

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100722\  
 Data File : VU051221.D  
 Acq On : 07 Oct 2022 16:29  
 Operator : JC/MD  
 Sample : N4866-13  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK001

Quant Time: Oct 08 04:26:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Oct 08 00:50:53 2022  
 Response via : Initial Calibration

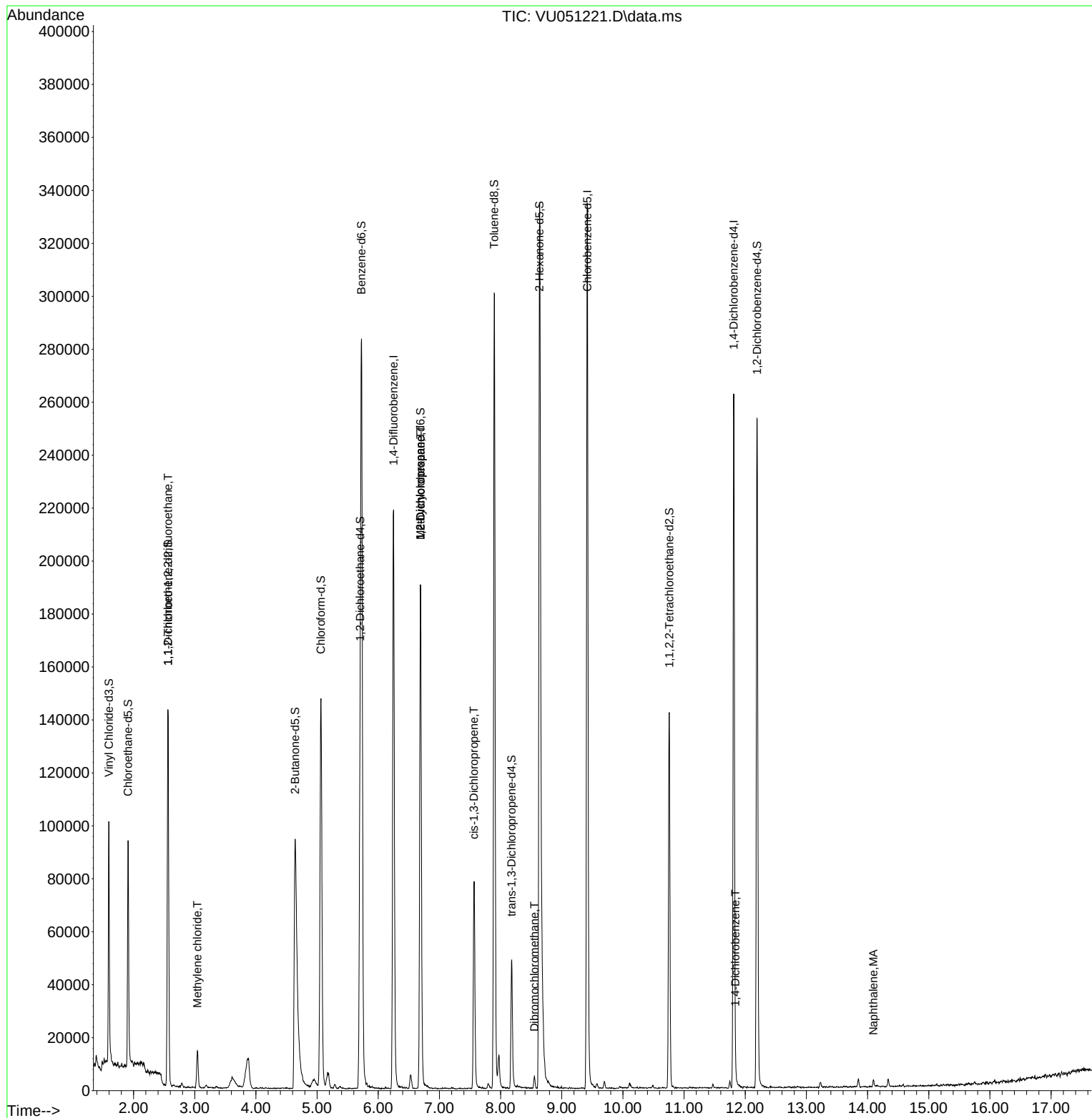
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114            | 174559   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117            | 191448   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152            | 69685    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.594  | 65             | 69851    | 4.961  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 99.200%  |          |
| 7) Chloroethane-d5            | 1.909  | 69             | 62883    | 5.198  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 104.000% |          |
| 11) 1,1-Dichloroethene-d2     | 2.562  | 65             | 26706    | 4.798  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 96.000%  |          |
| 20) 2-Butanone-d5             | 4.642  | 46             | 188768   | 60.891 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 121.780% |          |
| 24) Chloroform-d              | 5.063  | 84             | 140228   | 5.342  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 106.800% |          |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65             | 74938    | 5.535  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 110.800% |          |
| 32) Benzene-d6                | 5.726  | 84             | 264112   | 5.015  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 100.200% |          |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67             | 93400    | 5.222  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 104.400% |          |
| 41) Toluene-d8                | 7.896  | 98             | 204530   | 4.341  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 86.800%  |          |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79             | 27775    | 4.726  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 94.600%  |          |
| 46) 2-Hexanone-d5             | 8.636  | 63             | 101274   | 51.134 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 102.260% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84             | 73944    | 5.175  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 103.600% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152            | 67842    | 5.601  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 112.000% |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.562  | 101            | 981      | 0.072  | ug/L #   | 29       |
| 16) Methylene chloride        | 3.041  | 84             | 6426     | 0.342  | ug/L     | 93       |
| 35) Methylcyclohexane         | 6.690  | 83             | 21110    | 1.049  | ug/L #   | 17       |
| 37) 1,2-Dichloropropane       | 6.690  | 63             | 9312     | 0.532  | ug/L #   | 89       |
| 39) cis-1,3-Dichloropropene   | 7.565  | 75             | 2106     | 0.100  | ug/L     | 86       |
| 49) Dibromochloromethane      | 8.552  | 129            | 985      | 0.071  | ug/L #   | 11       |
| 65) 1,4-Dichlorobenzene       | 11.841 | 146            | 1512     | 0.070  | ug/L     | 89       |
| 71) Naphthalene               | 14.095 | 128            | 2809     | 0.141  | ug/L #   | 86       |
| -----                         |        |                |          |        |          |          |

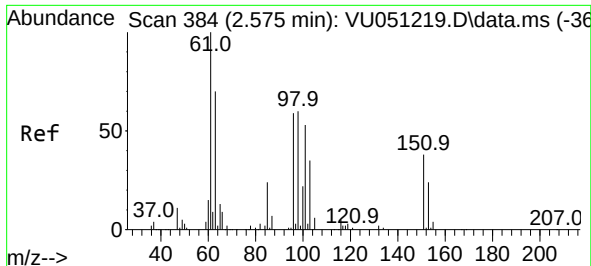
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

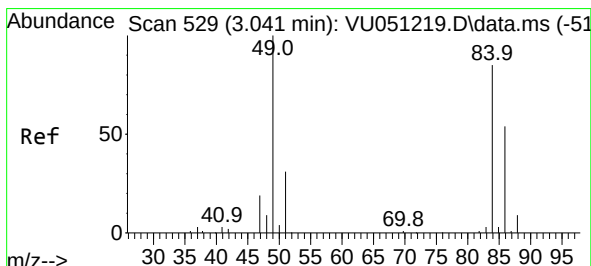
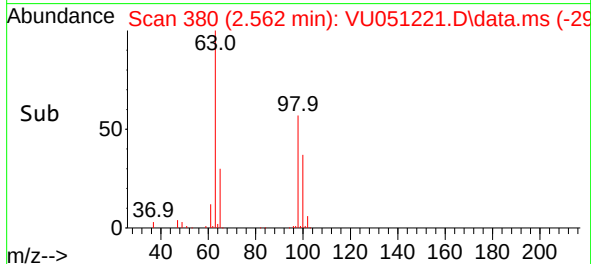
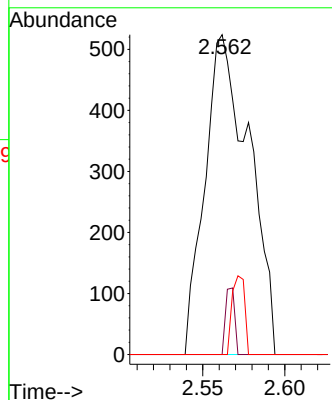
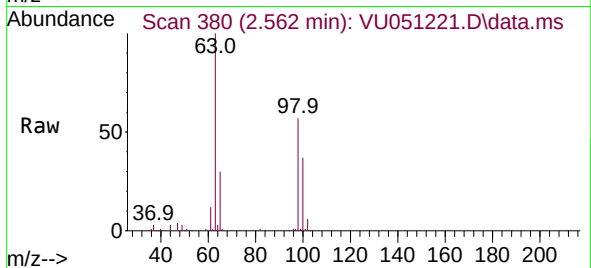




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.072 ug/L  
RT: 2.562 min Scan# 384  
Delta R.T. -0.013 min  
Lab File: VU051221.D  
Acq: 07 Oct 2022 16:29

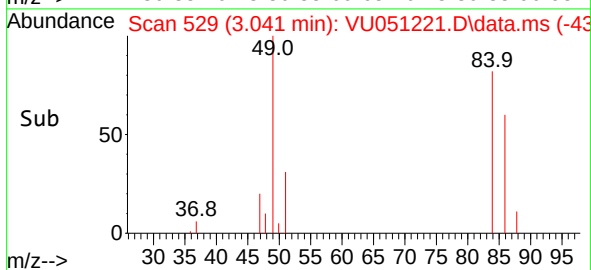
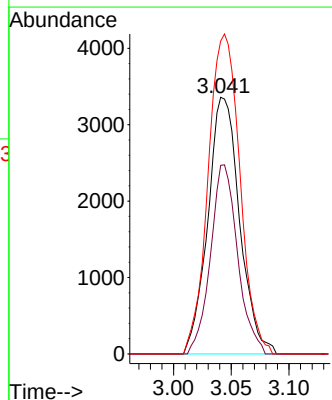
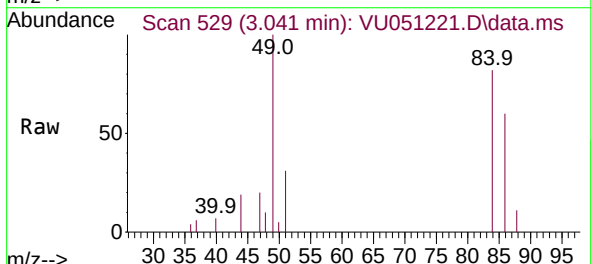
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MSVOA\_U  
ClientSampleId :  
VHBLK001

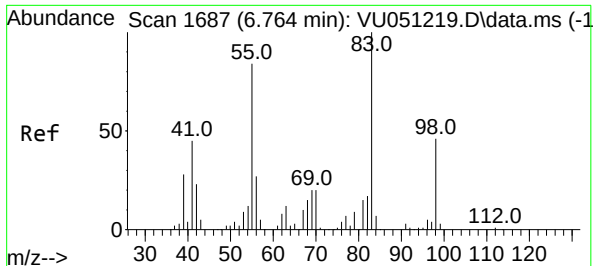
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 981   |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 4.3   | 34.6  | 51.8# |
| 151      | 7.0   | 56.5  | 84.7# |



#16  
Methylene chloride  
Concen: 0.342 ug/L  
RT: 3.041 min Scan# 529  
Delta R.T. -0.000 min  
Lab File: VU051221.D  
Acq: 07 Oct 2022 16:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 6426  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 86       | 73.5  | 46.5  | 86.3  |
| 49       | 122.0 | 81.3  | 151.1 |

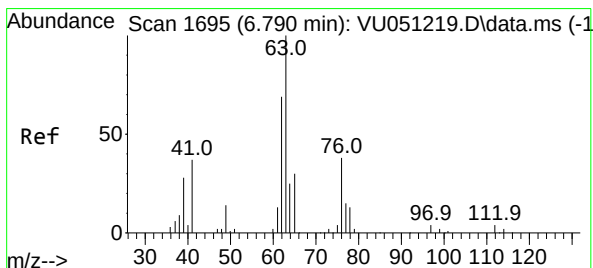
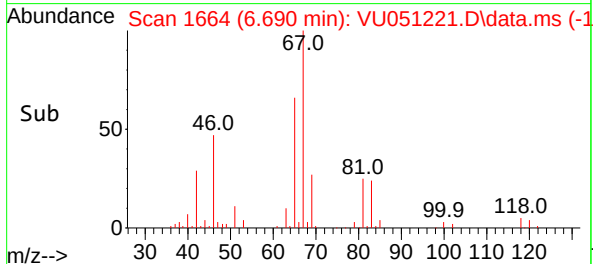
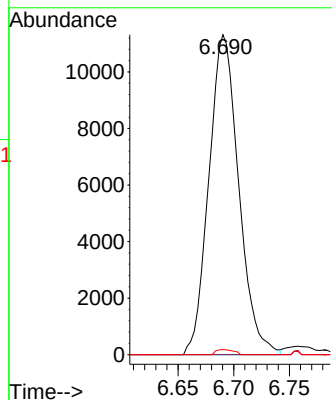
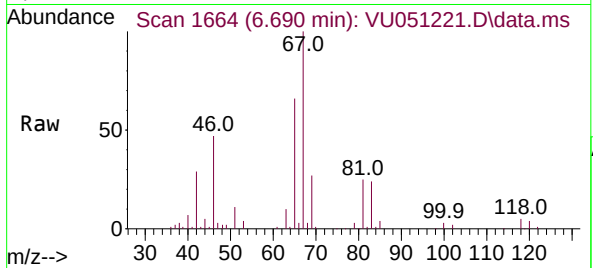




#35  
Methylcyclohexane  
Concen: 1.049 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.074 min  
Lab File: VU051221.D  
Acq: 07 Oct 2022 16:29

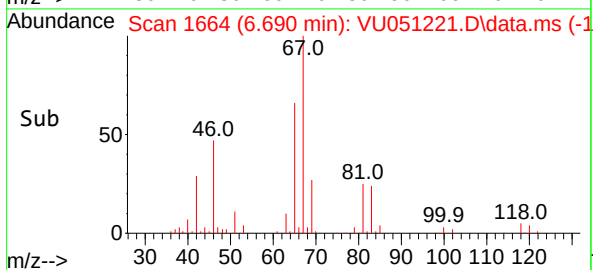
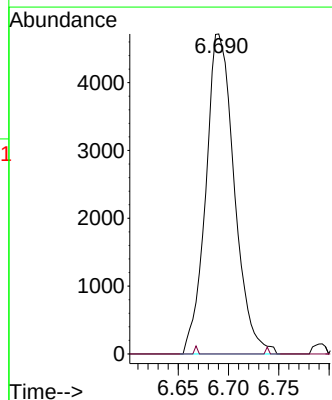
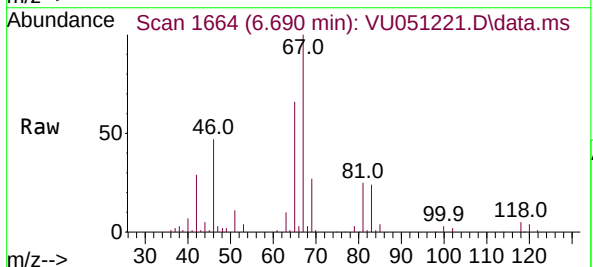
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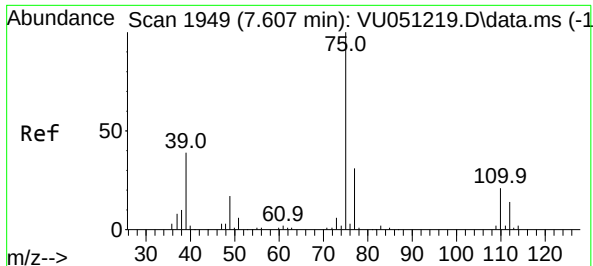
Tgt Ion: 83 Resp: 21110  
Ion Ratio Lower Upper  
83 100  
55 0.0 65.8 98.6#  
98 0.9 35.9 53.9#



#37  
1,2-Dichloropropane  
Concen: 0.532 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.100 min  
Lab File: VU051221.D  
Acq: 07 Oct 2022 16:29

Tgt Ion: 63 Resp: 9312  
Ion Ratio Lower Upper  
63 100  
112 0.2 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU051221.D

Acq: 07 Oct 2022 16:29

Instrument :

MSVOA\_U

ClientSampleId :

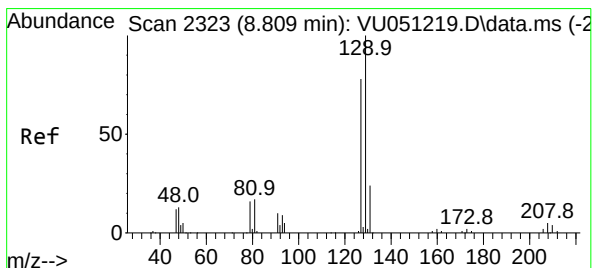
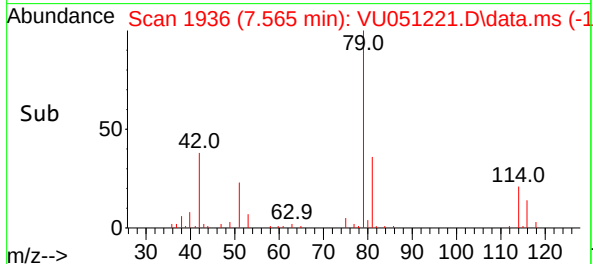
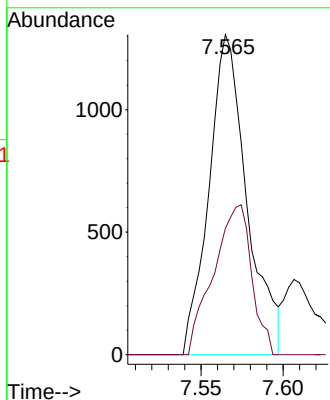
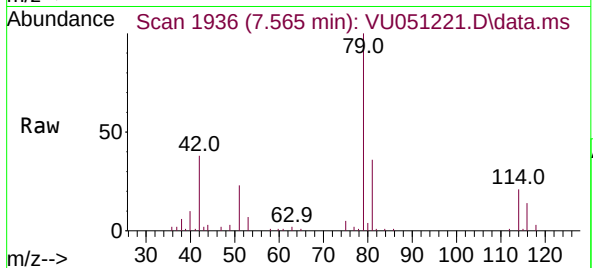
VHBLK001

Tgt Ion: 75 Resp: 2106

Ion Ratio Lower Upper

75 100

77 39.5 22.0 41.0



#49

Dibromochloromethane

Concen: 0.071 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.257 min

Lab File: VU051221.D

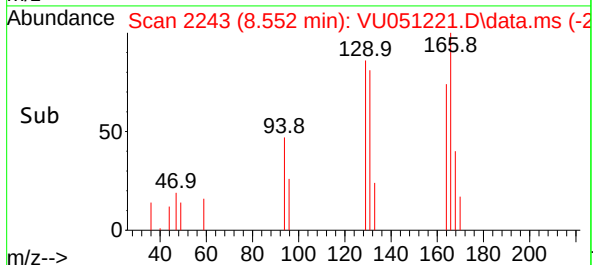
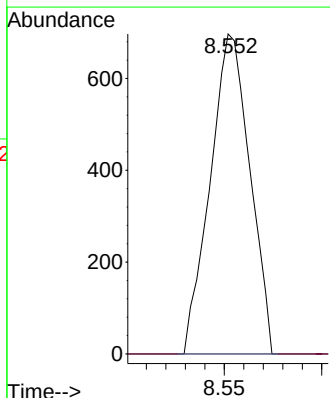
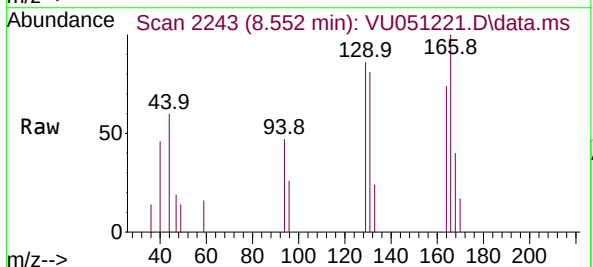
Acq: 07 Oct 2022 16:29

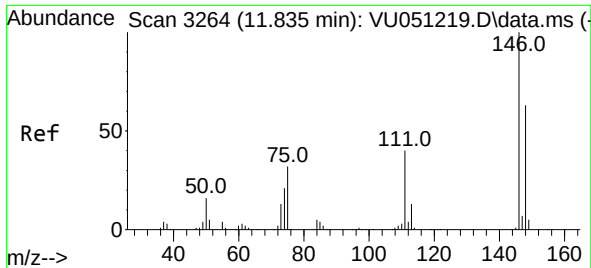
Tgt Ion: 129 Resp: 985

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#

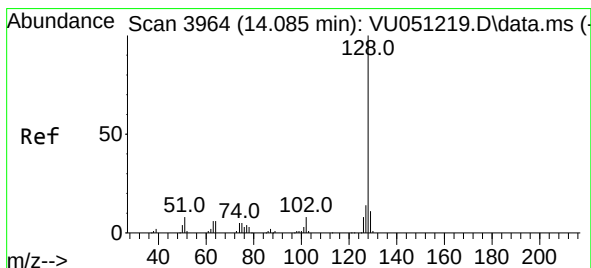
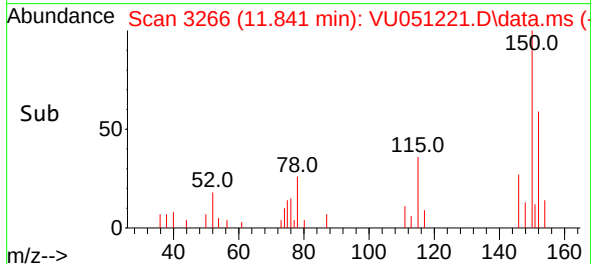
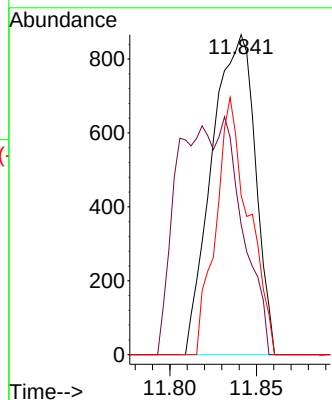
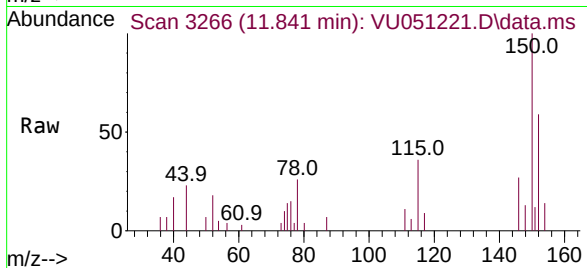




#65  
1,4-Dichlorobenzene  
Concen: 0.070 ug/L  
RT: 11.841 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VU051221.D  
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Tgt Ion:146 Resp: 1512  
Ion Ratio Lower Upper  
146 100  
111 40.6 29.1 54.1  
148 49.8 44.2 82.0



#71  
Naphthalene  
Concen: 0.141 ug/L  
RT: 14.095 min Scan# 3967  
Delta R.T. 0.010 min  
Lab File: VU051221.D  
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Tgt Ion:128 Resp: 2809  
Ion Ratio Lower Upper  
128 100  
129 11.6 8.5 12.7  
127 4.4 11.1 16.7#

