

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102622\  
 Data File : VU051522.D  
 Acq On : 27 Oct 2022 00:00  
 Operator : JC/MD  
 Sample : N5300-08  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHAC4

Quant Time: Oct 27 08:25:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 27 08:11:03 2022  
 Response via : Initial Calibration

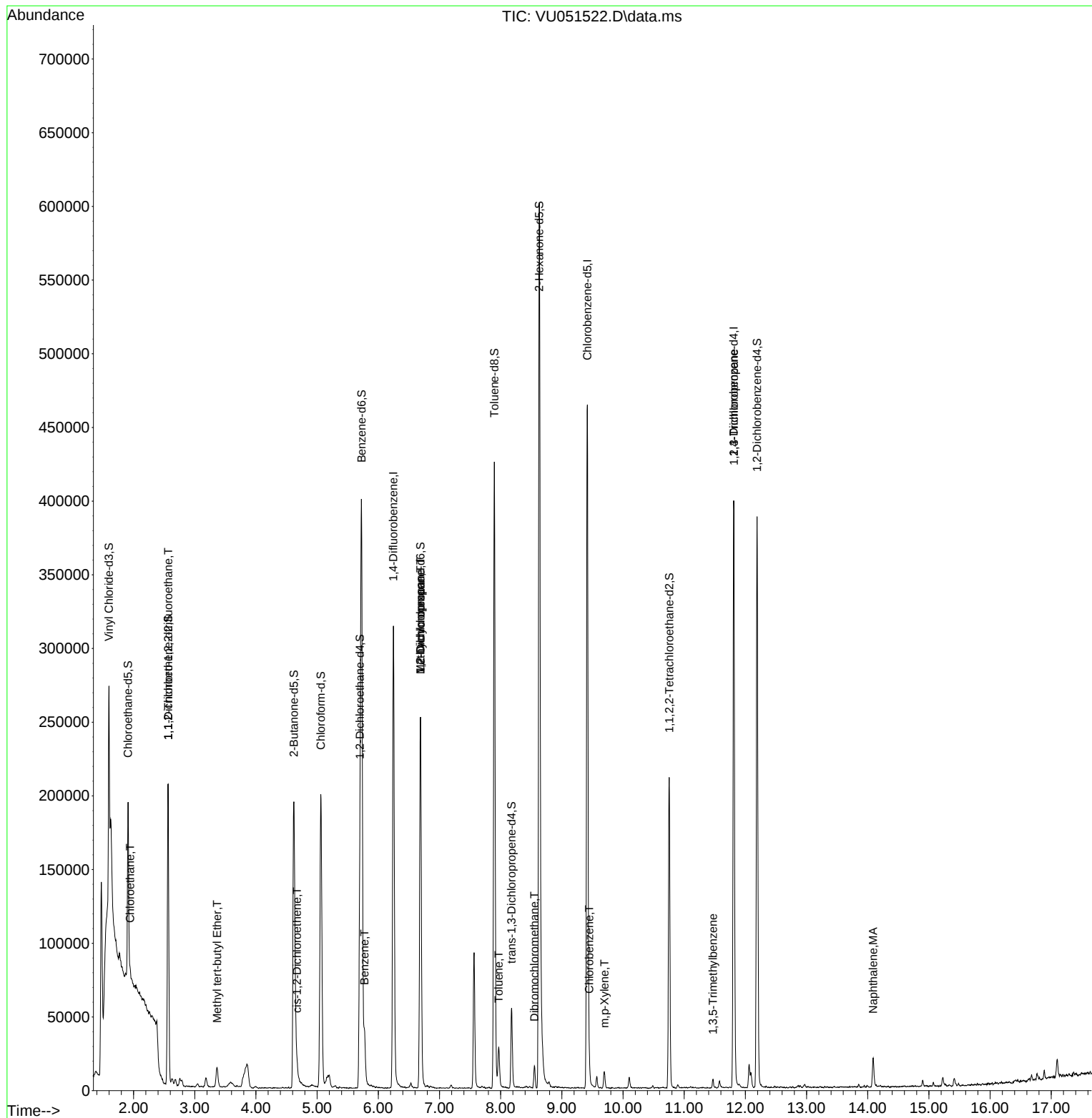
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 256472   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 266455   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 109990   | 5.000    | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 103846   | 5.020    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 100.400%  |
| 7) Chloroethane-d5            | 1.909  | 69    | 93768    | 5.275    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 105.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 39334    | 4.810    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 96.200%   |
| 20) 2-Butanone-d5             | 4.620  | 46    | 282947   | 62.120   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 124.240%  |
| 24) Chloroform-d              | 5.060  | 84    | 189315   | 4.908    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.200%   |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 102676   | 5.162    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 103.200%  |
| 32) Benzene-d6                | 5.726  | 84    | 381646   | 5.207    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 104.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 127071   | 5.104    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 102.000%  |
| 41) Toluene-d8                | 7.896  | 98    | 300355   | 4.580    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.600%   |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 32643    | 3.991    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 79.800%   |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 202121   | 73.325   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 146.660%# |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755 | 84    | 109169   | 5.490    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 109.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152   | 105220   | 5.504    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 110.000%  |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 8) Chloroethane               | 1.945  | 64    | 2831     | 0.154    | ug/L # | 52        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.565  | 101   | 1255     | 0.063    | ug/L # | 21        |
| 17) Methyl tert-butyl Ether   | 3.366  | 73    | 14174    | 0.331    | ug/L   | 98        |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96    | 2191     | 0.101    | ug/L   | 97        |
| 33) Benzene                   | 5.774  | 78    | 33364    | 0.375    | ug/L   | 100       |
| 35) Methylcyclohexane         | 6.687  | 83    | 28980    | 1.035    | ug/L # | 17        |
| 37) 1,2-Dichloropropane       | 6.690  | 63    | 12829    | 0.526    | ug/L # | 88        |
| 42) Toluene                   | 7.967  | 91    | 19941    | 0.211    | ug/L   | 95        |
| 49) Dibromochloromethane      | 8.552  | 129   | 3403     | 0.177    | ug/L # | 11        |
| 51) Chlorobenzene             | 9.446  | 112   | 6373     | 0.113    | ug/L   | 91        |
| 53) m,p-Xylene                | 9.697  | 106   | 3362     | 0.102    | ug/L   | 94        |
| 61) 1,2,3-Trichloropropane    | 11.812 | 75    | 12952    | 0.933    | ug/L # | 72        |
| 62) 1,3,5-Trimethylbenzene    | 11.472 | 105   | 3578     | 0.194    | ug/L   | 92        |
| 71) Naphthalene               | 14.089 | 128   | 19271    | 0.614    | ug/L   | 99        |
| -----                         |        |       |          |          |        |           |

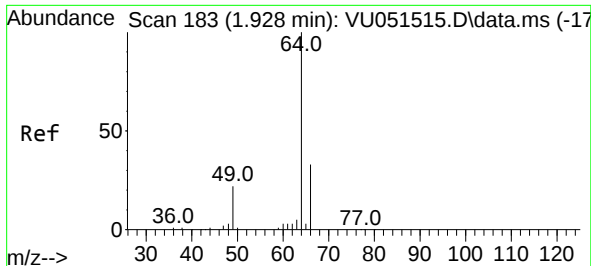
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102622\  
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Sample : N5300-08  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Quant Time: Oct 27 08:25:20 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Oct 27 08:11:03 2022  
Response via : Initial Calibration

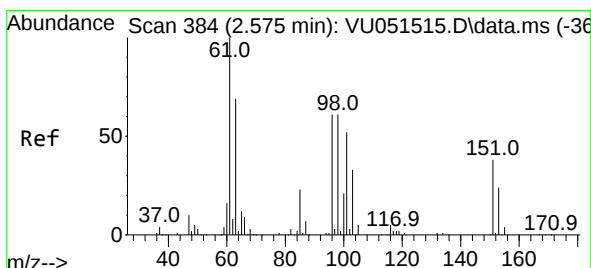
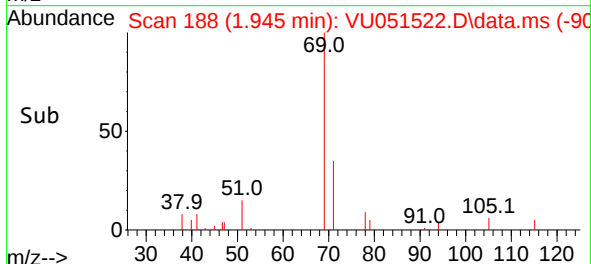
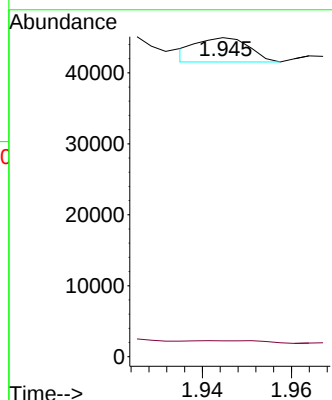
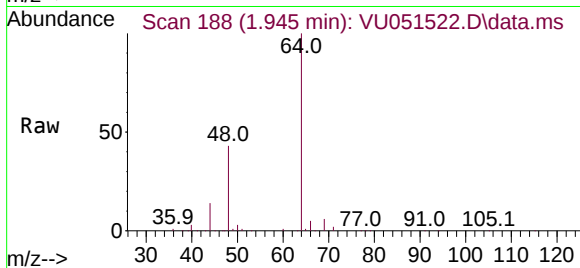




#8  
Chloroethane  
Concen: 0.154 ug/L  
RT: 1.945 min Scan# 11  
Delta R.T. 0.016 min  
Lab File: VU051522.D  
Acq: 27 Oct 2022 00:00

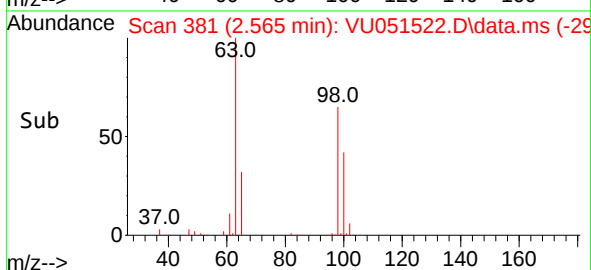
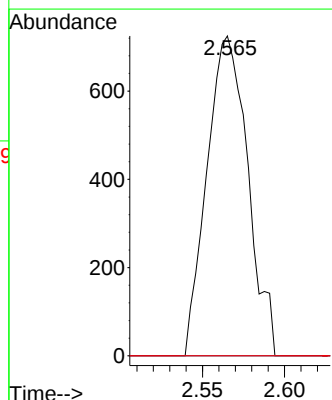
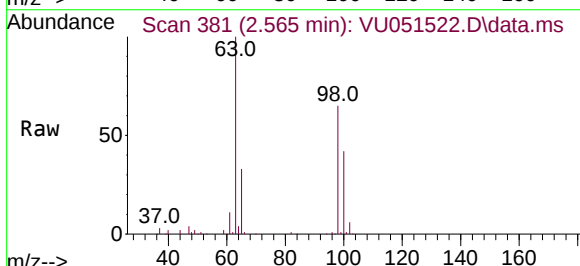
Instrument :  
MSVOA\_U  
ClientSampleId :  
BHAC4

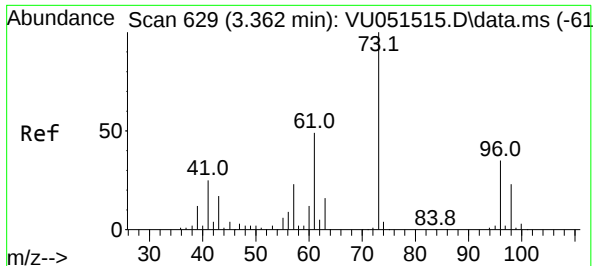
Tgt Ion: 64 Resp: 2831  
Ion Ratio Lower Upper  
64 100  
66 5.0 22.3 41.3#



#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.063 ug/L  
RT: 2.565 min Scan# 381  
Delta R.T. -0.010 min  
Lab File: VU051522.D  
Acq: 27 Oct 2022 00:00

Tgt Ion:101 Resp: 1255  
Ion Ratio Lower Upper  
101 100  
85 0.0 34.6 51.8#  
151 0.0 56.5 84.7#

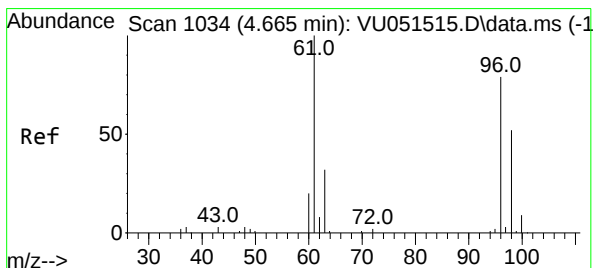
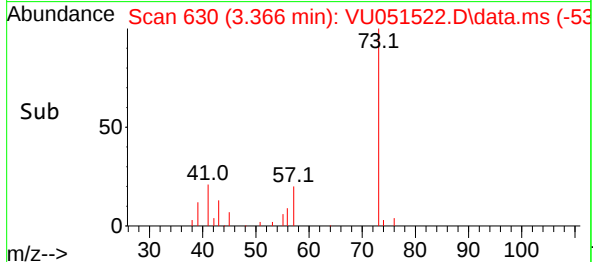
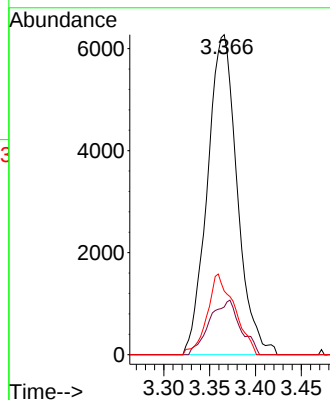
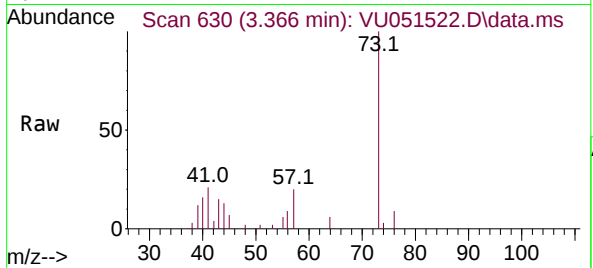




#17  
Methyl tert-butyl Ether  
Concen: 0.331 ug/L  
RT: 3.366 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VU051522.D  
Acq: 27 Oct 2022 00:00

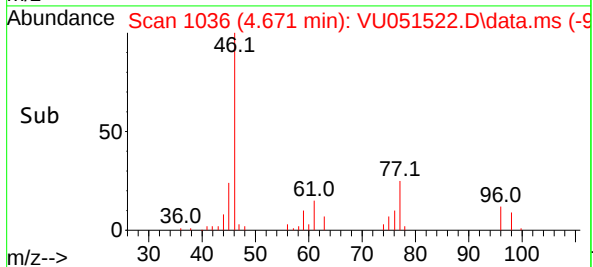
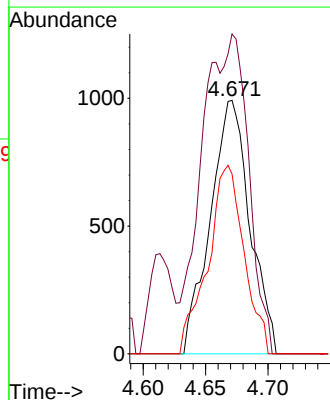
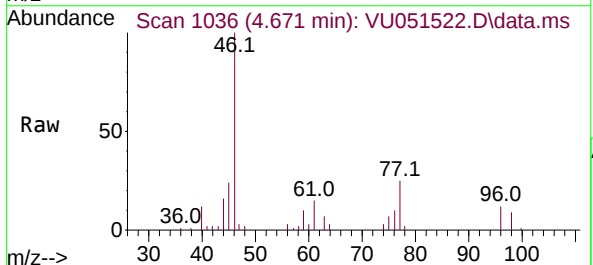
Instrument :  
MSVOA\_U  
ClientSampleId :  
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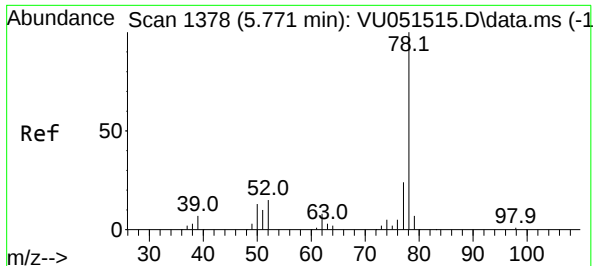
Tgt Ion: 73 Resp: 14174  
Ion Ratio Lower Upper  
73 100  
43 17.6 15.4 23.0  
57 23.1 18.9 28.3



#22  
cis-1,2-Dichloroethene  
Concen: 0.101 ug/L  
RT: 4.671 min Scan# 1036  
Delta R.T. 0.006 min  
Lab File: VU051522.D  
Acq: 27 Oct 2022 00:00

Tgt Ion: 96 Resp: 2191  
Ion Ratio Lower Upper  
96 100  
61 126.2 90.6 168.2  
98 71.0 47.5 88.3

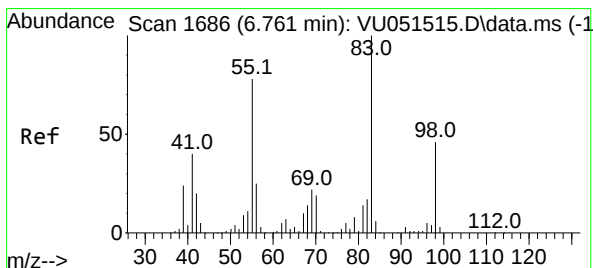
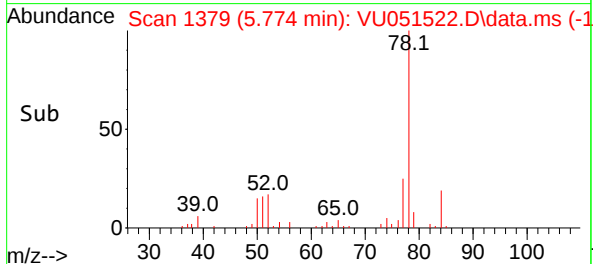
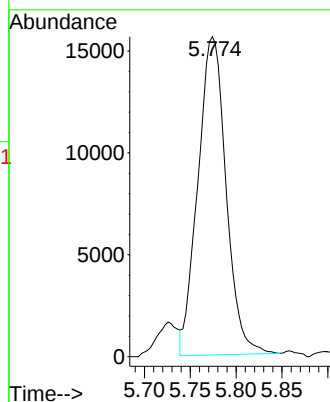
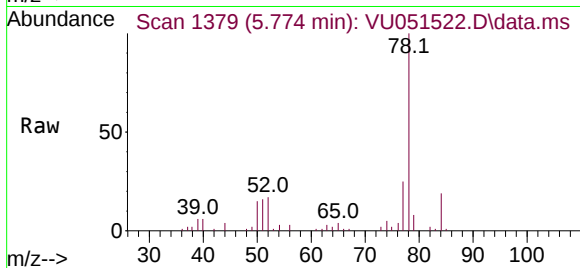




#33  
Benzene  
Concen: 0.375 ug/L  
RT: 5.774 min Scan# 1378  
Delta R.T. 0.003 min  
Lab File: VU051522.D  
Acq: 27 Oct 2022 00:00

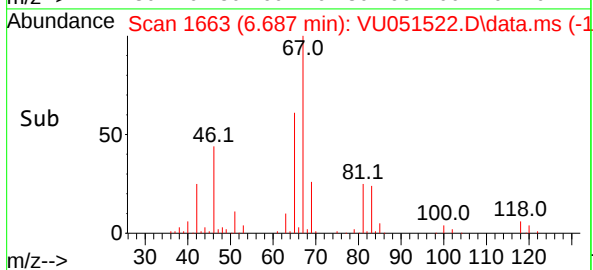
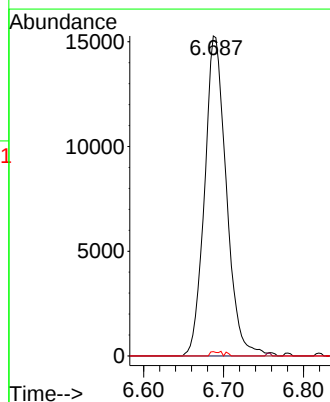
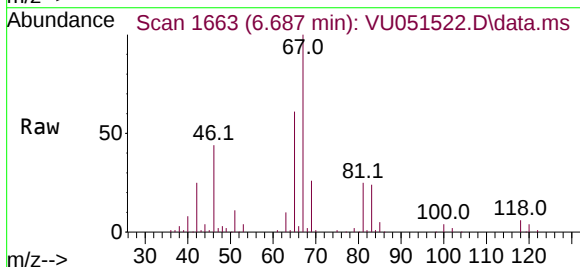
Instrument :  
MSVOA\_U  
ClientSampleId :  
BHAC4

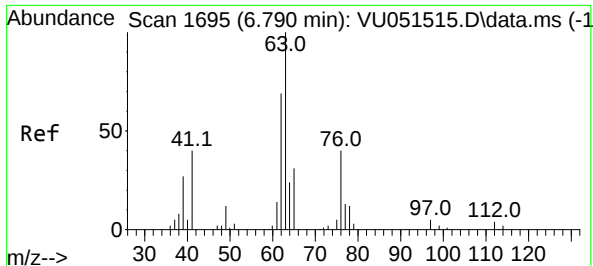
Tgt Ion: 78 Resp: 33364



#35  
Methylcyclohexane  
Concen: 1.035 ug/L  
RT: 6.687 min Scan# 1663  
Delta R.T. -0.074 min  
Lab File: VU051522.D  
Acq: 27 Oct 2022 00:00

Tgt Ion: 83 Resp: 28980  
Ion Ratio Lower Upper  
83 100  
55 0.0 65.8 98.6#  
98 0.6 35.9 53.9#





#37

1,2-Dichloropropane

Concen: 0.526 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU051522.D

Acq: 27 Oct 2022 00:00

Instrument :

MSVOA\_U

ClientSampleId :

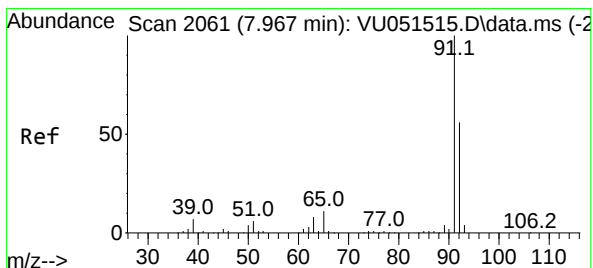
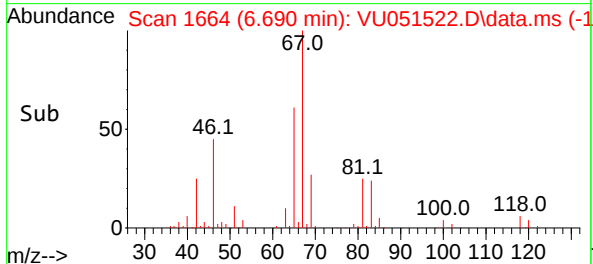
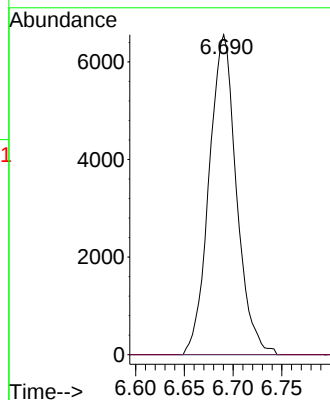
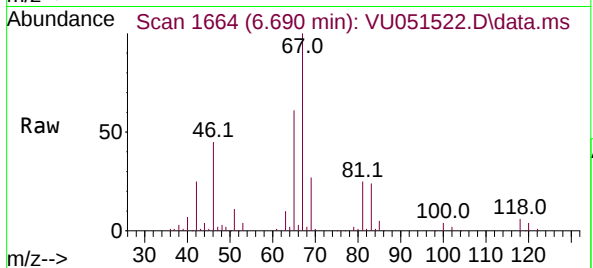
BHAC4

Tgt Ion: 63 Resp: 12829

Ion Ratio Lower Upper

63 100

112 0.2 3.2 4.8#



#42

Toluene

Concen: 0.211 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051522.D

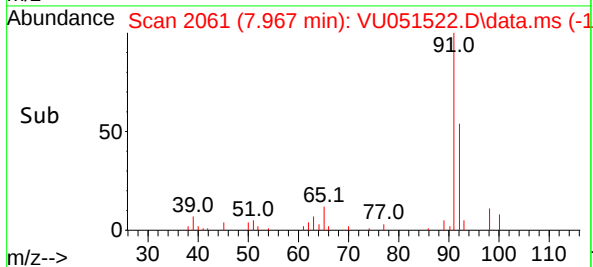
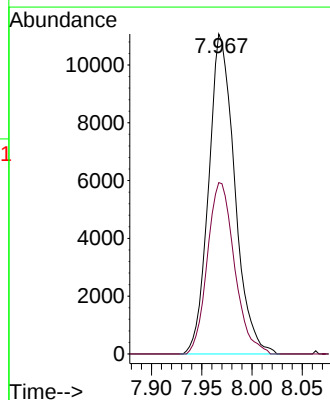
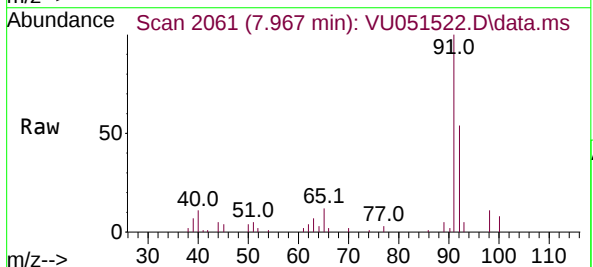
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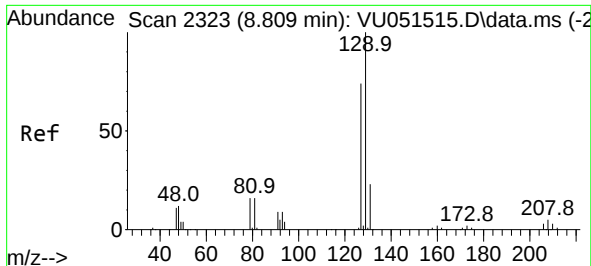
Tgt Ion: 91 Resp: 19941

Ion Ratio Lower Upper

91 100

92 53.5 39.9 74.1





#49

Dibromochloromethane

Concen: 0.177 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU051522.D

Acq: 27 Oct 2022 00:00

Instrument :

MSVOA\_U

ClientSampleId :

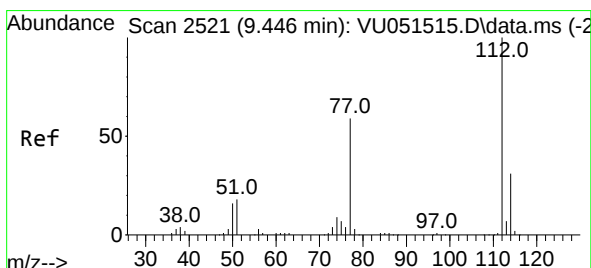
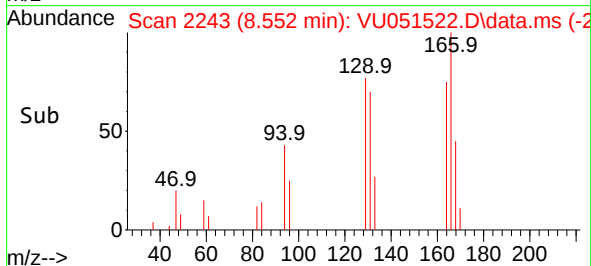
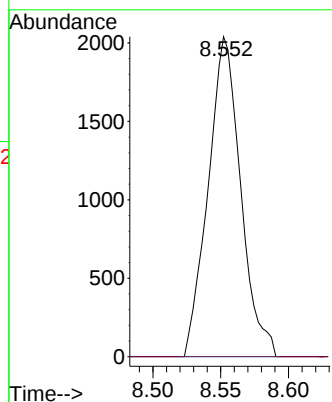
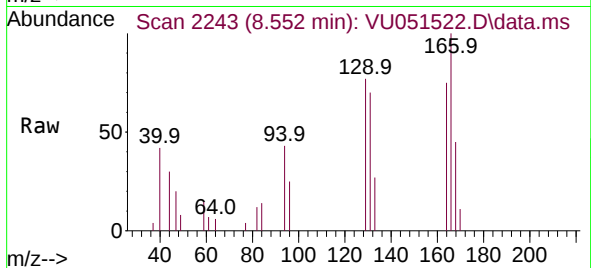
BHAC4

Tgt Ion:129 Resp: 3403

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#51

Chlorobenzene

Concen: 0.113 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051522.D

Acq: 27 Oct 2022 00:00

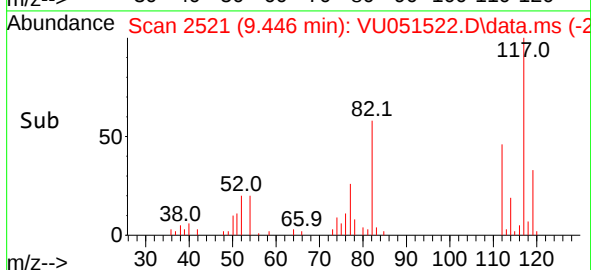
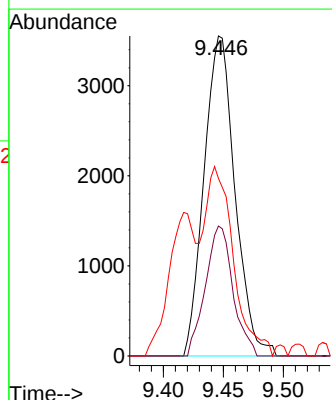
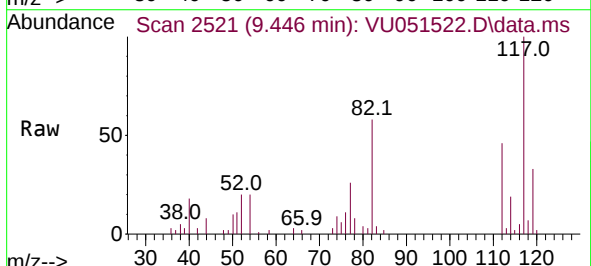
Tgt Ion:112 Resp: 6373

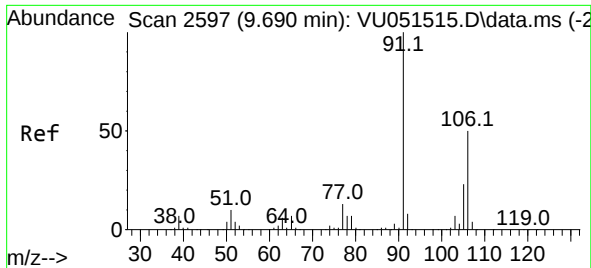
Ion Ratio Lower Upper

112 100

114 40.6 22.3 41.5

77 55.5 48.1 72.1

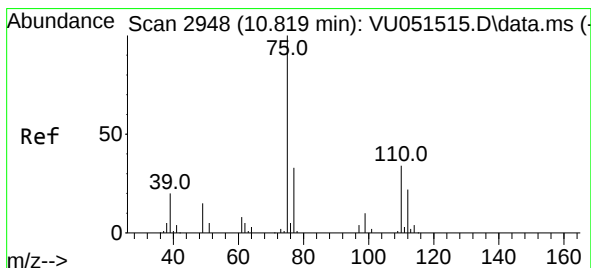
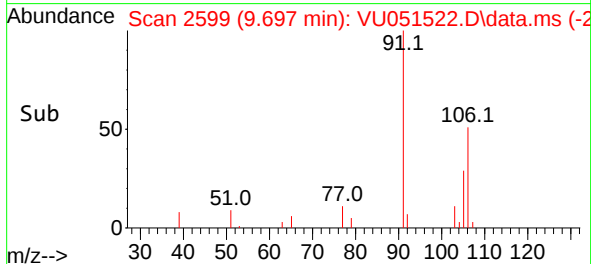
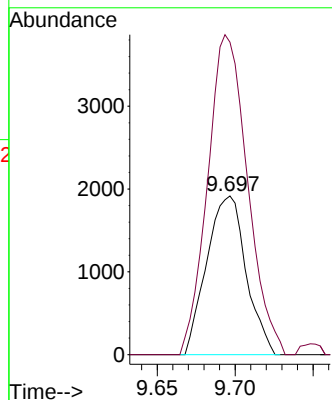
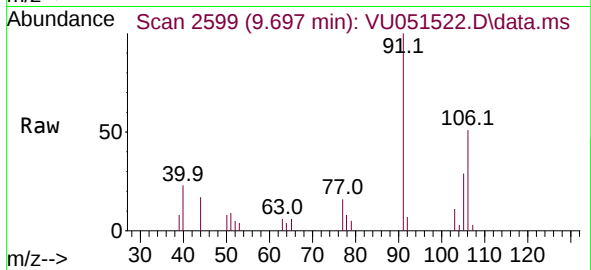




#53  
m,p-Xylene  
Concen: 0.102 ug/L  
RT: 9.697 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU051522.D  
Acq: 27 Oct 2022 00:00

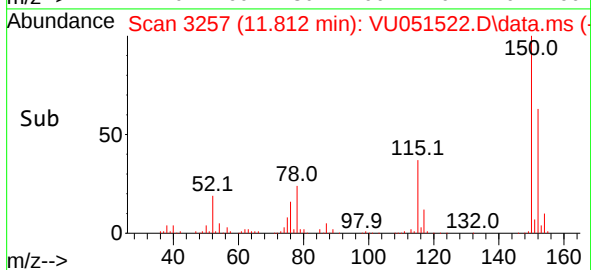
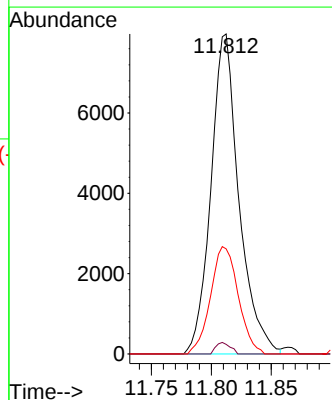
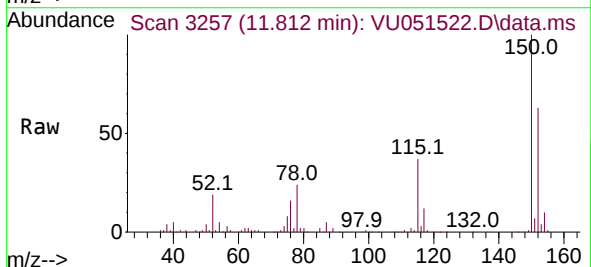
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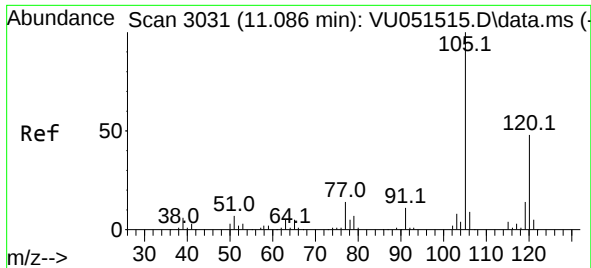
Tgt Ion:106 Resp: 3362  
Ion Ratio Lower Upper  
106 100  
91 196.9 143.9 267.3



#61  
1,2,3-Trichloropropane  
Concen: 0.933 ug/L  
RT: 11.812 min Scan# 3257  
Delta R.T. 0.994 min  
Lab File: VU051522.D  
Acq: 27 Oct 2022 00:00

Tgt Ion: 75 Resp: 12952  
Ion Ratio Lower Upper  
75 100  
110 1.8 27.0 40.6#  
77 33.1 26.4 39.6

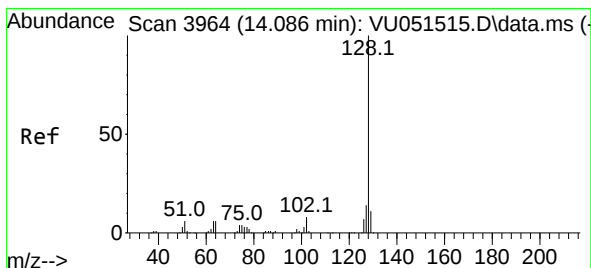
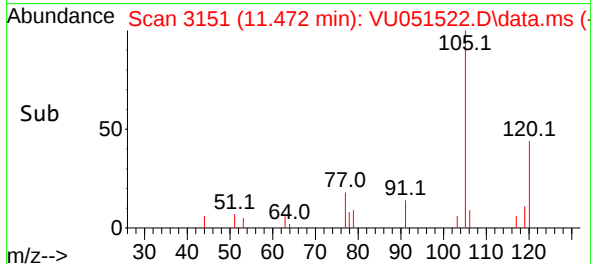
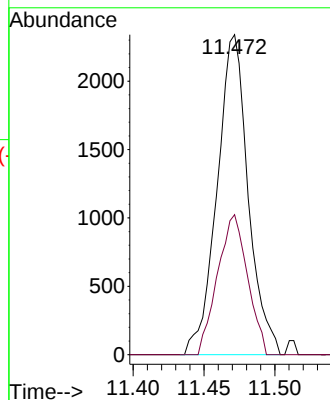
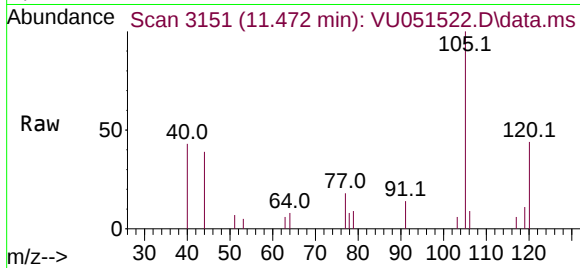




#62  
1,3,5-Trimethylbenzene  
Concen: 0.194 ug/L  
RT: 11.472 min Scan# 3151  
Delta R.T. 0.386 min  
Lab File: VU051522.D  
Acq: 27 Oct 2022 00:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHAC4

Tgt Ion:105 Resp: 3578  
Ion Ratio Lower Upper  
105 100  
120 42.0 37.7 56.5



#71  
Naphthalene  
Concen: 0.614 ug/L  
RT: 14.089 min Scan# 3965  
Delta R.T. 0.003 min  
Lab File: VU051522.D  
Acq: 27 Oct 2022 00:00

Tgt Ion:128 Resp: 19271  
Ion Ratio Lower Upper  
128 100  
129 10.5 8.5 12.7  
127 14.2 11.1 16.7

