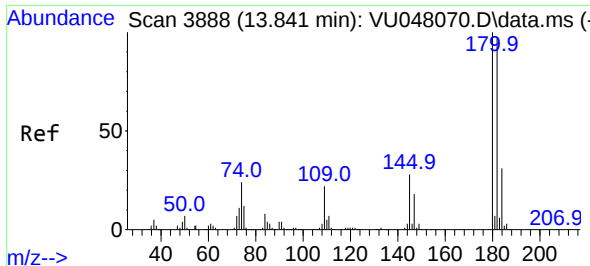
Tgt Ion:146 Resp: 229417  
Ion Ratio Lower Upper  
146 100  
111 36.1 25.3 47.1  
148 63.6 44.5 82.7



#67  
1,2-Dichlorobenzene  
Concen: 44.747 ug/L  
RT: 12.214 min Scan# 3382  
Delta R.T. -0.000 min  
Lab File: VU048089.D  
Acq: 15 Apr 2022 03:16

Tgt Ion:146 Resp: 234512  
Ion Ratio Lower Upper  
146 100  
111 39.8 31.7 47.5  
148 65.3 51.4 77.2

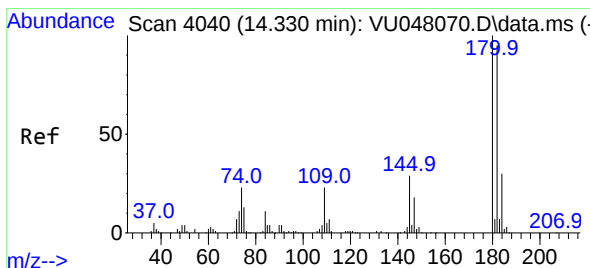
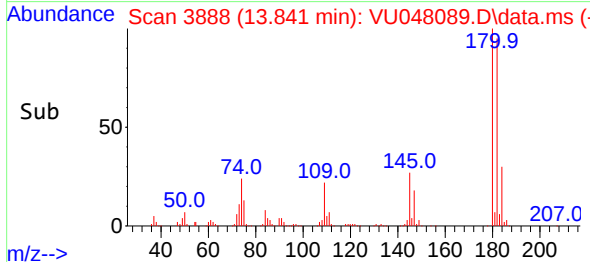
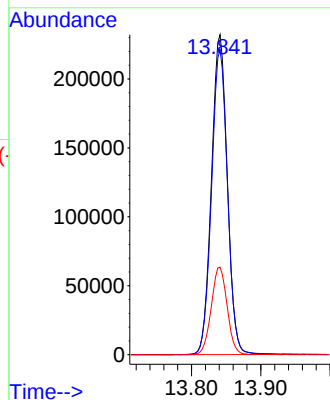
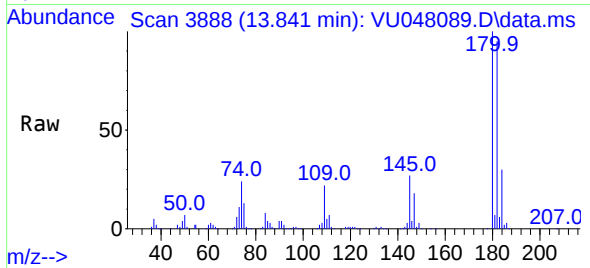




#70  
1,2,4-trichlorobenzene  
Concen: 98.672 ug/L  
RT: 13.841 min Scan# 3888  
Delta R.T. -0.000 min  
Lab File: VU048089.D  
Acq: 15 Apr 2022 03:16

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Tgt Ion:180 Resp: 367639  
Ion Ratio Lower Upper  
180 100  
182 96.0 76.2 114.2  
145 27.4 21.8 32.8



#72  
1,2,3-Trichlorobenzene  
Concen: 34.857 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. -0.000 min  
Lab File: VU048089.D  
Acq: 15 Apr 2022 03:16

Tgt Ion:180 Resp: 130195  
Ion Ratio Lower Upper  
180 100  
182 95.7 77.4 116.0  
145 28.8 22.8 34.2

