

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052322\  
 Data File : VU048656.D  
 Acq On : 23 May 2022 17:22  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VIBLK072

Quant Time: May 24 02:55:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM051622WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue May 24 02:53:22 2022  
 Response via : Initial Calibration

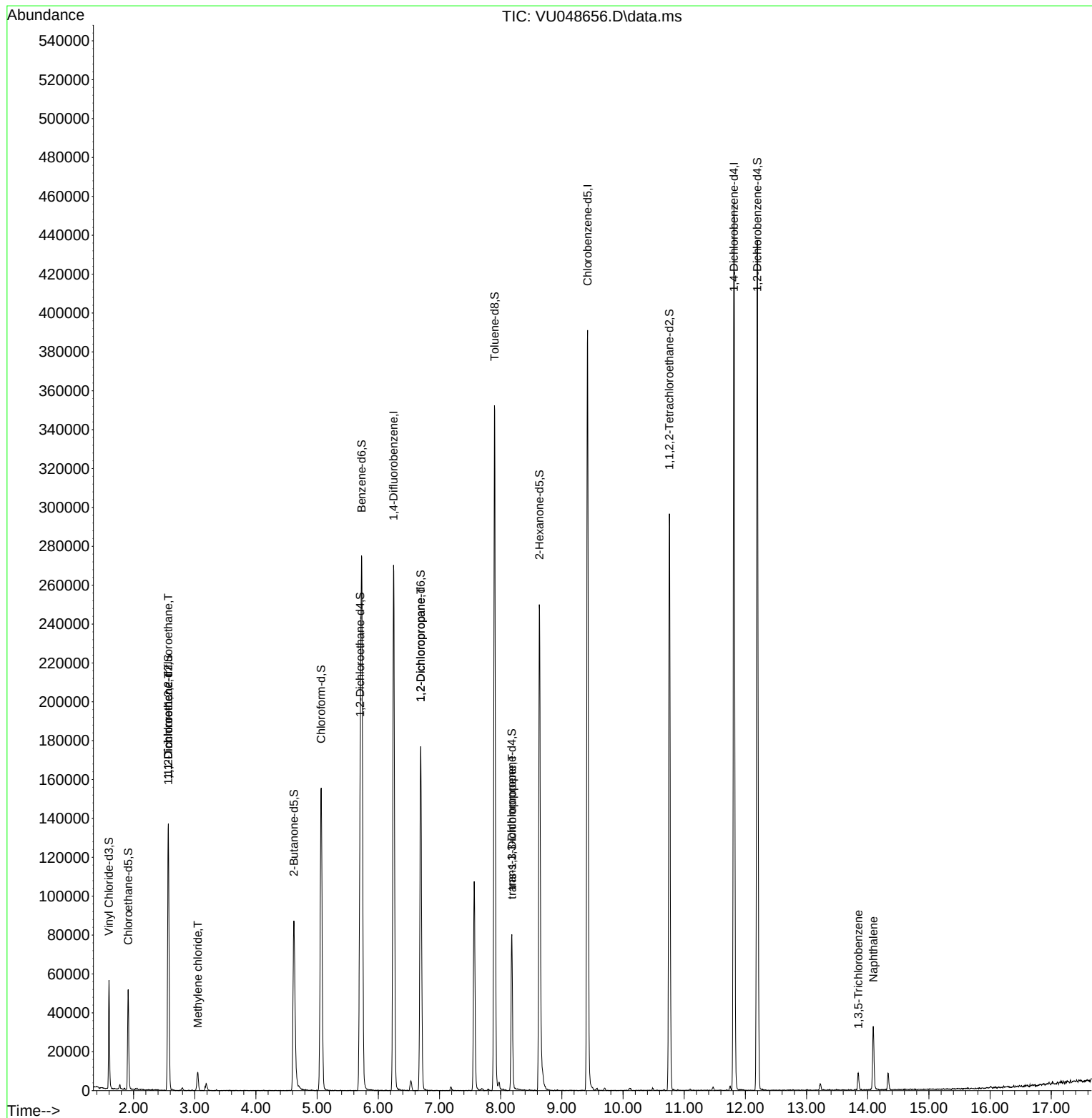
| Compound                      | R.T.    | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|---------|----------------|----------|--------|----------|----------|
| Internal Standards            |         |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114            | 221461   | 50.000 | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117            | 224312   | 50.000 | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152            | 126412   | 50.000 | ug/L     | 0.00     |
| System Monitoring Compounds   |         |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65             | 39477    | 29.104 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =      | 58.200%# |          |
| 7) Chloroethane-d5            | 1.912   | 69             | 36069    | 35.493 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =      | 70.980%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.568   | 63             | 81271    | 26.493 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =      | 52.980%# |          |
| 21) 2-Butanone-d5             | 4.620   | 46             | 118268   | 91.623 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =      | 91.620%  |          |
| 24) Chloroform-d              | 5.067   | 84             | 149341   | 43.569 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 87.140%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65             | 111560   | 46.134 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 92.260%  |          |
| 32) Benzene-d6                | 5.729   | 84             | 246989   | 39.564 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 79.120%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67             | 75992    | 41.465 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =      | 82.920%  |          |
| 41) Toluene-d8                | 7.899   | 98             | 230945   | 39.330 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =      | 78.660%# |          |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79             | 45716    | 39.009 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =      | 78.020%  |          |
| 47) 2-Hexanone-d5             | 8.632   | 63             | 81737    | 81.325 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =      | 81.320%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84             | 133042   | 43.871 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =      | 87.740%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152            | 116329   | 45.015 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =      | 90.040%  |          |
| Target Compounds              |         |                |          |        |          |          |
|                               |         |                |          |        | Qvalue   |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.565   | 101            | 897      | 0.577  | ug/L #   | 17       |
| 12) 1,1-Dichloroethene        | 2.568   | 96             | 742      | 0.515  | ug/L #   | 1        |
| 16) Methylene chloride        | 3.047   | 84             | 4790     | 2.855  | ug/L     | 93       |
| 37) 1,2-Dichloropropane       | 6.694   | 63             | 10086    | 6.155  | ug/L #   | 86       |
| 44) trans-1,3-Dichloropropene | 8.185   | 75             | 2481     | 0.841  | ug/L #   | 80       |
| 69) 1,3,5-Trichlorobenzene    | 13.844  | 180            | 3136     | 0.980  | ug/L     | 98       |
| 71) Naphthalene               | 14.092  | 128            | 30198    | 3.164  | ug/L     | 96       |

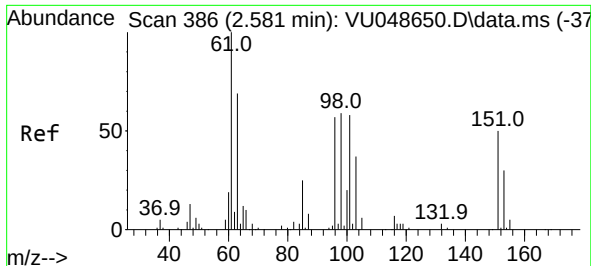
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue May 24 02:53:22 2022  
Response via : Initial Calibration

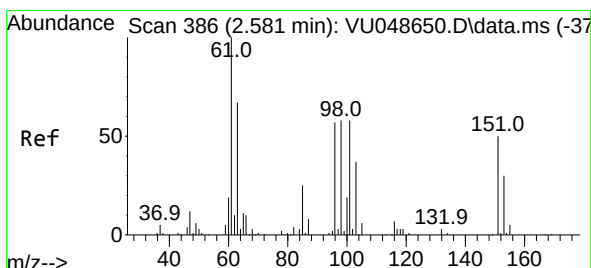
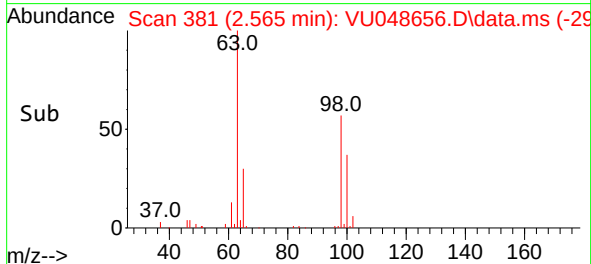
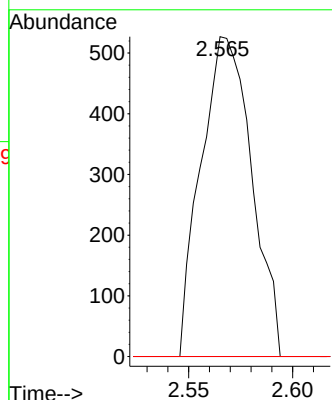
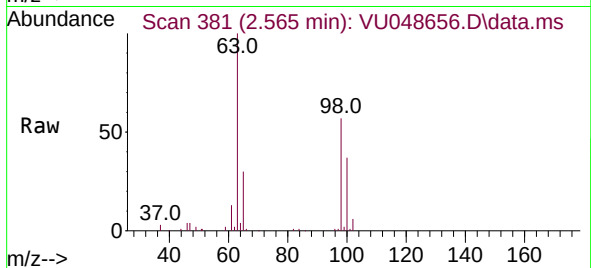




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.577 ug/L  
 RT: 2.565 min Scan# 381  
 Delta R.T. -0.016 min  
 Lab File: VU048656.D  
 Acq: 23 May 2022 17:22

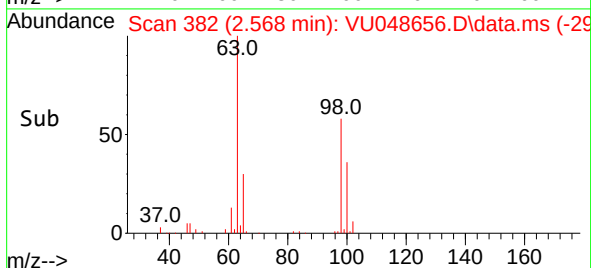
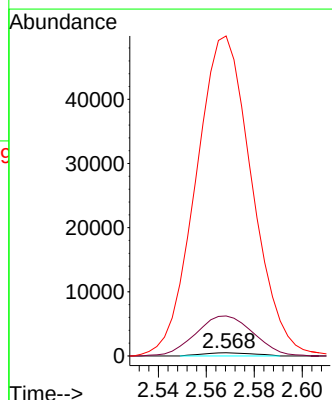
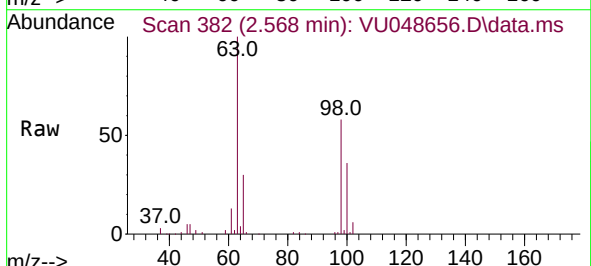
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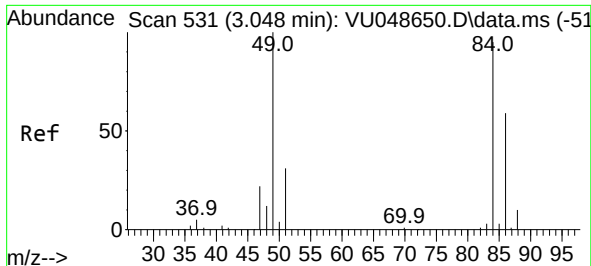
Tgt Ion:101 Resp: 897  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 35.7 53.5#  
 151 0.0 64.4 96.6#



#12  
 1,1-Dichloroethene  
 Concen: 0.515 ug/L  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.013 min  
 Lab File: VU048656.D  
 Acq: 23 May 2022 17:22

Tgt Ion: 96 Resp: 742  
 Ion Ratio Lower Upper  
 96 100  
 61 1260.0 120.6 224.0#  
 63 10076.8 82.3 152.9#

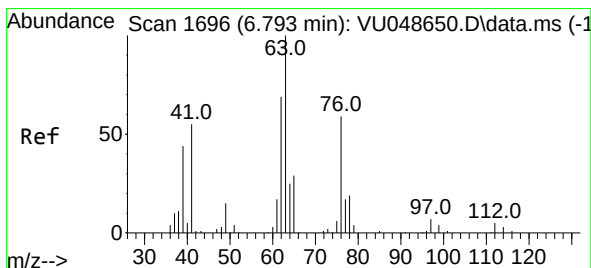
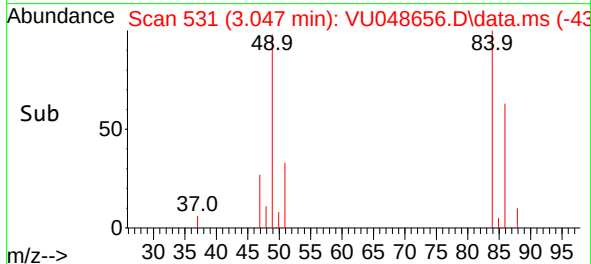
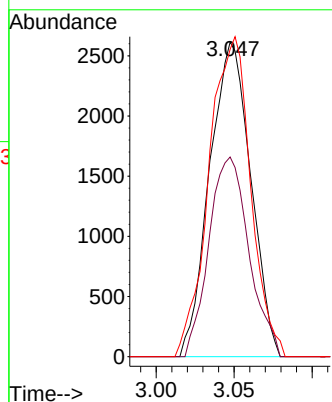
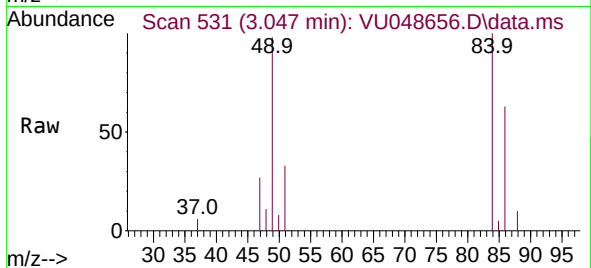




#16  
Methylene chloride  
Concen: 2.855 ug/L  
RT: 3.047 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VU048656.D  
Acq: 23 May 2022 17:22

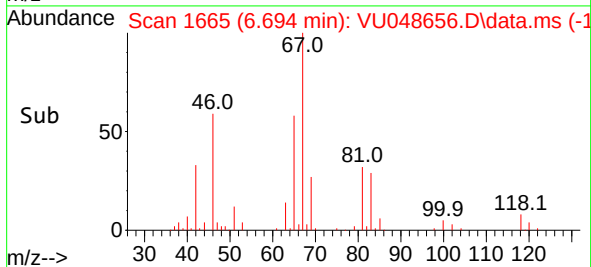
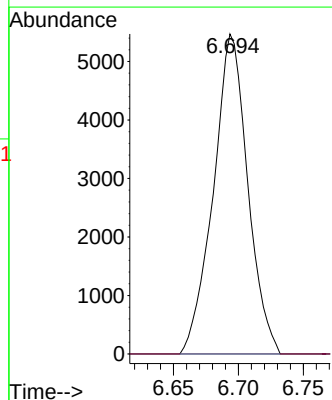
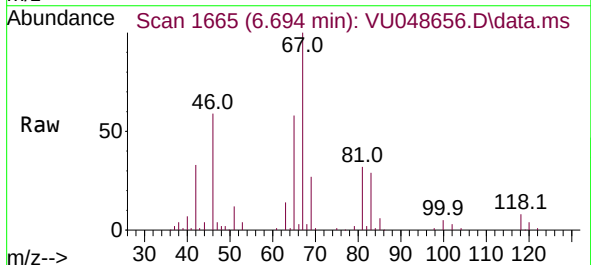
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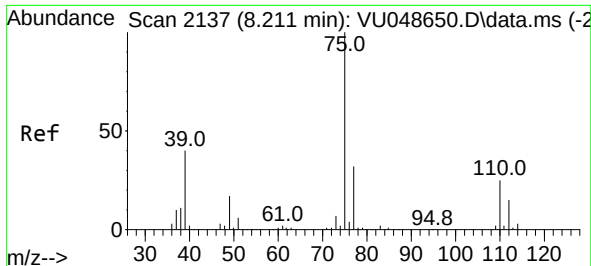
Tgt Ion: 84 Resp: 4790  
Ion Ratio Lower Upper  
84 100  
86 63.5 43.5 80.9  
49 97.7 76.4 141.8



#37  
1,2-Dichloropropane  
Concen: 6.155 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.100 min  
Lab File: VU048656.D  
Acq: 23 May 2022 17:22

Tgt Ion: 63 Resp: 10086  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.7 5.5#

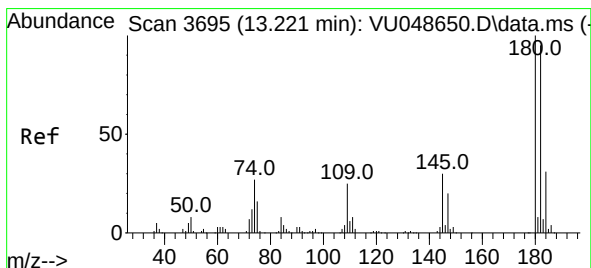
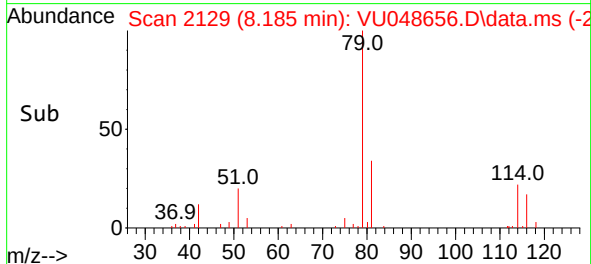
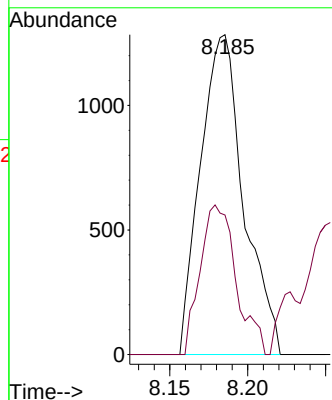
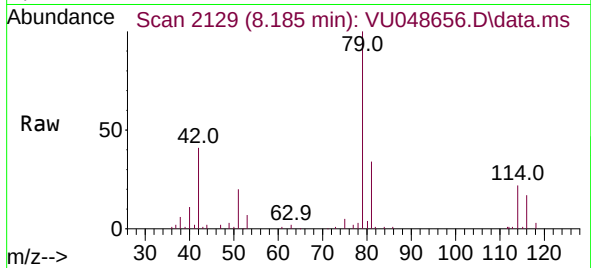




#44  
trans-1,3-Dichloropropene  
Concen: 0.841 ug/L  
RT: 8.185 min Scan# 2137  
Delta R.T. -0.026 min  
Lab File: VU048656.D  
Acq: 23 May 2022 17:22

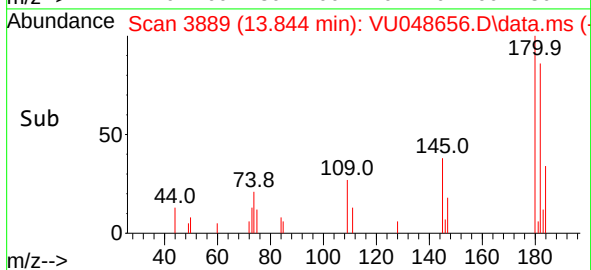
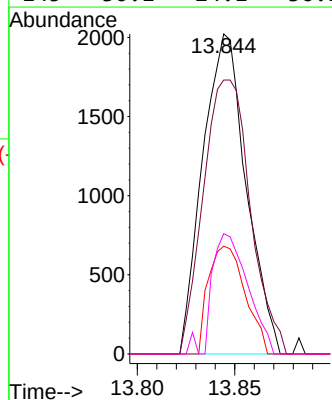
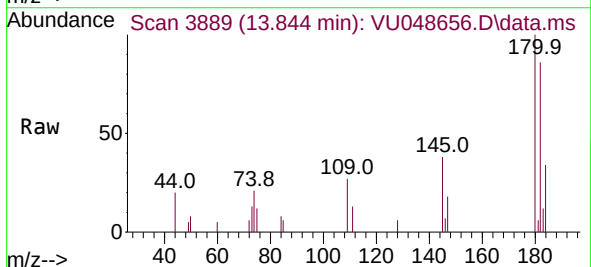
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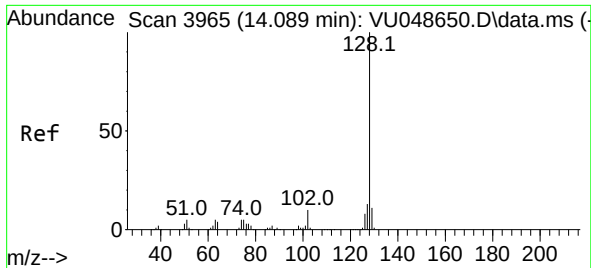
Tgt Ion: 75 Resp: 2481  
Ion Ratio Lower Upper  
75 100  
77 43.6 22.7 42.1#



#69  
1,3,5-Trichlorobenzene  
Concen: 0.980 ug/L  
RT: 13.844 min Scan# 3889  
Delta R.T. 0.624 min  
Lab File: VU048656.D  
Acq: 23 May 2022 17:22

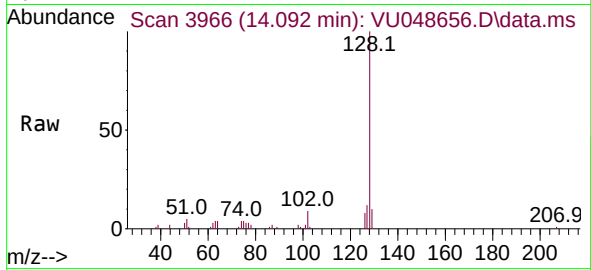
Tgt Ion: 180 Resp: 3136  
Ion Ratio Lower Upper  
180 100  
182 92.4 75.8 113.6  
184 28.5 23.4 35.2  
145 30.1 24.1 36.1





#71  
Naphthalene  
Concen: 3.164 ug/L  
RT: 14.092 min Scan# 3966  
Delta R.T. 0.003 min  
Lab File: VU048656.D  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 30198 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 10.7  | 10.6  | 16.0  |
| 129      | 10.9  | 8.8   | 13.2  |

