

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121223\  
 Data File : VU056819.D  
 Acq On : 13 Dec 2023 05:50  
 Operator : MD/SY  
 Sample : 05684-03  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E06H9

Quant Time: Dec 13 06:09:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Dec 13 01:32:29 2023  
 Response via : Initial Calibration

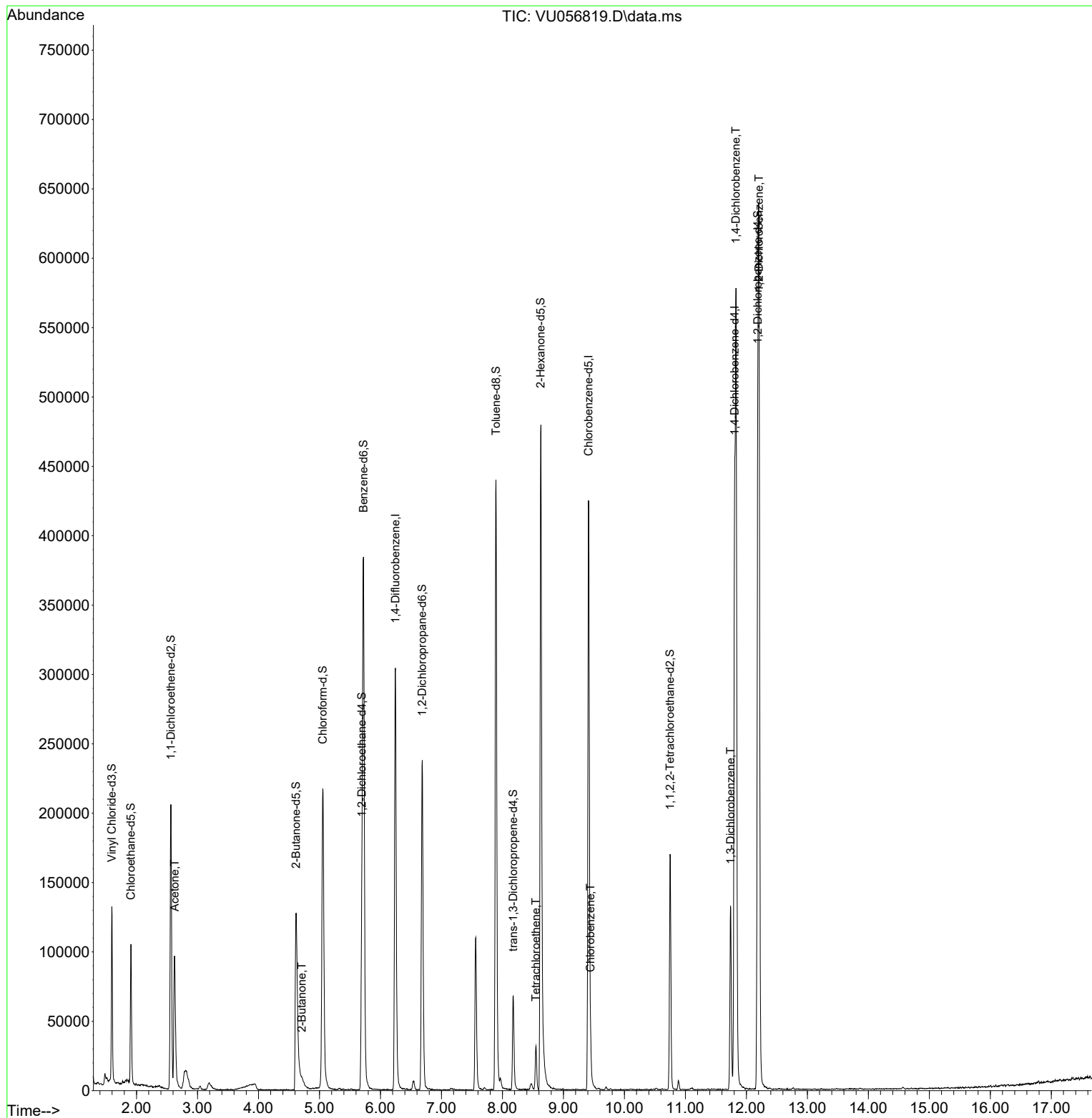
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114            | 247483   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117            | 244359   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152            | 105444   | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65             | 90542    | 4.268  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 85.400%  |          |
| 7) Chloroethane-d5            | 1.907  | 69             | 74642    | 4.702  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 94.000%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65             | 39520    | 4.354  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 87.000%  |          |
| 20) 2-Butanone-d5             | 4.615  | 46             | 207728   | 49.585 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 99.160%  |          |
| 24) Chloroform-d              | 5.055  | 84             | 192365   | 4.789  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 95.800%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65             | 95237    | 5.010  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 100.200% |          |
| 32) Benzene-d6                | 5.721  | 84             | 371517   | 4.902  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 98.000%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67             | 117765   | 4.964  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 99.200%  |          |
| 41) Toluene-d8                | 7.894  | 98             | 303253   | 4.477  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 89.600%  |          |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79             | 41881    | 4.552  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 91.000%  |          |
| 46) 2-Hexanone-d5             | 8.627  | 63             | 158944   | 45.808 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 91.620%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84             | 86646    | 5.048  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 101.000% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152            | 106669   | 5.146  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 103.000% |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 13) Acetone                   | 2.624  | 43             | 119821   | 46.933 | ug/L     | 100      |
| 21) 2-Butanone                | 4.711  | 43             | 11379    | 2.643  | ug/L     | 75       |
| 47) Tetrachloroethene         | 8.550  | 164            | 6717     | 0.407  | ug/L     | 93       |
| 51) Chlorobenzene             | 9.444  | 112            | 13495    | 0.238  | ug/L     | 98       |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146            | 54306    | 1.378  | ug/L     | 99       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146            | 213779   | 5.509  | ug/L     | 99       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146            | 214421   | 5.973  | ug/L     | 98       |
| -----                         |        |                |          |        |          |          |

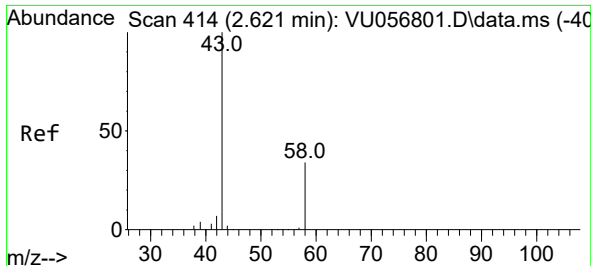
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 46.933 ug/L

RT: 2.624 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU056819.D

Acq: 13 Dec 2023 05:50

Instrument :

MSVOA\_U

ClientSampleId :

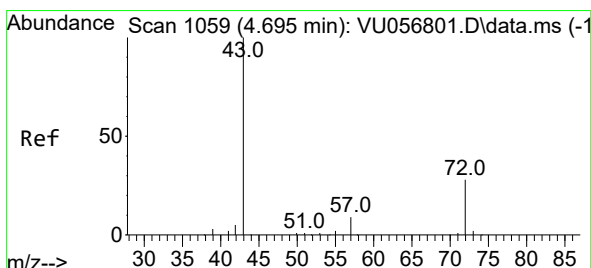
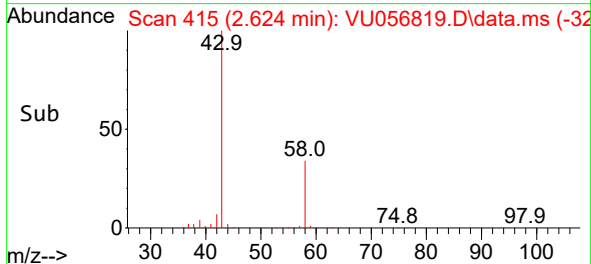
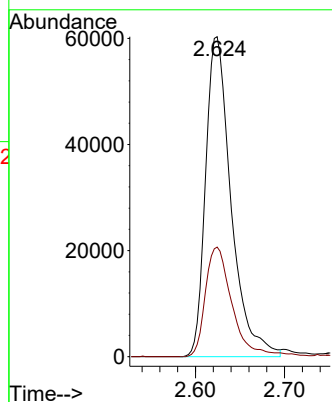
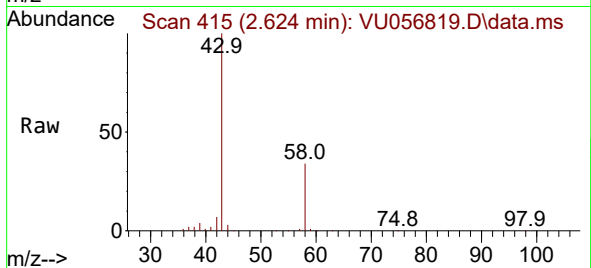
E06H9

Tgt Ion: 43 Resp: 119821

Ion Ratio Lower Upper

43 100

58 36.2 0.0 72.6



#21

2-Butanone

Concen: 2.643 ug/L

RT: 4.711 min Scan# 1064

Delta R.T. 0.016 min

Lab File: VU056819.D

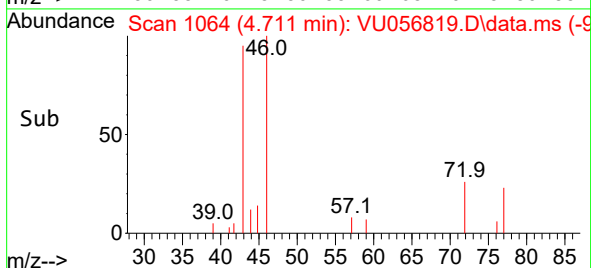
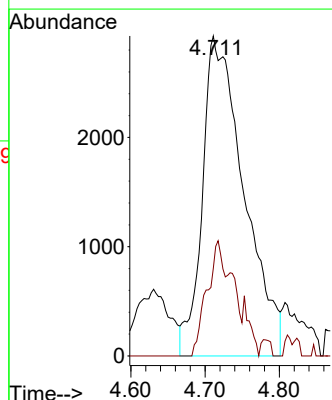
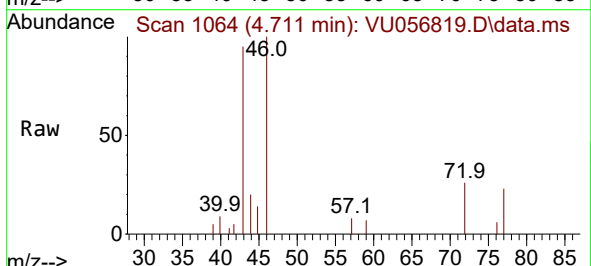
Acq: 13 Dec 2023 05:50

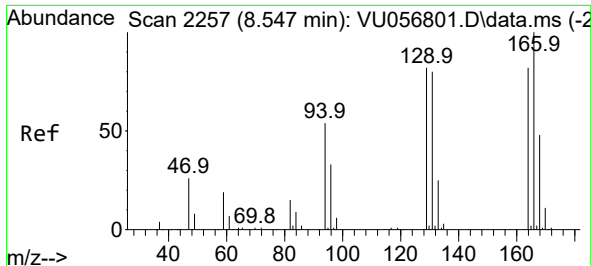
Tgt Ion: 43 Resp: 11379

Ion Ratio Lower Upper

43 100

72 15.9 14.6 43.8





#47

Tetrachloroethene

Concen: 0.407 ug/L

RT: 8.550 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU056819.D

Acq: 13 Dec 2023 05:50

Instrument :

MSVOA\_U

ClientSampleId :

E06H9

Tgt Ion:164 Resp: 6717

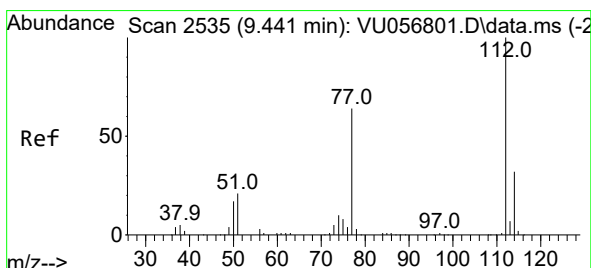
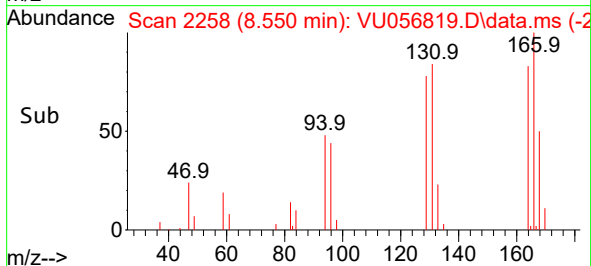
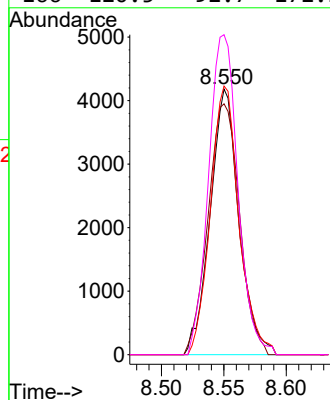
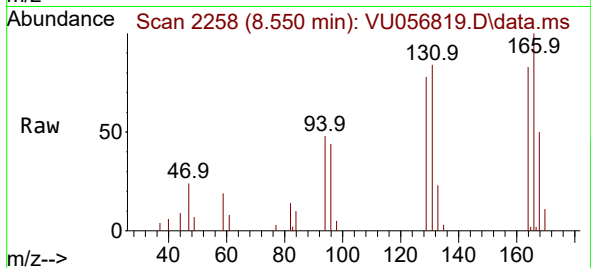
Ion Ratio Lower Upper

164 100

129 94.5 73.4 136.4

131 101.1 71.5 132.9

166 120.5 92.7 172.1



#51

Chlorobenzene

Concen: 0.238 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU056819.D

Acq: 13 Dec 2023 05:50

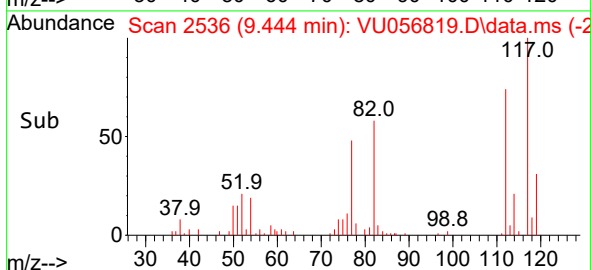
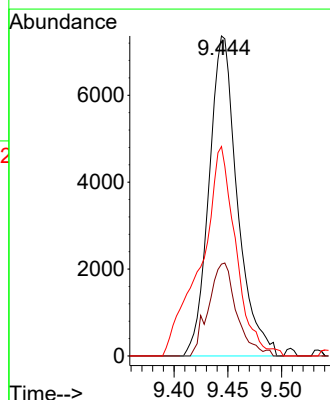
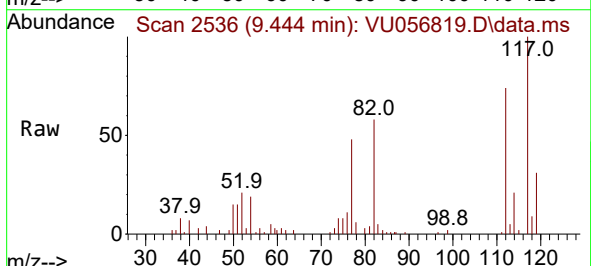
Tgt Ion:112 Resp: 13495

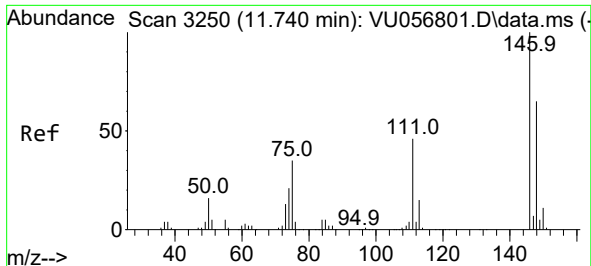
Ion Ratio Lower Upper

112 100

114 28.7 21.9 40.7

77 65.5 51.6 77.4

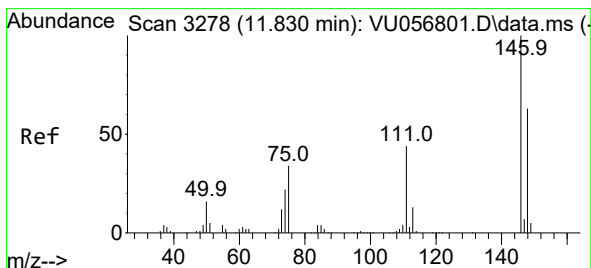
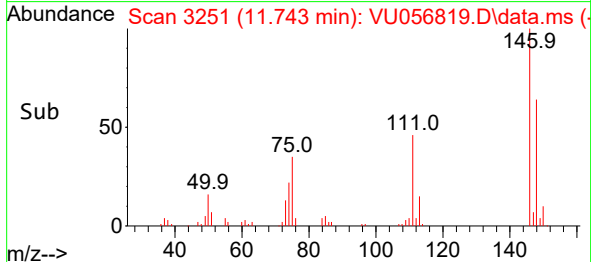
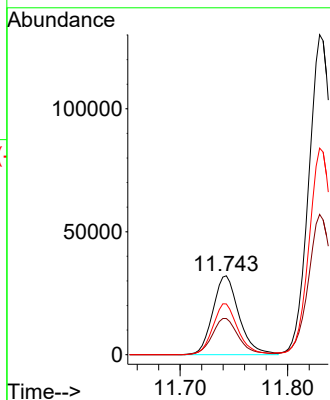
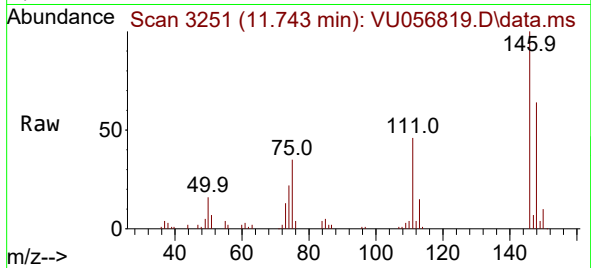




#64  
1,3-Dichlorobenzene  
Concen: 1.378 ug/L  
RT: 11.743 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU056819.D  
Acq: 13 Dec 2023 05:50

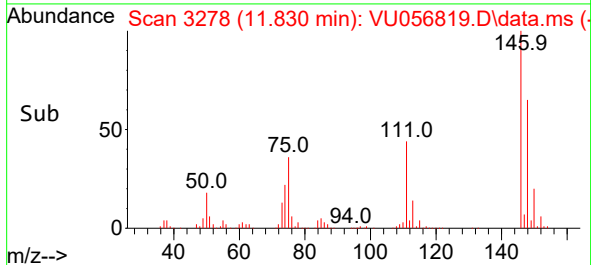
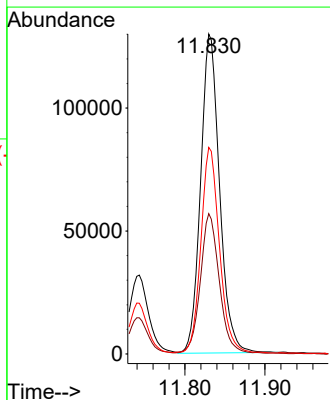
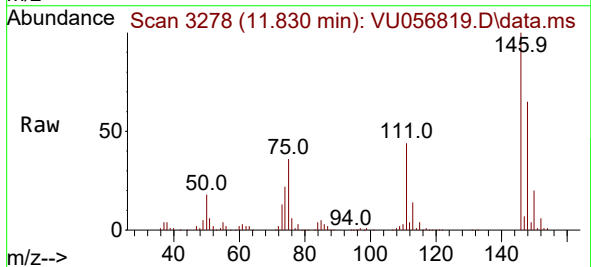
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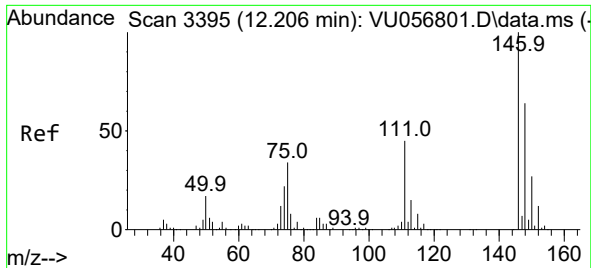
Tgt Ion:146 Resp: 54306  
Ion Ratio Lower Upper  
146 100  
111 45.8 31.7 58.9  
148 64.3 44.3 82.3



#65  
1,4-Dichlorobenzene  
Concen: 5.509 ug/L  
RT: 11.830 min Scan# 3278  
Delta R.T. -0.000 min  
Lab File: VU056819.D  
Acq: 13 Dec 2023 05:50

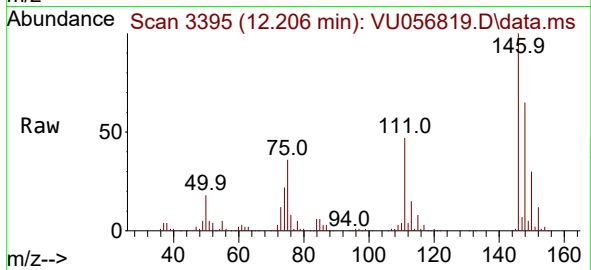
Tgt Ion:146 Resp: 213779  
Ion Ratio Lower Upper  
146 100  
111 43.9 31.2 58.0  
148 64.5 45.6 84.8





#67  
1,2-Dichlorobenzene  
Concen: 5.973 ug/L  
RT: 12.206 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU056819.D  
Acq: 13 Dec 2023 05:50

Instrument :  
MSVOA\_U  
ClientSampleId :  
E06H9



| Tgt Ion: | Ratio | Lower | Upper |
|----------|-------|-------|-------|
| 146      | 100   |       |       |
| 111      | 47.1  | 36.9  | 55.3  |
| 148      | 64.9  | 53.0  | 79.4  |

