

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110222\  
 Data File : VU051718.D  
 Acq On : 03 Nov 2022 03:07  
 Operator : JC/MD  
 Sample : N5301-27  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBWRO

Quant Time: Nov 03 04:30:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 03 03:06:09 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 178686   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 187747   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 83449    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 67371    | 5.006    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 100.200% |
| 7) Chloroethane-d5            | 1.912  | 69    | 60792    | 4.331    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 86.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 26344    | 5.394    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 107.800% |
| 20) 2-Butanone-d5             | 4.623  | 46    | 207813   | 42.639   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 85.280%  |
| 24) Chloroform-d              | 5.063  | 84    | 137192   | 4.356    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 71983    | 4.231    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 84.600%  |
| 32) Benzene-d6                | 5.726  | 84    | 265161   | 4.475    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67    | 92976    | 4.488    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 89.800%  |
| 41) Toluene-d8                | 7.896  | 98    | 207131   | 4.446    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.000%  |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 26837    | 4.237    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 84.800%  |
| 46) 2-Hexanone-d5             | 8.632  | 63    | 152006   | 39.862   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 79.720%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754 | 84    | 86067    | 4.533    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 90.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152   | 79777    | 5.209    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 104.200% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.604  | 62    | 272719   | 11.557   | ug/L # | 71       |
| 8) Chloroethane               | 1.944  | 64    | 3364     | 0.235    | ug/L # | 51       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.562  | 101   | 652      | 0.043    | ug/L # | 19       |
| 12) 1,1-Dichloroethene        | 2.578  | 96    | 27751    | 1.786    | ug/L # | 53       |
| 13) Acetone                   | 2.626  | 43    | 8057     | 3.258    | ug/L   | 100      |
| 14) Carbon disulfide          | 2.790  | 76    | 6800     | 0.136    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.350  | 96    | 1254088  | 75.225   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.877  | 63    | 3979     | 0.129    | ug/L # | 85       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 9323622  | 505.431  | ug/L   | 99       |
| 33) Benzene                   | 5.774  | 78    | 5383     | 0.073    | ug/L   | 100      |
| 34) Trichloroethene           | 6.542  | 95    | 4260906  | 238.304  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.690  | 83    | 19833    | 0.802    | ug/L # | 22       |
| 37) 1,2-Dichloropropane       | 6.687  | 63    | 9579     | 0.503    | ug/L # | 88       |
| 47) Tetrachloroethene         | 8.552  | 164   | 32364    | 2.363    | ug/L   | 95       |
| 49) Dibromochloromethane      | 8.552  | 129   | 31303    | 1.962    | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.809 | 75    | 10360    | 0.960    | ug/L # | 69       |
| -----                         |        |       |          |          |        |          |

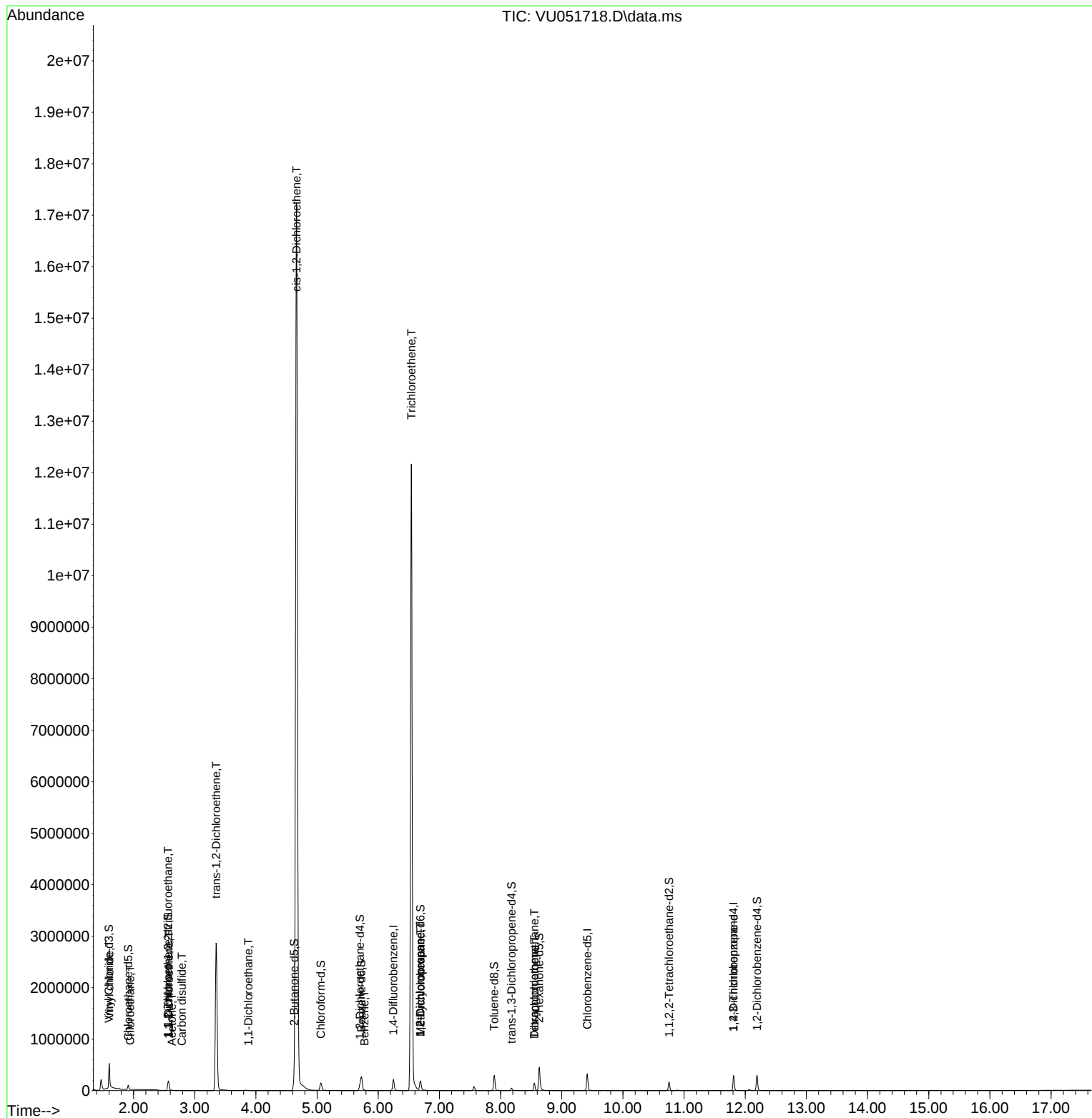
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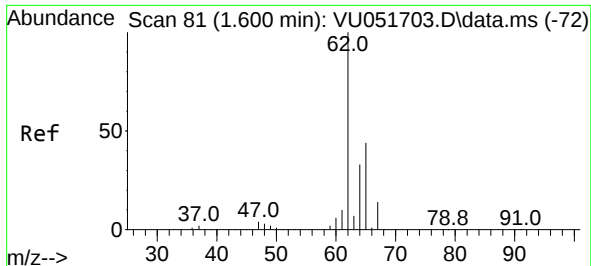
**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
DBWRO

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Nov 03 03:06:09 2022  
Response via : Initial Calibration

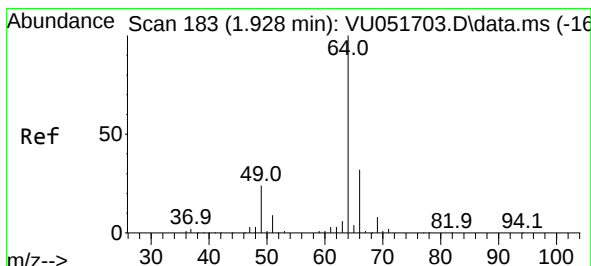
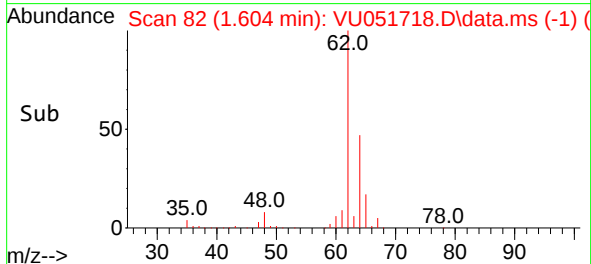
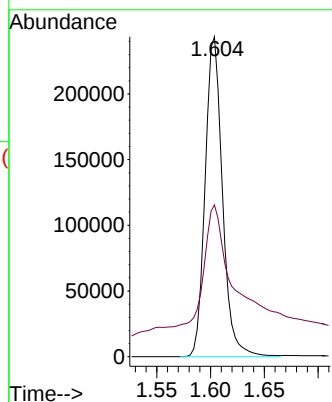
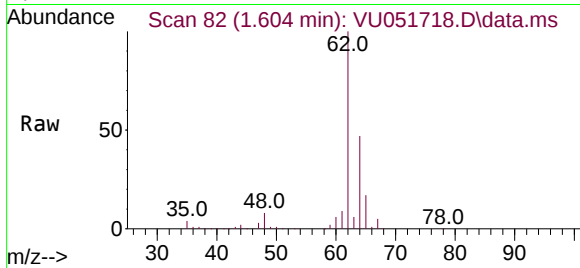




#5  
 Vinyl chloride  
 Concen: 11.557 ug/L  
 RT: 1.604 min Scan# 81  
 Delta R.T. 0.003 min  
 Lab File: VU051718.D  
 Acq: 03 Nov 2022 03:07

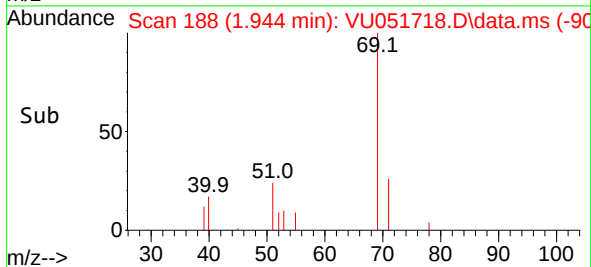
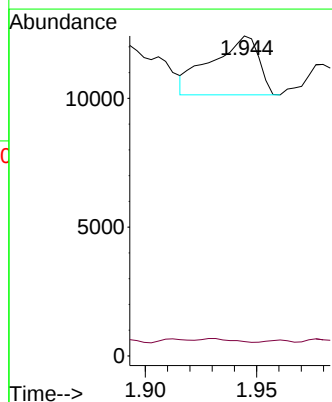
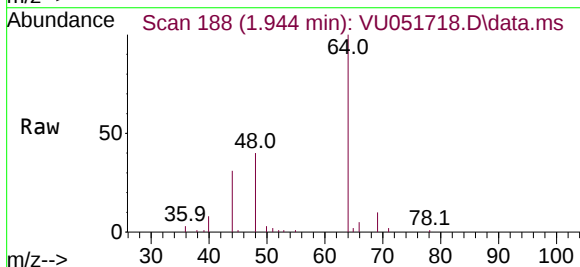
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBWRO

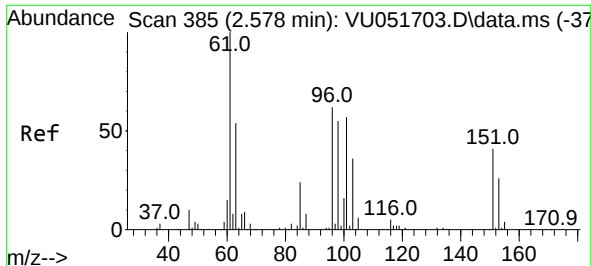
Tgt Ion: 62 Resp: 272719  
 Ion Ratio Lower Upper  
 62 100  
 64 47.4 22.1 41.1#



#8  
 Chloroethane  
 Concen: 0.235 ug/L  
 RT: 1.944 min Scan# 188  
 Delta R.T. 0.016 min  
 Lab File: VU051718.D  
 Acq: 03 Nov 2022 03:07

Tgt Ion: 64 Resp: 3364  
 Ion Ratio Lower Upper  
 64 100  
 66 4.5 22.3 41.5#

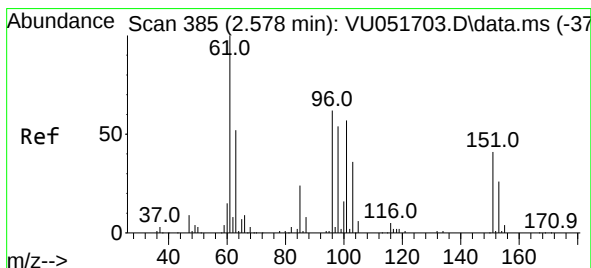
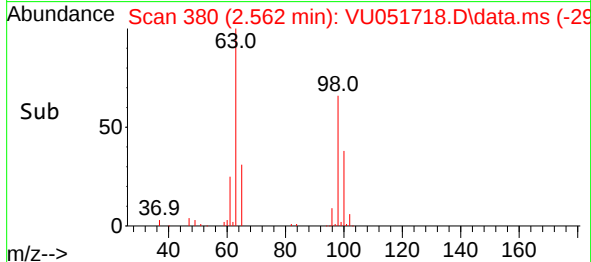
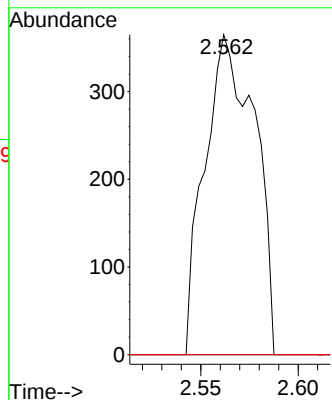
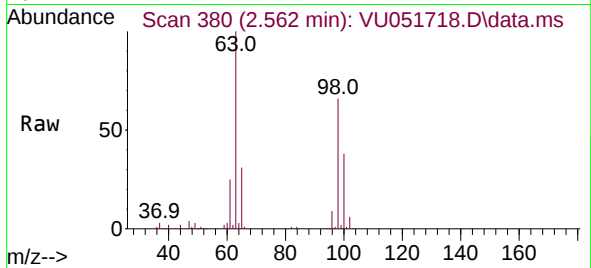




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.043 ug/L  
 RT: 2.562 min Scan# 380  
 Delta R.T. -0.016 min  
 Lab File: VU051718.D  
 Acq: 03 Nov 2022 03:07

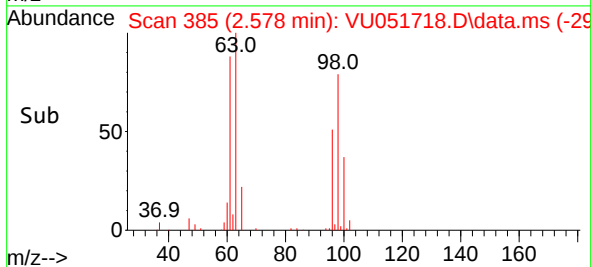
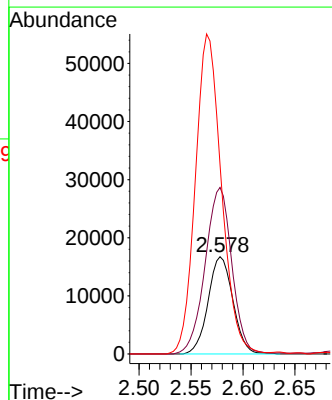
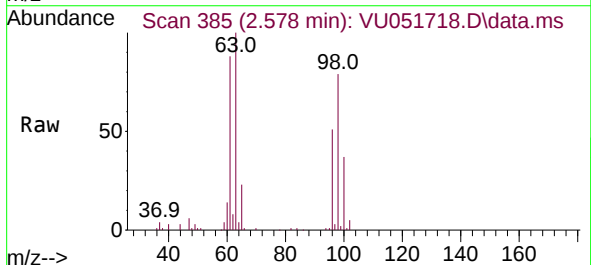
Instrument :  
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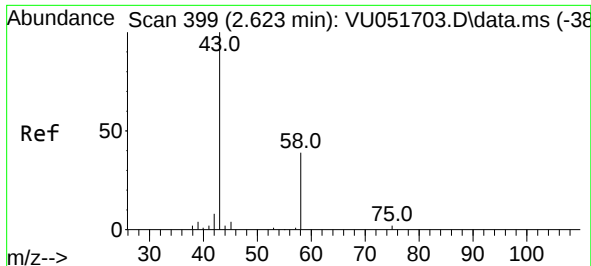
Tgt Ion:101 Resp: 652  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 35.6 53.4#  
 151 0.0 59.6 89.4#



#12  
 1,1-Dichloroethene  
 Concen: 1.786 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. -0.000 min  
 Lab File: VU051718.D  
 Acq: 03 Nov 2022 03:07

Tgt Ion: 96 Resp: 27751  
 Ion Ratio Lower Upper  
 96 100  
 61 171.3 108.8 202.0  
 63 194.7 64.9 120.5#





#13

Acetone

Concen: 3.258 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU051718.D

Acq: 03 Nov 2022 03:07

Instrument :

MSVOA\_U

ClientSampleId :

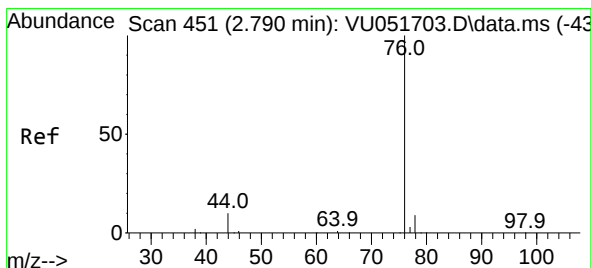
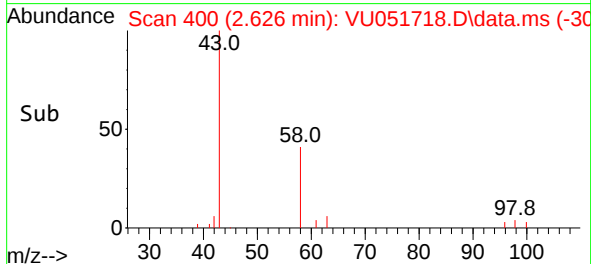
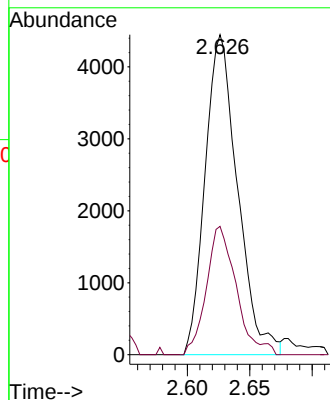
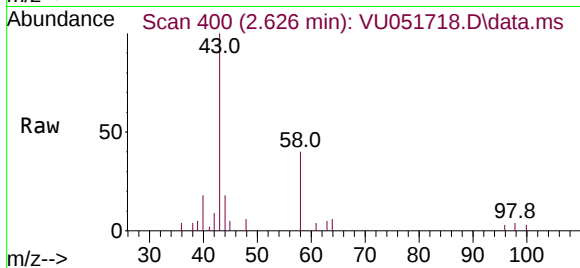
DBWRO

Tgt Ion: 43 Resp: 8057

Ion Ratio Lower Upper

43 100

58 36.8 0.0 73.8



#14

Carbon disulfide

Concen: 0.136 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051718.D

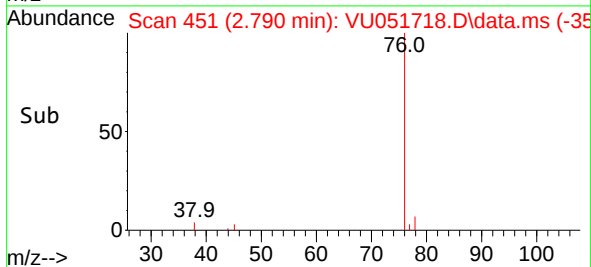
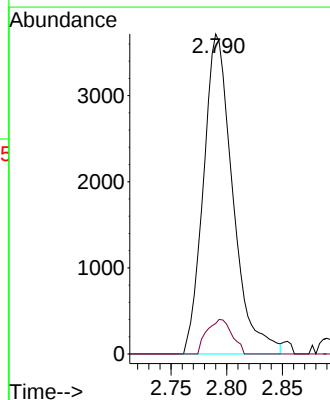
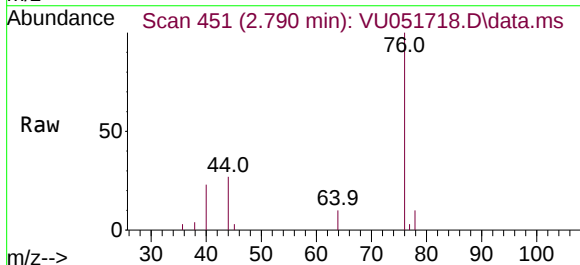
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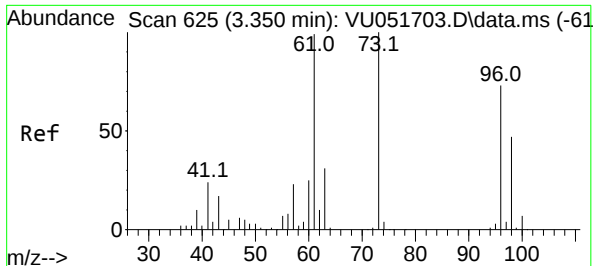
Tgt Ion: 76 Resp: 6800

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2





#18

trans-1,2-Dichloroethene

Concen: 75.225 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU051718.D

Acq: 03 Nov 2022 03:07

Instrument :

MSVOA\_U

ClientSampleId :

DBWRO

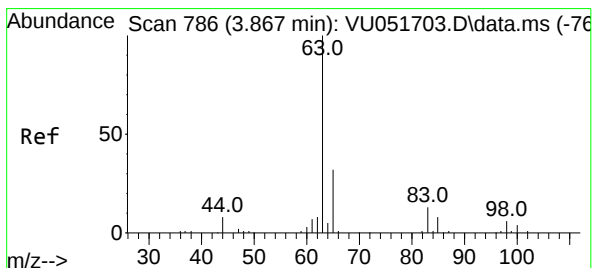
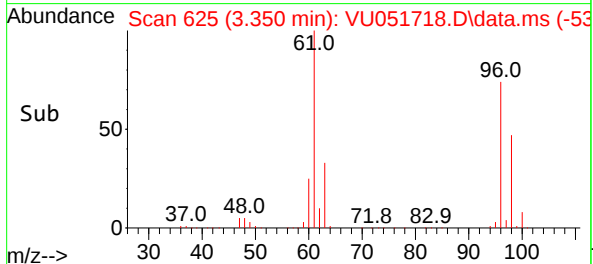
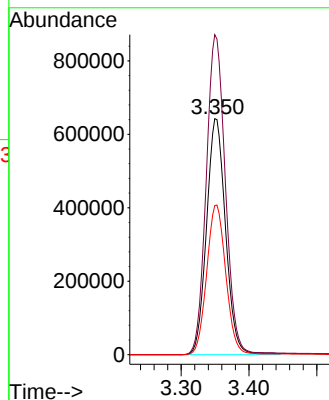
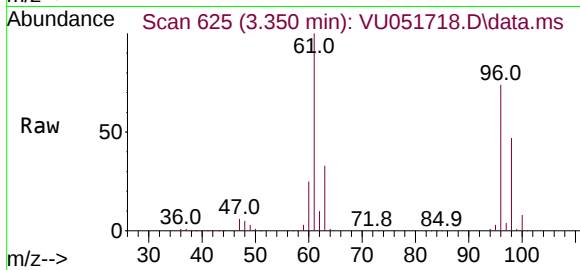
Tgt Ion: 96 Resp: 1254088

Ion Ratio Lower Upper

96 100

61 135.6 94.7 175.9

98 63.2 44.2 82.0



#19

1,1-Dichloroethane

Concen: 0.129 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.010 min

Lab File: VU051718.D

Acq: 03 Nov 2022 03:07

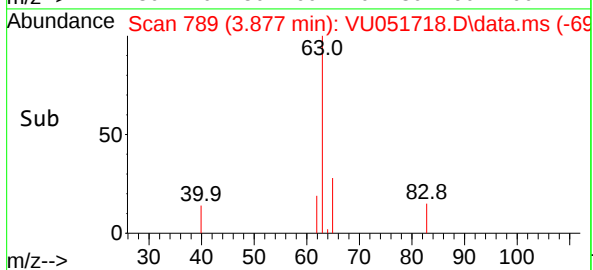
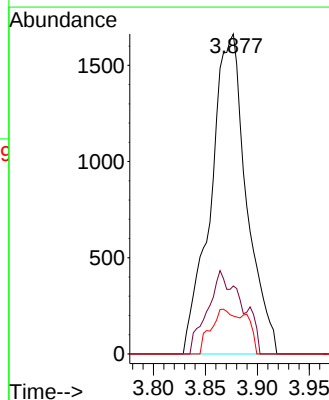
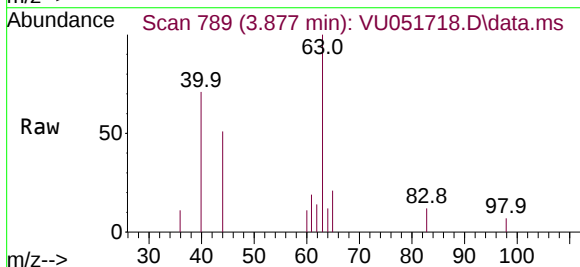
Tgt Ion: 63 Resp: 3979

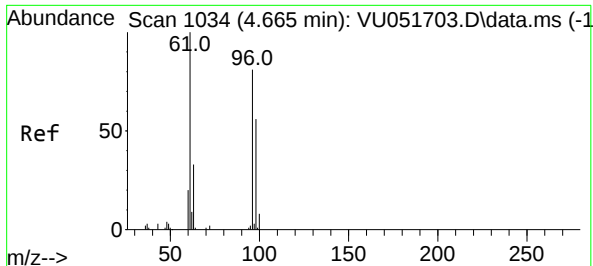
Ion Ratio Lower Upper

63 100

65 21.2 22.7 42.1#

83 11.8 9.2 17.0





#22

cis-1,2-Dichloroethene

Concen: 505.431 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051718.D

Acq: 03 Nov 2022 03:07

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ClientSampleId :

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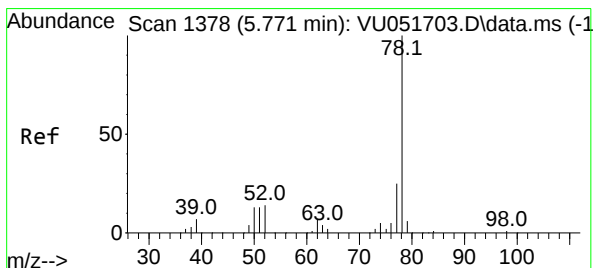
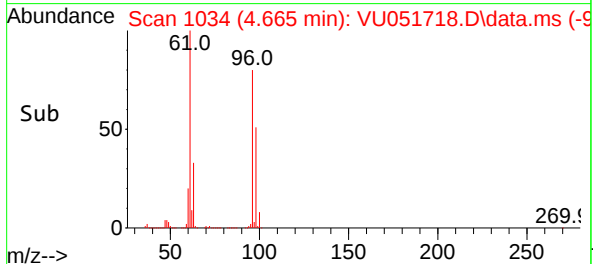
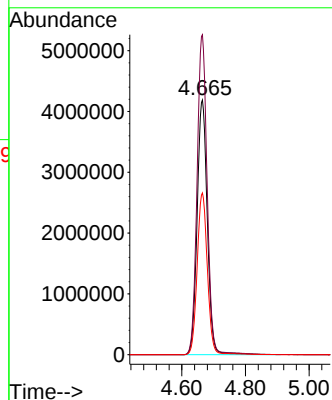
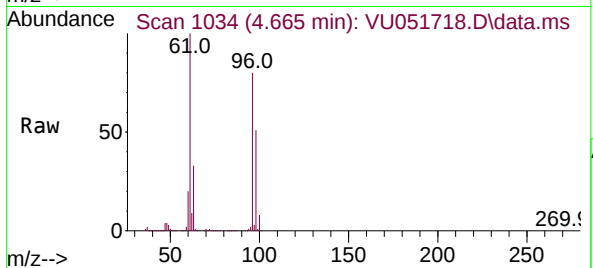
Tgt Ion: 96 Resp: 9323622

Ion Ratio Lower Upper

96 100

61 125.6 86.4 160.4

98 63.5 44.2 82.2



#33

Benzene

Concen: 0.073 ug/L

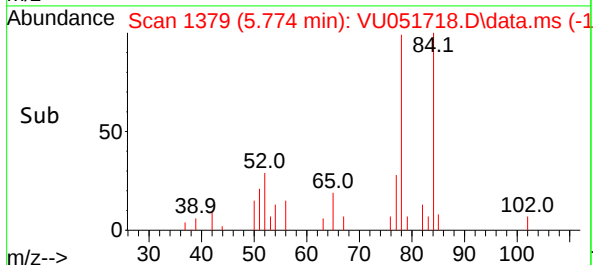
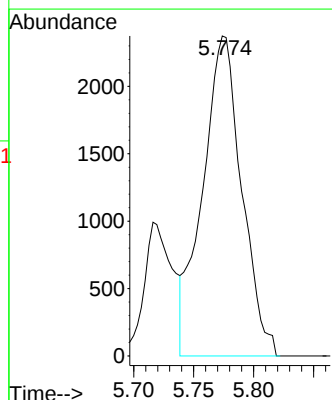
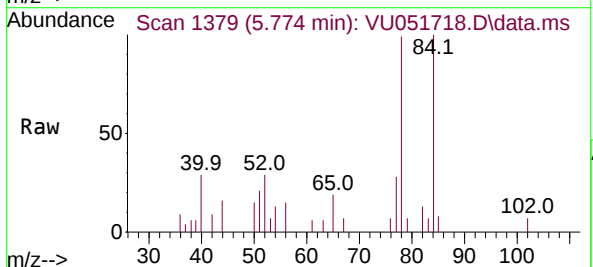
RT: 5.774 min Scan# 1379

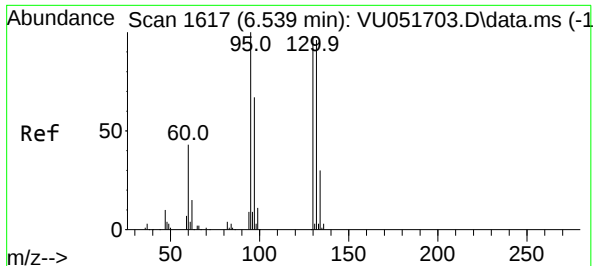
Delta R.T. 0.003 min

Lab File: VU051718.D

Acq: 03 Nov 2022 03:07

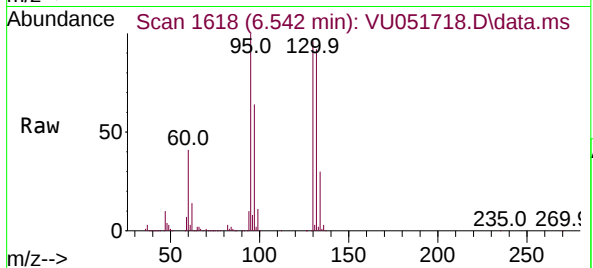
Tgt Ion: 78 Resp: 5383



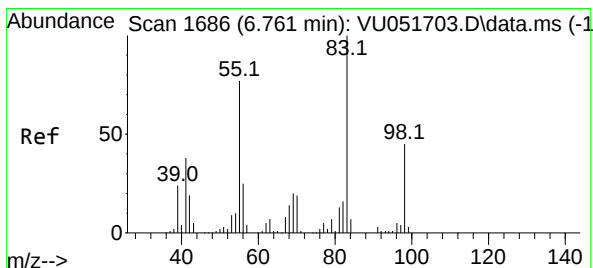
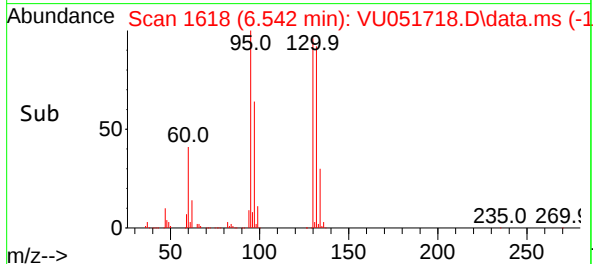
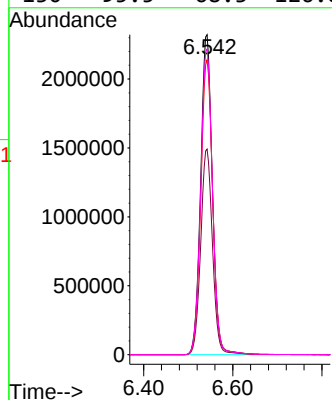


#34  
Trichloroethene  
Concen: 238.304 ug/L  
RT: 6.542 min Scan# 1617  
Delta R.T. 0.003 min  
Lab File: VU051718.D  
Acq: 03 Nov 2022 03:07

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DBWRO

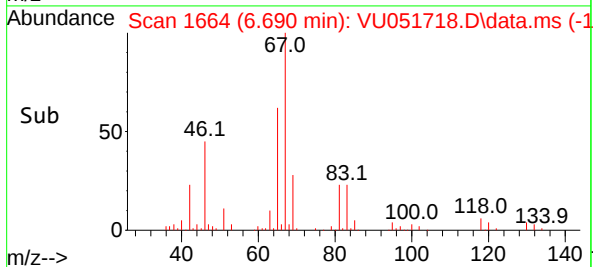
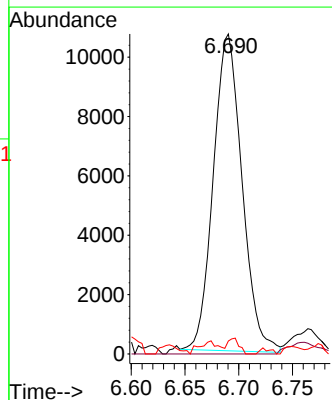
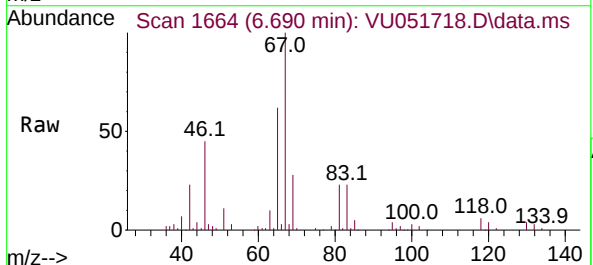


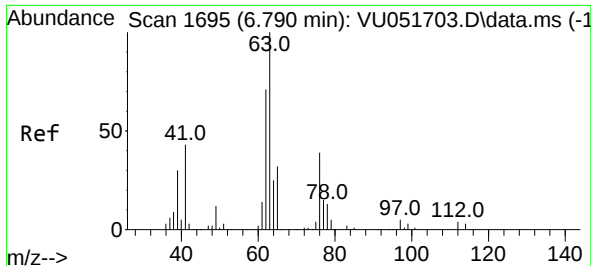
Tgt Ion: 95 Resp: 4260906  
Ion Ratio Lower Upper  
95 100  
97 64.3 45.2 84.0  
132 92.2 66.5 123.5  
130 95.5 68.3 126.8



#35  
Methylcyclohexane  
Concen: 0.802 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.071 min  
Lab File: VU051718.D  
Acq: 03 Nov 2022 03:07

Tgt Ion: 83 Resp: 19833  
Ion Ratio Lower Upper  
83 100  
55 3.8 60.6 90.8#  
98 0.0 35.8 53.6#

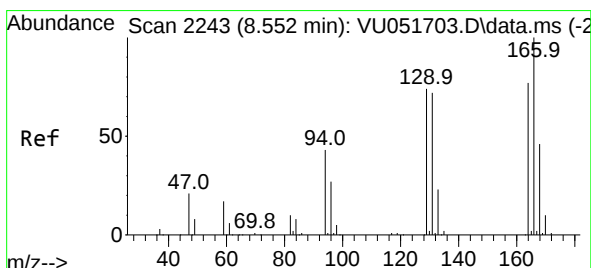
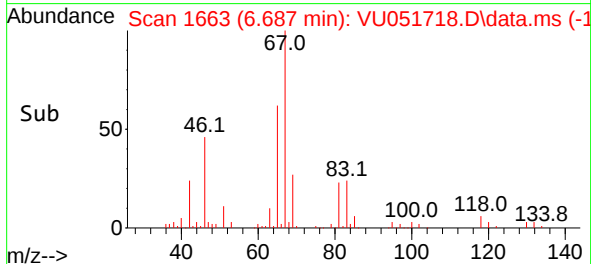
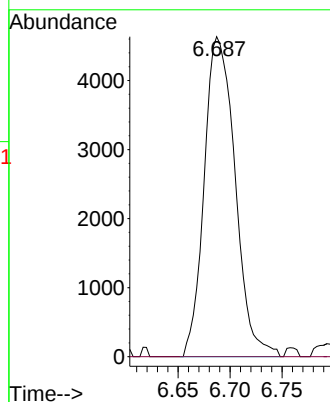
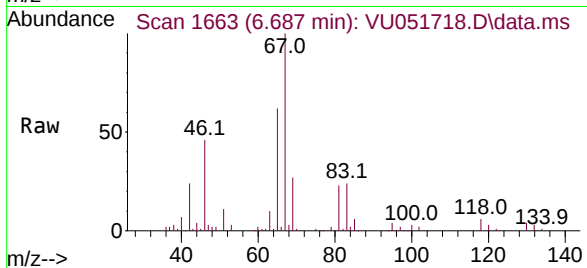




#37  
1,2-Dichloropropane  
Concen: 0.503 ug/L  
RT: 6.687 min Scan# 1  
Delta R.T. -0.103 min  
Lab File: VU051718.D  
Acq: 03 Nov 2022 03:07

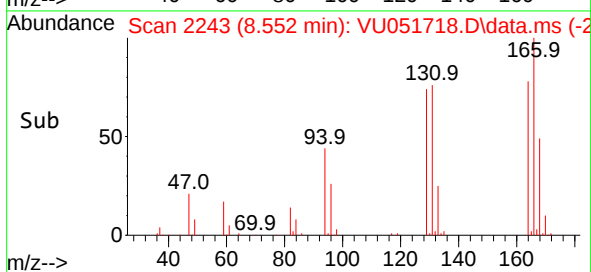
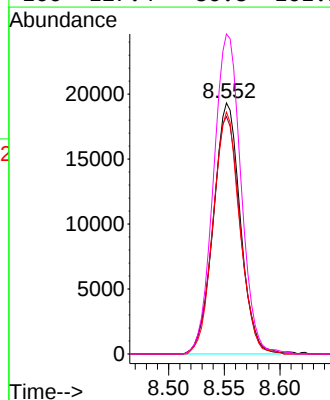
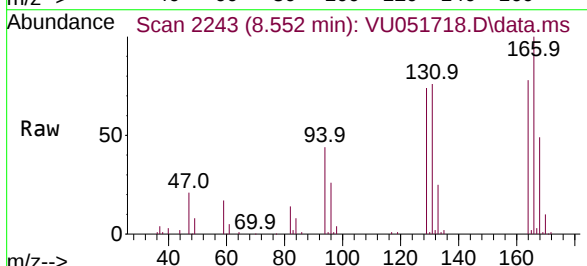
Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWRO

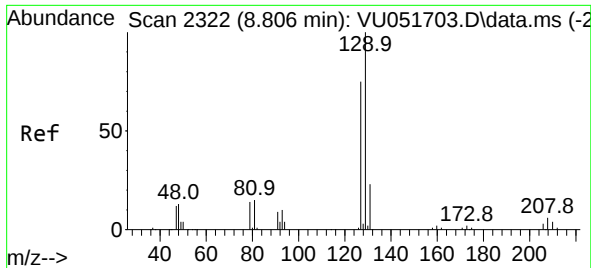
Tgt Ion: 63 Resp: 9579  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.3 4.9#



#47  
Tetrachloroethene  
Concen: 2.363 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.000 min  
Lab File: VU051718.D  
Acq: 03 Nov 2022 03:07

Tgt Ion: 164 Resp: 32364  
Ion Ratio Lower Upper  
164 100  
129 94.6 64.0 118.8  
131 96.4 60.7 112.7  
166 127.4 86.8 161.2

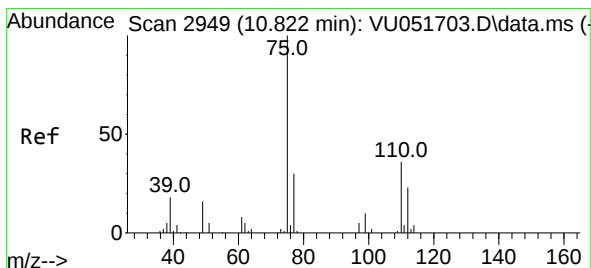
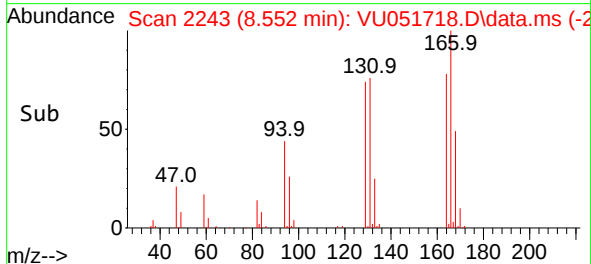
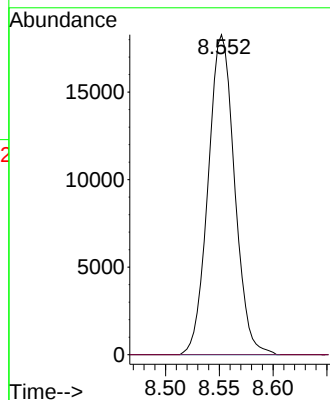
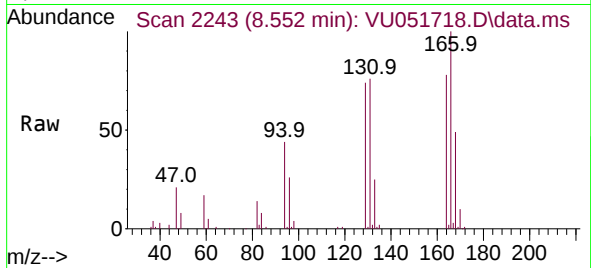




#49  
Dibromochloromethane  
Concen: 1.962 ug/L  
RT: 8.552 min Scan# 21  
Delta R.T. -0.254 min  
Lab File: VU051718.D  
Acq: 03 Nov 2022 03:07

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWRO

Tgt Ion:129 Resp: 31303  
Ion Ratio Lower Upper  
129 100  
127 0.0 54.8 101.8#



#61  
1,2,3-Trichloropropane  
Concen: 0.960 ug/L  
RT: 11.809 min Scan# 3256  
Delta R.T. 0.987 min  
Lab File: VU051718.D  
Acq: 03 Nov 2022 03:07

Tgt Ion: 75 Resp: 10360  
Ion Ratio Lower Upper  
75 100  
110 2.2 28.7 43.1#  
77 31.4 26.1 39.1

