

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU103122\  
 Data File : VU051623.D  
 Acq On : 31 Oct 2022 20:04  
 Operator : JC/MD  
 Sample : N5353-13  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBWW9

Quant Time: Nov 01 01:30:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 01 01:25:31 2022  
 Response via : Initial Calibration

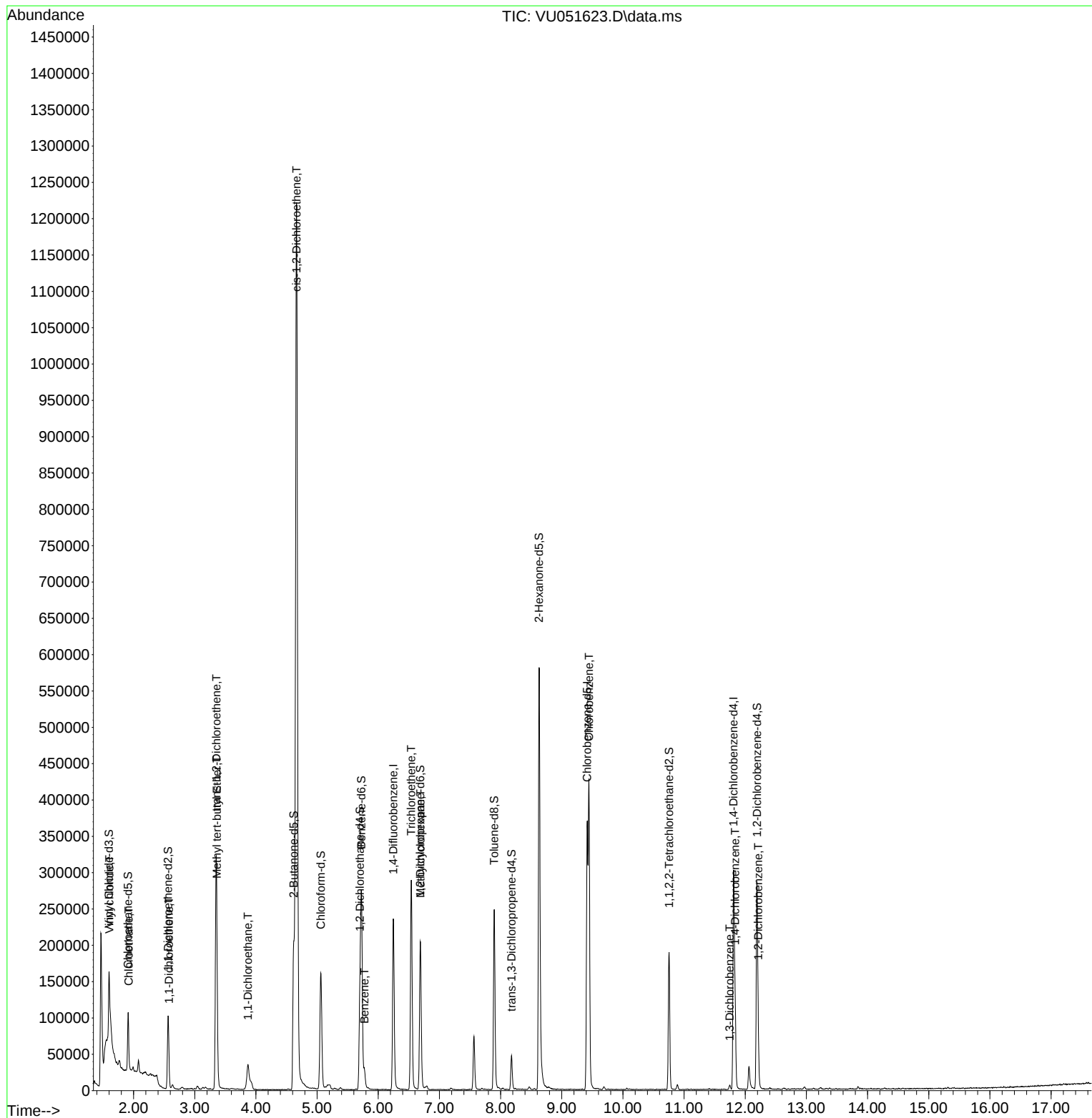
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 191933   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 205099   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 83876    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 50135    | 3.468    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 69.400%  |
| 7) Chloroethane-d5            | 1.909  | 69    | 63238    | 4.195    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 83.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 19363    | 3.691    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 73.800%  |
| 20) 2-Butanone-d5             | 4.617  | 46    | 283274   | 54.110   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 108.220% |
| 24) Chloroform-d              | 5.063  | 84    | 153799   | 4.547    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 87433    | 4.785    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.600%  |
| 32) Benzene-d6                | 5.726  | 84    | 265013   | 4.095    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 81.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 101252   | 4.474    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 89.400%  |
| 41) Toluene-d8                | 7.896  | 98    | 174908   | 3.436    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 68.800%# |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 27863    | 4.026    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 80.600%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 197071   | 47.307   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 94.620%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755 | 84    | 99212    | 4.784    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152   | 74909    | 4.866    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.400%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 5) Vinyl chloride             | 1.604  | 62    | 7058     | 0.278    | ug/L # | 1        |
| 8) Chloroethane               | 1.919  | 64    | 2176     | 0.141    | ug/L # | 50       |
| 12) 1,1-Dichloroethene        | 2.578  | 96    | 2877     | 0.172    | ug/L # | 1        |
| 17) Methyl tert-butyl Ether   | 3.363  | 73    | 10063    | 0.263    | ug/L   | 96       |
| 18) trans-1,2-Dichloroethene  | 3.353  | 96    | 137490   | 7.678    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.871  | 63    | 31502    | 0.954    | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 663813   | 33.501   | ug/L   | 98       |
| 33) Benzene                   | 5.774  | 78    | 23958    | 0.296    | ug/L   | 100      |
| 34) Trichloroethene           | 6.539  | 95    | 102740   | 5.260    | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.690  | 83    | 24326    | 0.901    | ug/L # | 19       |
| 51) Chlorobenzene             | 9.446  | 112   | 226459   | 4.329    | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146   | 2550     | 0.084    | ug/L   | 92       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146   | 47493    | 1.554    | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146   | 26861    | 0.905    | ug/L   | 96       |
| -----                         |        |       |          |          |        |          |

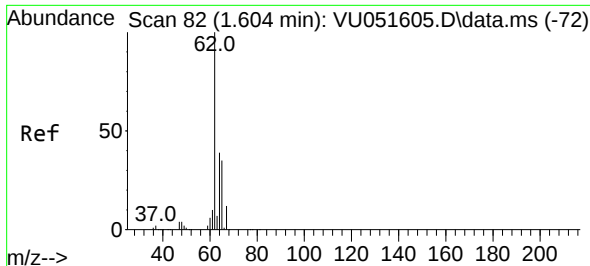
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 01 01:25:31 2022  
Response via : Initial Calibration

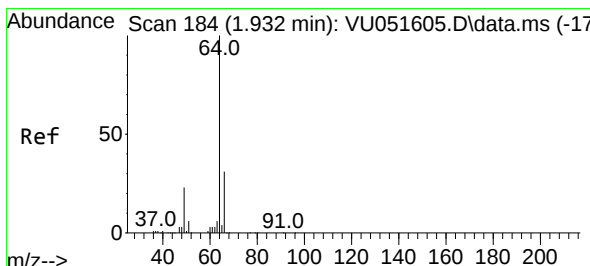
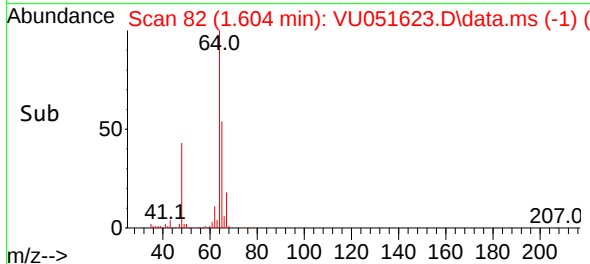
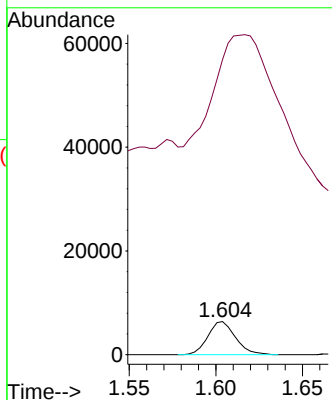
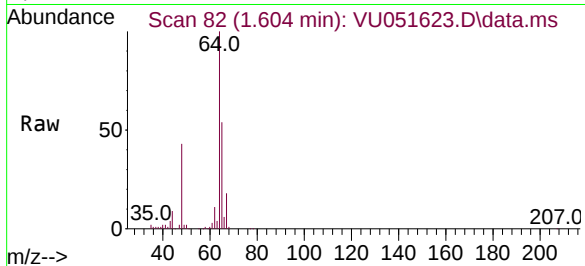




#5  
 Vinyl chloride  
 Concen: 0.278 ug/L  
 RT: 1.604 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VU051623.D  
 Acq: 31 Oct 2022 20:04

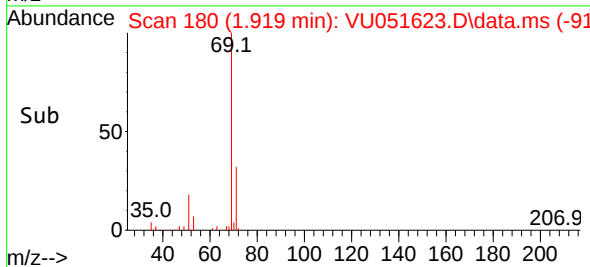
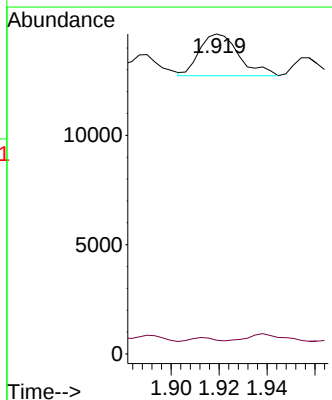
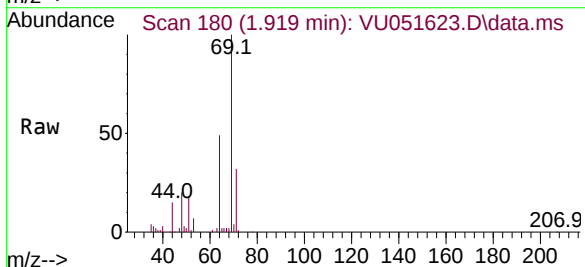
Instrument :  
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 ClientSampleId :  
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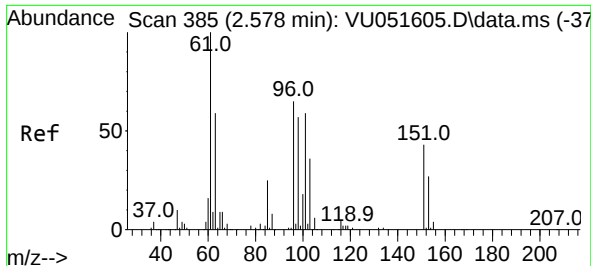
Tgt Ion: 62 Resp: 7058  
 Ion Ratio Lower Upper  
 62 100  
 64 889.3 22.1 41.1#



#8  
 Chloroethane  
 Concen: 0.141 ug/L  
 RT: 1.919 min Scan# 180  
 Delta R.T. -0.013 min  
 Lab File: VU051623.D  
 Acq: 31 Oct 2022 20:04

Tgt Ion: 64 Resp: 2176  
 Ion Ratio Lower Upper  
 64 100  
 66 4.3 22.3 41.5#

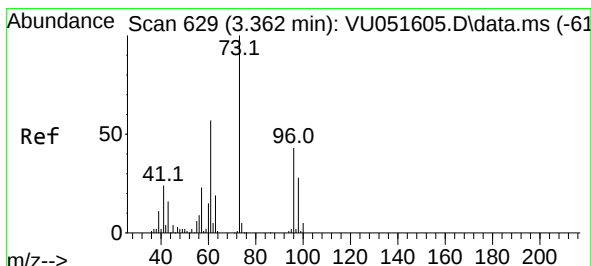
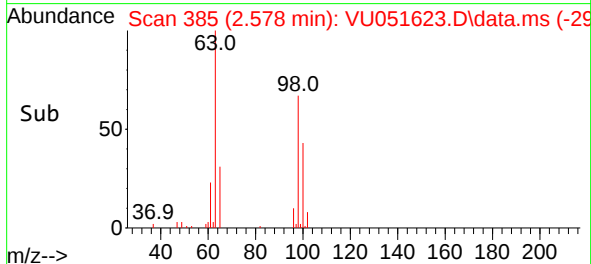
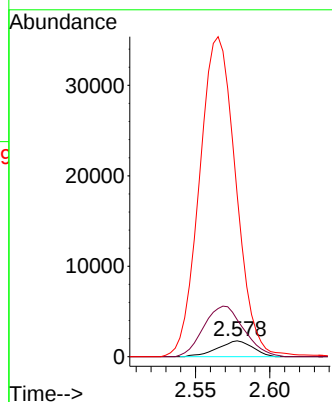
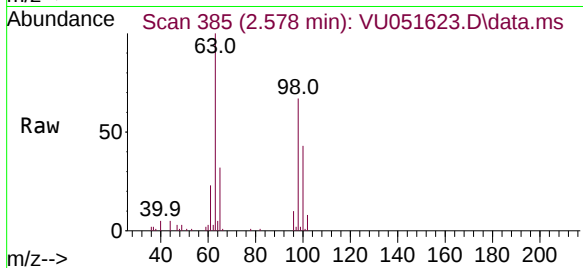




#12  
1,1-Dichloroethene  
Concen: 0.172 ug/L  
RT: 2.578 min Scan# 385  
Delta R.T. 0.000 min  
Lab File: VU051623.D  
Acq: 31 Oct 2022 20:04

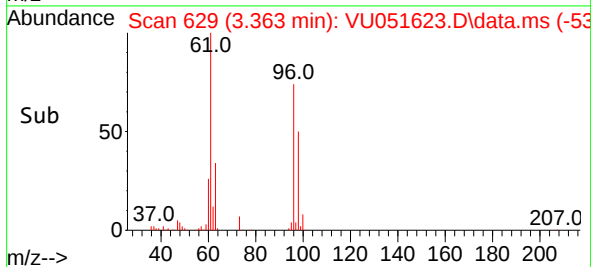
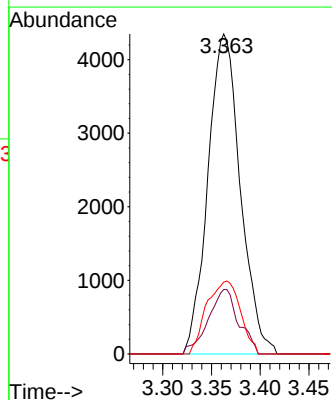
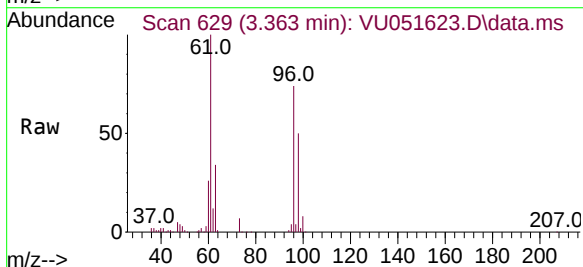
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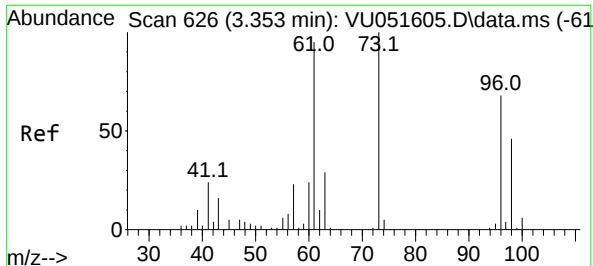
Tgt Ion: 96 Resp: 2877  
Ion Ratio Lower Upper  
96 100  
61 232.4 108.8 202.0#  
63 1018.8 64.9 120.5#



#17  
Methyl tert-butyl Ether  
Concen: 0.263 ug/L  
RT: 3.363 min Scan# 629  
Delta R.T. 0.000 min  
Lab File: VU051623.D  
Acq: 31 Oct 2022 20:04

Tgt Ion: 73 Resp: 10063  
Ion Ratio Lower Upper  
73 100  
43 19.0 13.6 20.4  
57 23.7 17.5 26.3

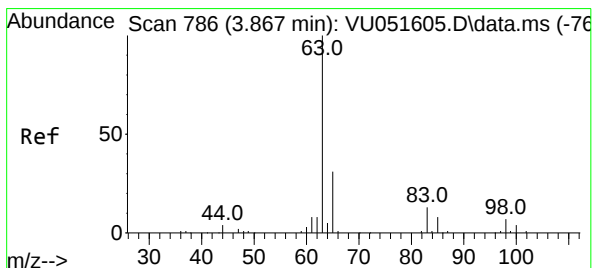
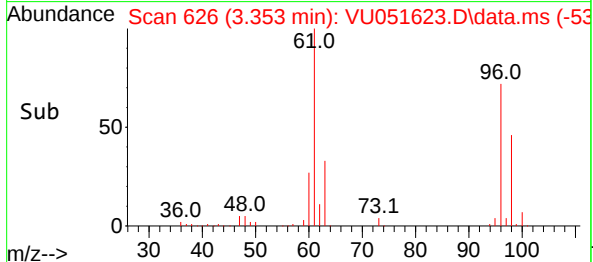
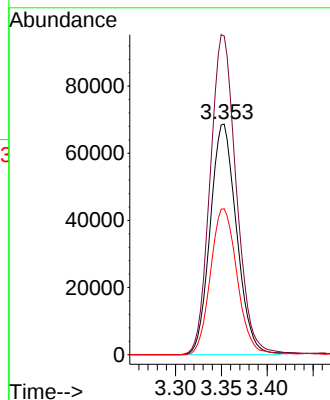
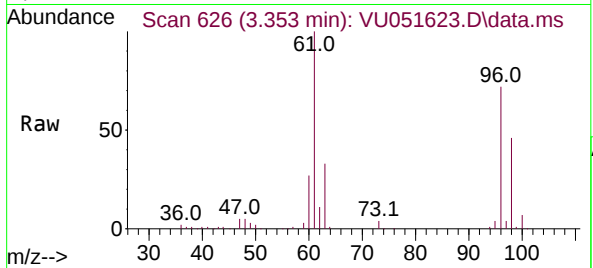




#18  
trans-1,2-Dichloroethene  
Concen: 7.678 ug/L  
RT: 3.353 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU051623.D  
Acq: 31 Oct 2022 20:04

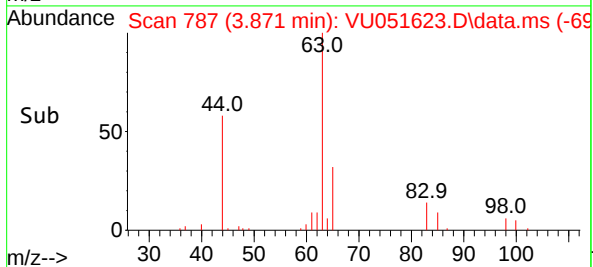
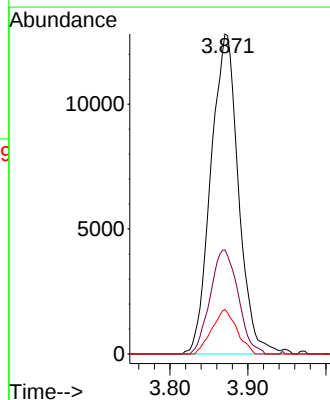
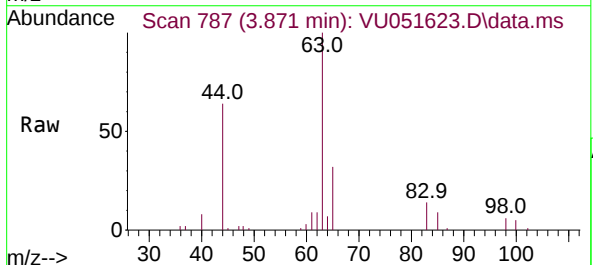
Instrument :  
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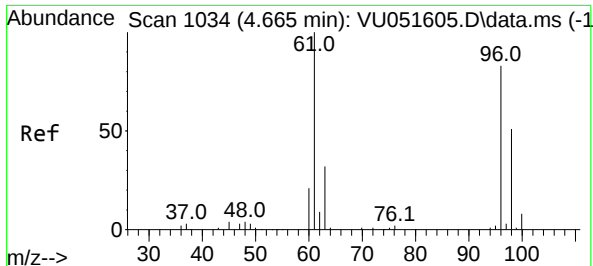
Tgt Ion: 96 Resp: 137490  
Ion Ratio Lower Upper  
96 100  
61 138.2 94.7 175.9  
98 63.3 44.2 82.0



#19  
1,1-Dichloroethane  
Concen: 0.954 ug/L  
RT: 3.871 min Scan# 787  
Delta R.T. 0.003 min  
Lab File: VU051623.D  
Acq: 31 Oct 2022 20:04

Tgt Ion: 63 Resp: 31502  
Ion Ratio Lower Upper  
63 100  
65 32.5 22.7 42.1  
83 13.9 9.2 17.0





#22

cis-1,2-Dichloroethene

Concen: 33.501 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051623.D

Acq: 31 Oct 2022 20:04

Instrument :

MSVOA\_U

ClientSampleId :

DBWW9

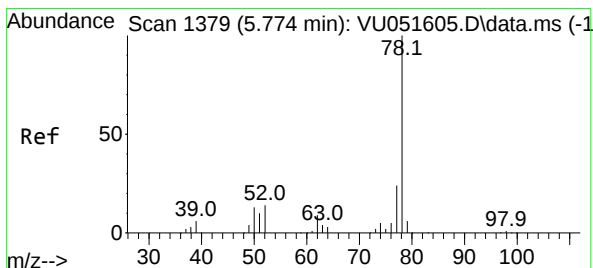
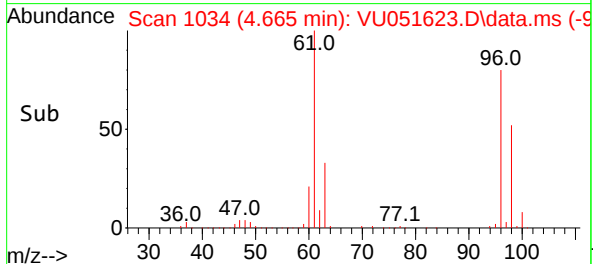
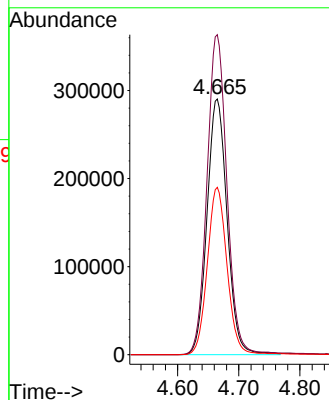
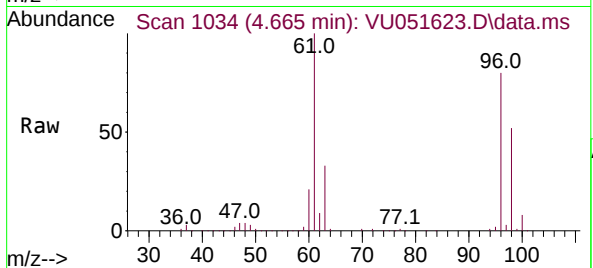
Tgt Ion: 96 Resp: 663813

Ion Ratio Lower Upper

96 100

61 125.1 86.4 160.4

98 65.4 44.2 82.2



#33

Benzene

Concen: 0.296 ug/L

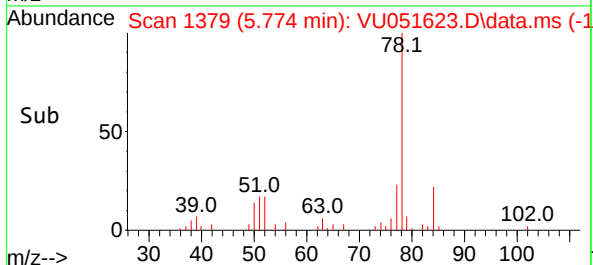
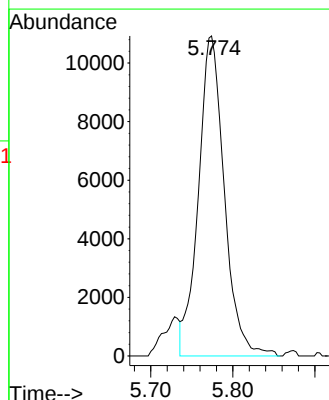
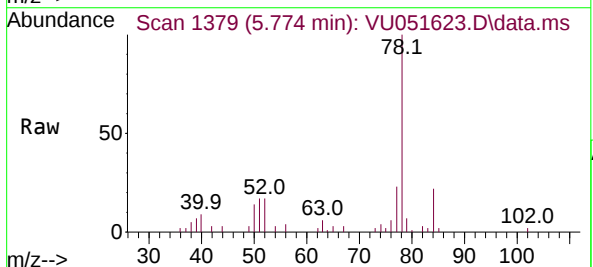
RT: 5.774 min Scan# 1379

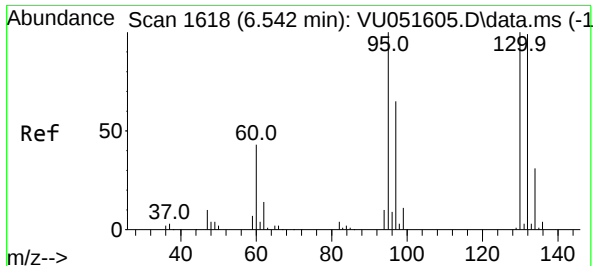
Delta R.T. 0.000 min

Lab File: VU051623.D

Acq: 31 Oct 2022 20:04

Tgt Ion: 78 Resp: 23958

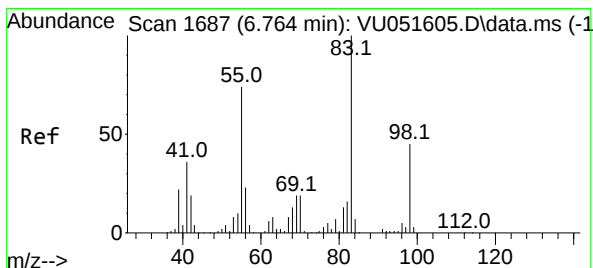
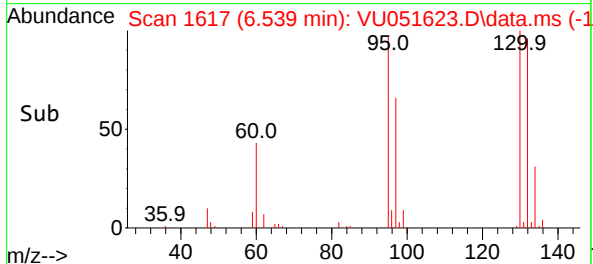
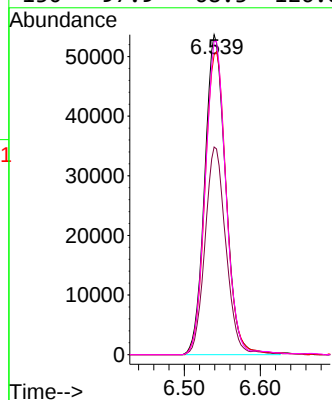
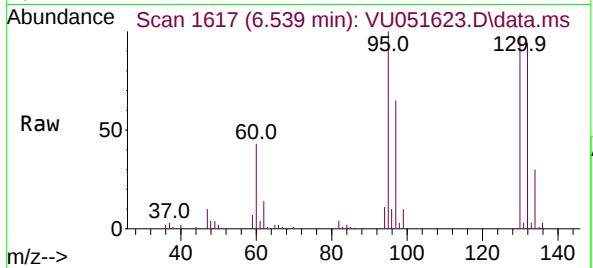




#34  
Trichloroethene  
Concen: 5.260 ug/L  
RT: 6.539 min Scan# 1664  
Delta R.T. -0.003 min  
Lab File: VU051623.D  
Acq: 31 Oct 2022 20:04

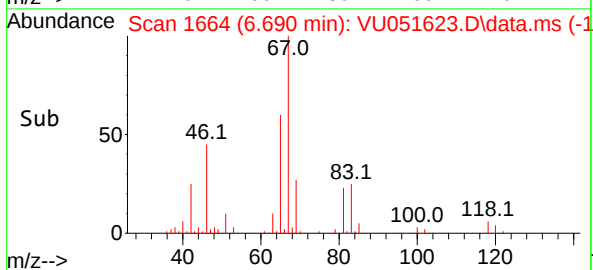
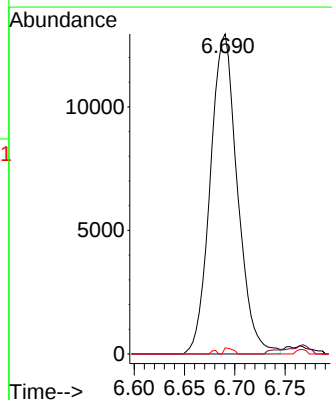
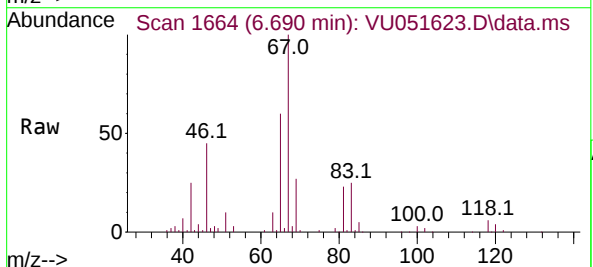
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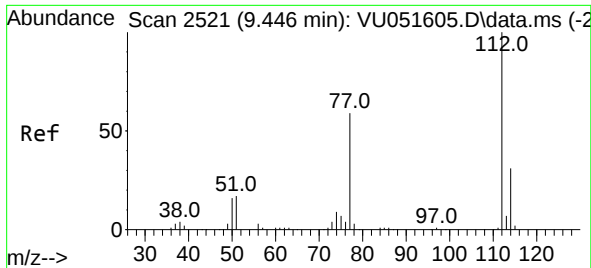
Tgt Ion: 95 Resp: 102740  
Ion Ratio Lower Upper  
95 100  
97 64.9 45.2 84.0  
132 93.7 66.5 123.5  
130 97.9 68.3 126.8



#35  
Methylcyclohexane  
Concen: 0.901 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.074 min  
Lab File: VU051623.D  
Acq: 31 Oct 2022 20:04

Tgt Ion: 83 Resp: 24326  
Ion Ratio Lower Upper  
83 100  
55 0.0 60.6 90.8#  
98 0.6 35.8 53.6#

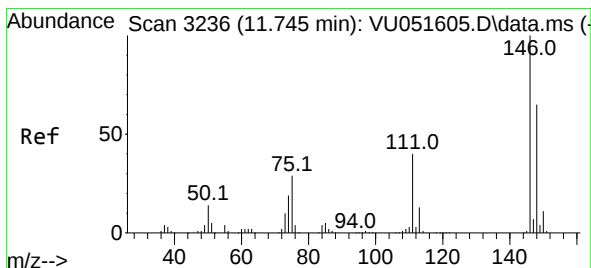
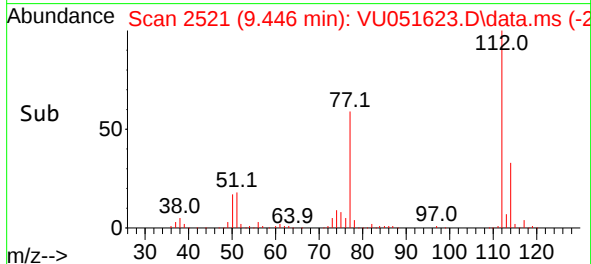
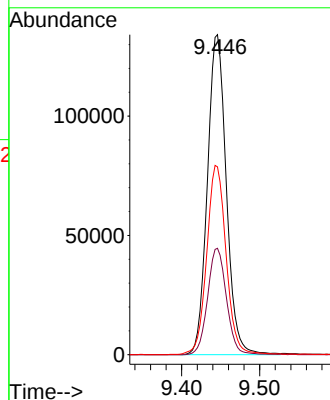
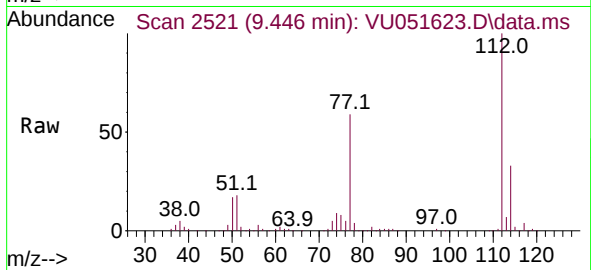




#51  
Chlorobenzene  
Concen: 4.329 ug/L  
RT: 9.446 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU051623.D  
Acq: 31 Oct 2022 20:04

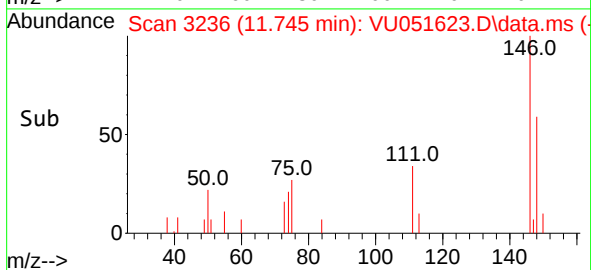
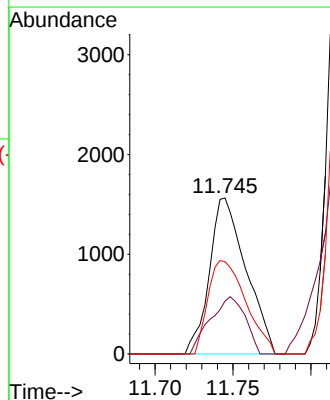
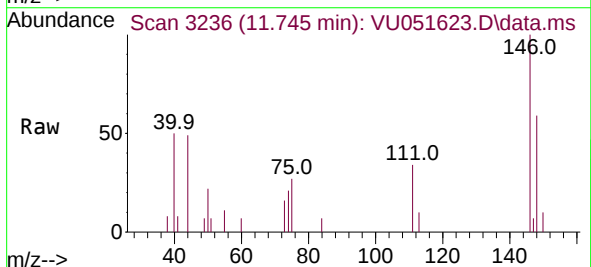
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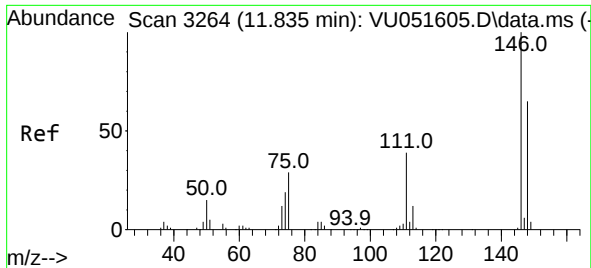
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Ion Ratio Lower Upper  
112 100  
114 33.3 22.0 40.8  
77 58.7 46.7 70.1



#64  
1,3-Dichlorobenzene  
Concen: 0.084 ug/L  
RT: 11.745 min Scan# 3236  
Delta R.T. 0.000 min  
Lab File: VU051623.D  
Acq: 31 Oct 2022 20:04

Tgt Ion:146 Resp: 2550  
Ion Ratio Lower Upper  
146 100  
111 33.9 28.6 53.2  
148 59.2 44.7 82.9

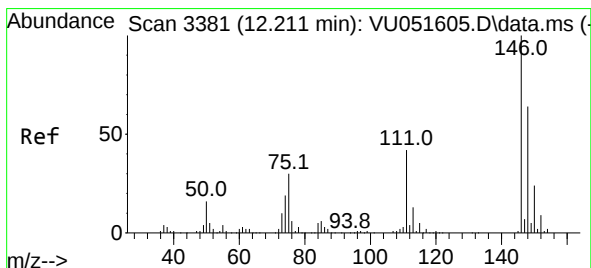
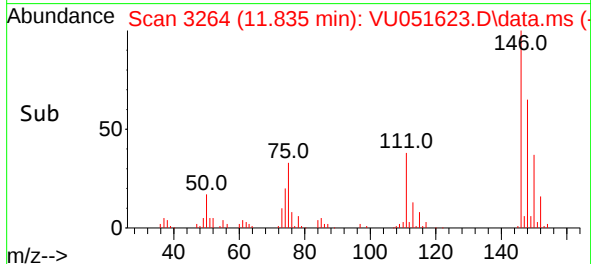
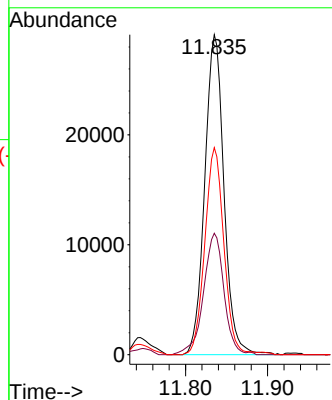
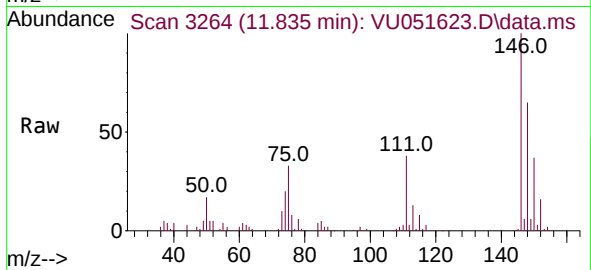




#65  
1,4-Dichlorobenzene  
Concen: 1.554 ug/L  
RT: 11.835 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU051623.D  
Acq: 31 Oct 2022 20:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBWW9

Tgt Ion:146 Resp: 47493  
Ion Ratio Lower Upper  
146 100  
111 37.9 26.7 49.5  
148 64.7 43.5 80.9



#67  
1,2-Dichlorobenzene  
Concen: 0.905 ug/L  
RT: 12.211 min Scan# 3381  
Delta R.T. 0.000 min  
Lab File: VU051623.D  
Acq: 31 Oct 2022 20:04

Tgt Ion:146 Resp: 26861  
Ion Ratio Lower Upper  
146 100  
111 40.8 34.2 51.2  
148 66.9 50.1 75.1

