

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW011623\  
 Data File : VW029872.D  
 Acq On : 16 Jan 2023 13:22  
 Operator : SY/MD  
 Sample : 01136-09 10X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BGJC2

Quant Time: Jan 17 00:38:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011223WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 12 22:05:54 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.609  | 114   | 195569   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.844  | 117   | 192766   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.239 | 152   | 104581   | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 68593    | 4.624    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 92.400%   |
| 7) Chloroethane-d5            | 1.564  | 69    | 65983    | 5.366    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 107.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 96289    | 3.561    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 71.200%   |
| 20) 2-Butanone-d5             | 3.889  | 46    | 144373   | 54.912   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 109.820%  |
| 24) Chloroform-d              | 4.339  | 84    | 146556   | 5.386    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 107.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 65168    | 5.655    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 113.200%  |
| 32) Benzene-d6                | 5.043  | 84    | 298837   | 5.226    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 104.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.063  | 67    | 92624    | 5.535    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 110.600%  |
| 41) Toluene-d8                | 7.310  | 98    | 254832   | 4.814    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.200%   |
| 43) trans-1,3-Dichloroprop... | 7.616  | 79    | 27301    | 4.467    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 89.400%   |
| 46) 2-Hexanone-d5             | 8.085  | 63    | 133548   | 53.673   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 107.340%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.204 | 84    | 74587    | 6.082    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 121.600%# |
| 66) 1,2-Dichlorobenzene-d4    | 11.612 | 152   | 101712   | 5.349    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 107.000%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 3) Chloromethane              | 1.240  | 50    | 735      | 0.038    | ug/L   | 90        |
| 5) Vinyl chloride             | 1.310  | 62    | 6350     | 0.338    | ug/L # | 77        |
| 8) Chloroethane               | 1.539  | 64    | 72920    | 6.398    | ug/L # | 52        |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 2489     | 0.149    | ug/L # | 1         |
| 14) Carbon disulfide          | 2.294  | 76    | 3402     | 0.071    | ug/L   | 97        |
| 15) Methyl Acetate            | 2.182  | 43    | 6939     | 1.420    | ug/L # | 45        |
| 16) Methylene chloride        | 2.503  | 84    | 32228    | 1.554    | ug/L   | 96        |
| 18) trans-1,2-Dichloroethene  | 2.764  | 96    | 638      | 0.041    | ug/L   | 88        |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 17228    | 0.663    | ug/L   | 98        |
| 21) 2-Butanone                | 3.998  | 43    | 2477     | 0.921    | ug/L   | 90        |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96    | 16371    | 0.990    | ug/L   | 92        |
| 34) Trichloroethene           | 5.912  | 95    | 8628     | 0.534    | ug/L   | 94        |
| 35) Methylcyclohexane         | 6.063  | 83    | 22109    | 0.811    | ug/L # | 20        |
| 37) 1,2-Dichloropropane       | 6.063  | 63    | 9200     | 0.616    | ug/L # | 85        |
| 39) cis-1,3-Dichloropropene   | 6.979  | 75    | 1670     | 0.083    | ug/L # | 50        |
| 47) Tetrachloroethene         | 7.966  | 164   | 3003     | 0.221    | ug/L   | 91        |
| 49) Dibromochloromethane      | 7.969  | 129   | 2647     | 0.210    | ug/L # | 11        |
| 61) 1,2,3-Trichloropropane    | 11.236 | 75    | 11990    | 1.548    | ug/L # | 65        |
| -----                         |        |       |          |          |        |           |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV011623\  
Data File : VV029872.D  
Acq On : 16 Jan 2023 13:22  
Operator : SY/MD  
Sample : 01136-09 10X  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJC2

Quant Time: Jan 17 00:38:02 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011223WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Jan 12 22:05:54 2023  
Response via : Initial Calibration

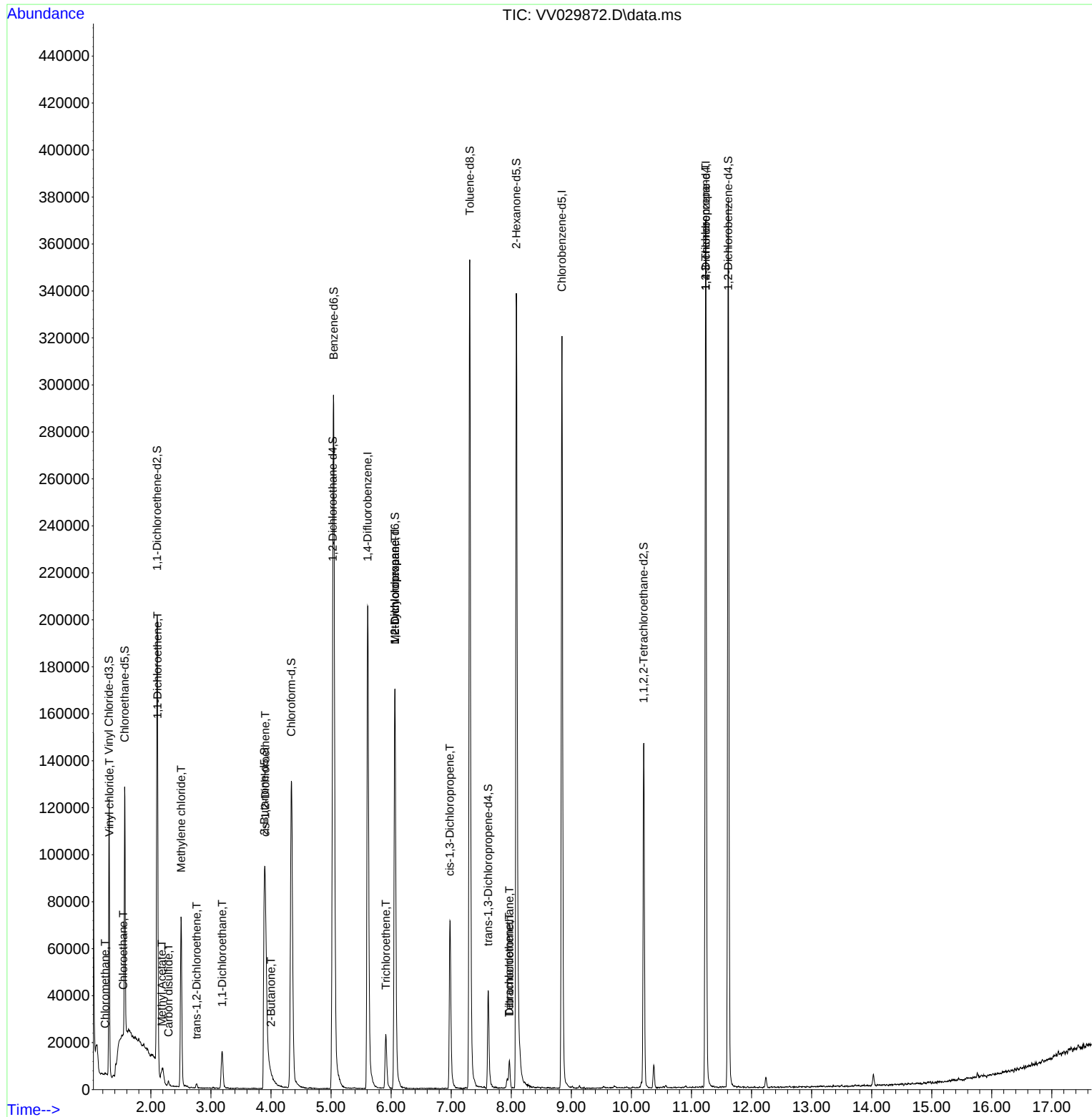
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|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

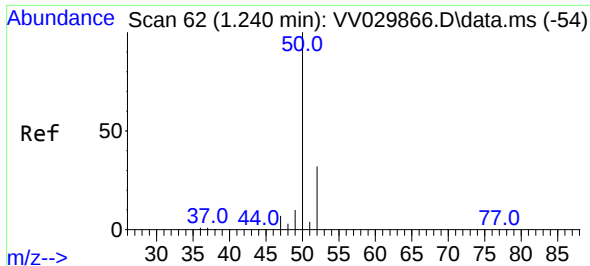
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV011623\  
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Quant Time: Jan 17 00:38:02 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011223WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Jan 12 22:05:54 2023  
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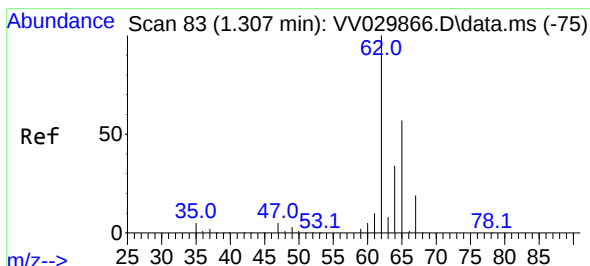
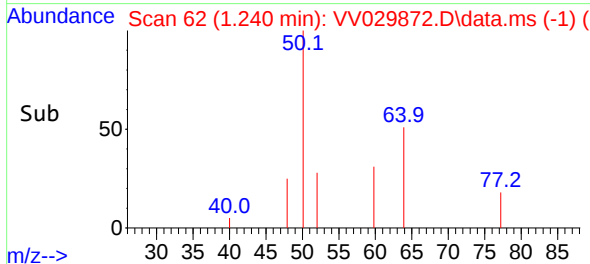
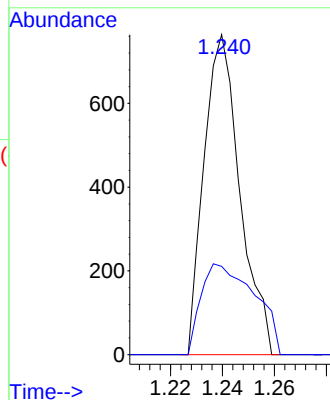
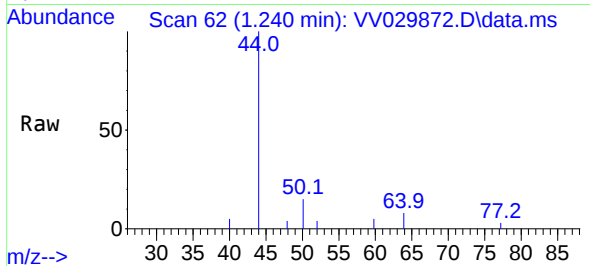




#3  
Chloromethane  
Concen: 0.038 ug/L  
RT: 1.240 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VV029872.D  
Acq: 16 Jan 2023 13:22

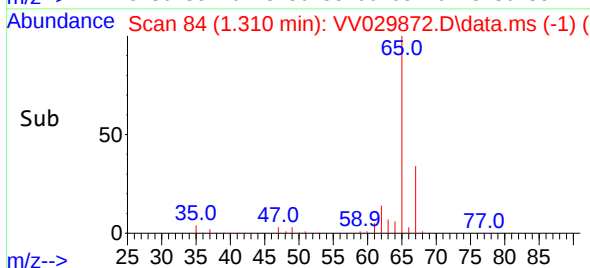
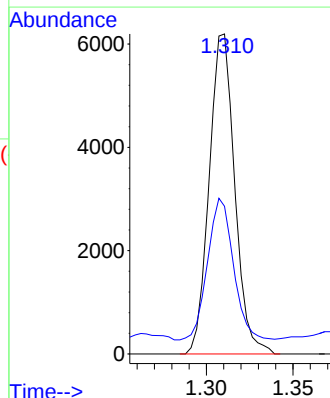
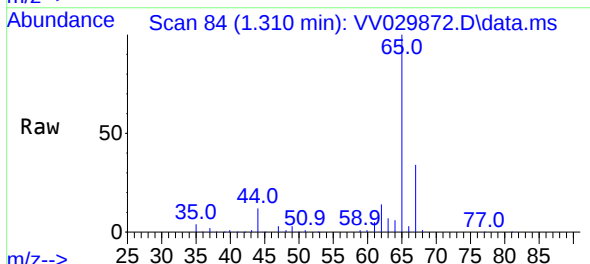
Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJC2

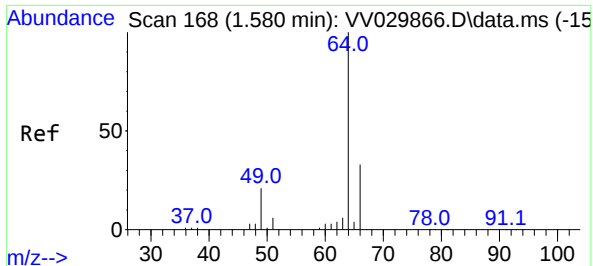
Tgt Ion: 50 Resp: 735  
Ion Ratio Lower Upper  
50 100  
52 27.6 23.1 42.9



#5  
Vinyl chloride  
Concen: 0.338 ug/L  
RT: 1.310 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VV029872.D  
Acq: 16 Jan 2023 13:22

Tgt Ion: 62 Resp: 6350  
Ion Ratio Lower Upper  
62 100  
64 46.2 23.2 43.2#

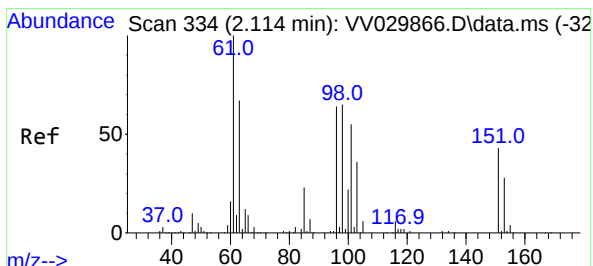
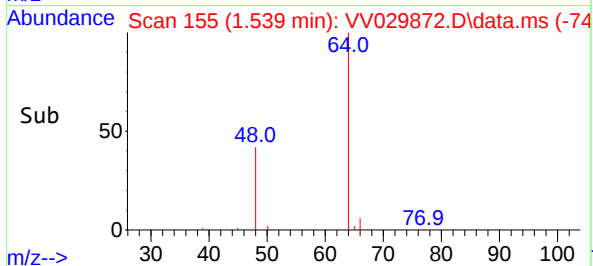
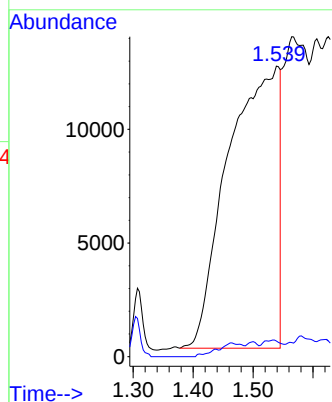
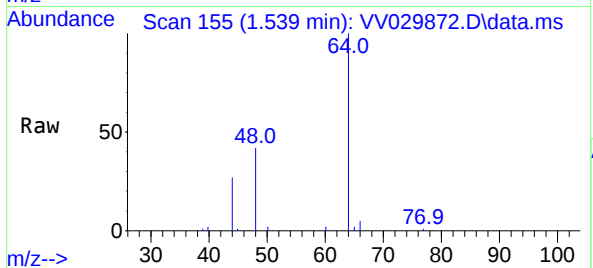




#8  
Chloroethane  
Concen: 6.398 ug/L  
RT: 1.539 min Scan# 11  
Delta R.T. -0.039 min  
Lab File: VV029872.D  
Acq: 16 Jan 2023 13:22

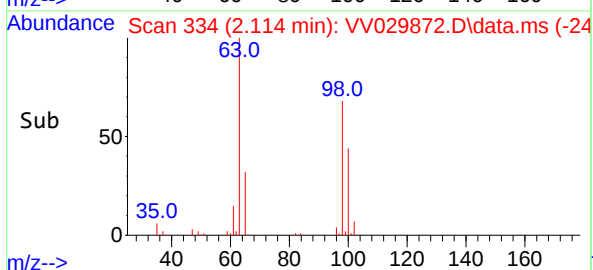
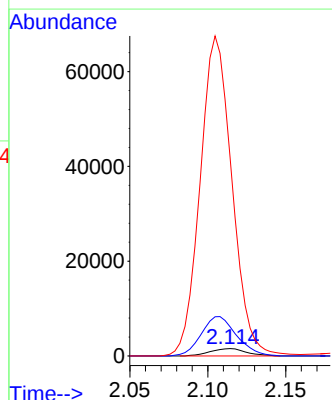
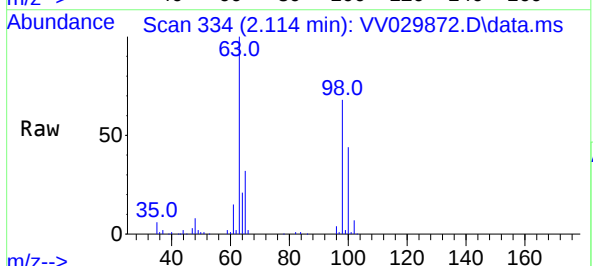
Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJC2

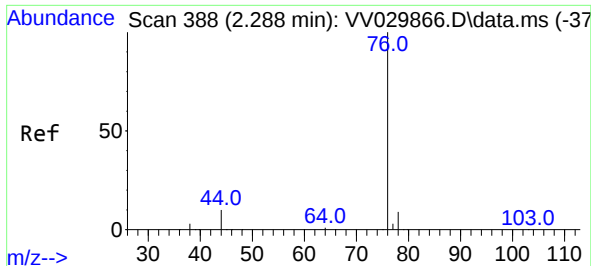
Tgt Ion: 64 Resp: 72920  
Ion Ratio Lower Upper  
64 100  
66 5.4 22.9 42.5#



#12  
1,1-Dichloroethene  
Concen: 0.149 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. 0.003 min  
Lab File: VV029872.D  
Acq: 16 Jan 2023 13:22

Tgt Ion: 96 Resp: 2489  
Ion Ratio Lower Upper  
96 100  
61 395.1 106.1 197.1#  
63 2682.4 76.4 141.8#

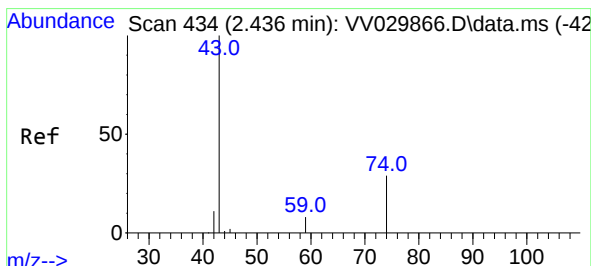
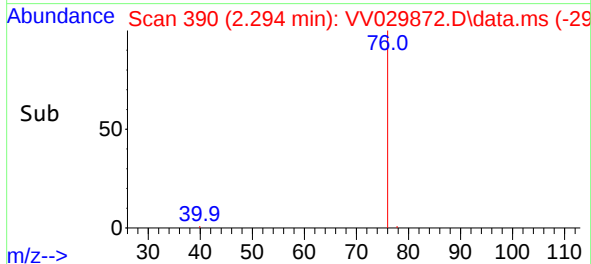
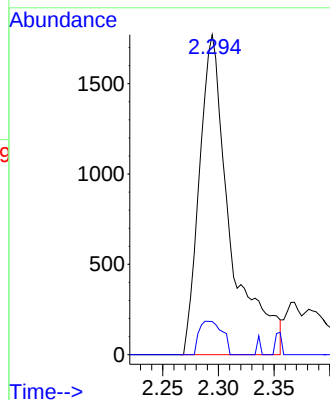
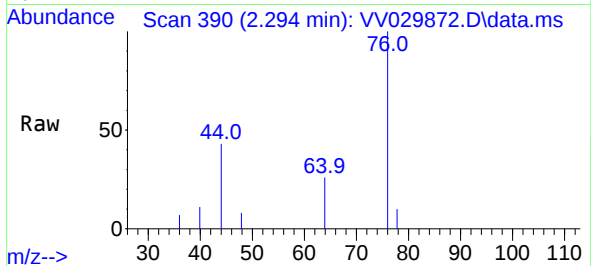




#14  
Carbon disulfide  
Concen: 0.071 ug/L  
RT: 2.294 min Scan# 341  
Delta R.T. 0.010 min  
Lab File: VV029872.D  
Acq: 16 Jan 2023 13:22

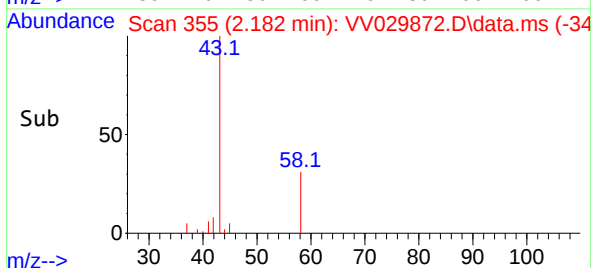
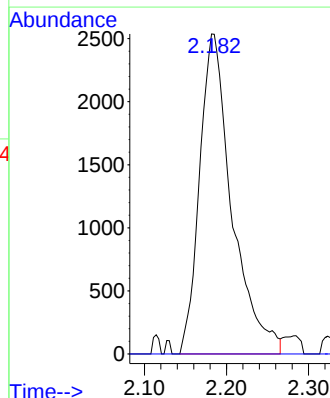
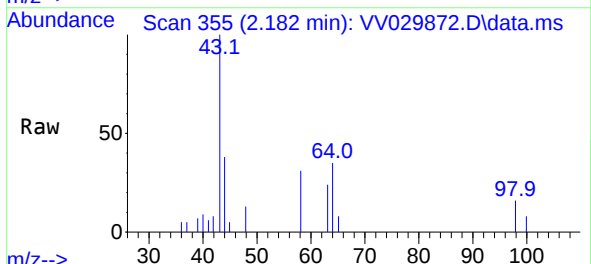
Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJC2

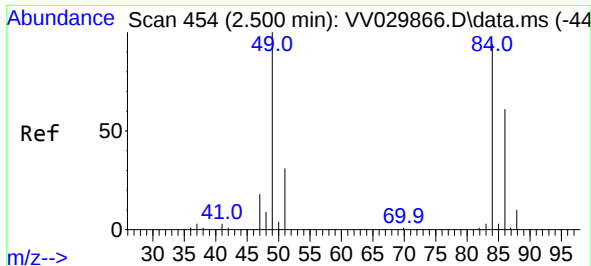
Tgt Ion: 76 Resp: 3402  
Ion Ratio Lower Upper  
76 100  
78 10.3 7.4 11.0



#15  
Methyl Acetate  
Concen: 1.420 ug/L  
RT: 2.182 min Scan# 355  
Delta R.T. -0.254 min  
Lab File: VV029872.D  
Acq: 16 Jan 2023 13:22

Tgt Ion: 43 Resp: 6939  
Ion Ratio Lower Upper  
43 100  
74 0.0 23.4 35.0#

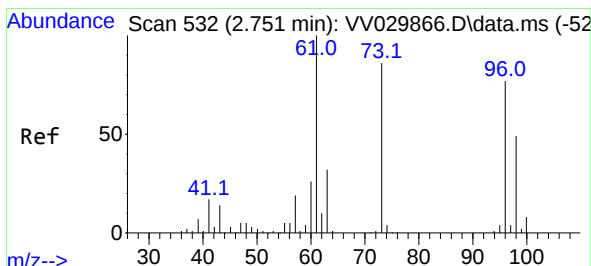
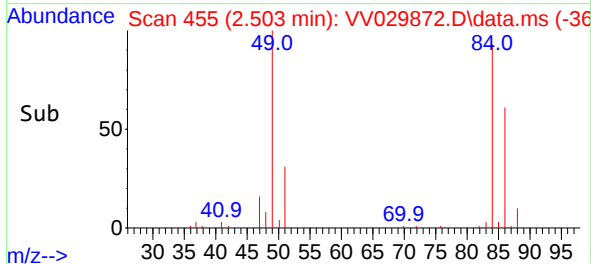
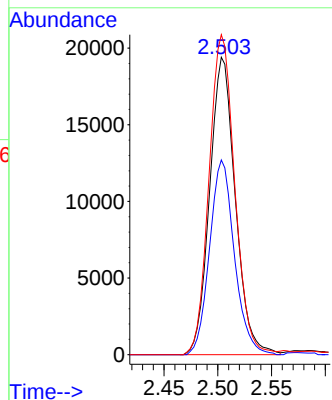
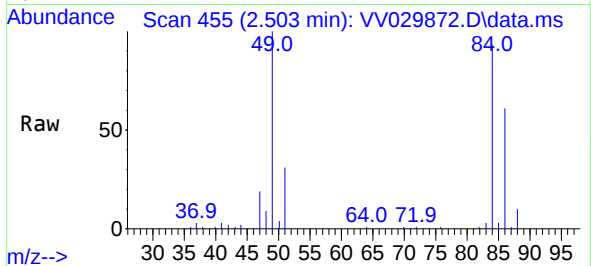




#16  
Methylene chloride  
Concen: 1.554 ug/L  
RT: 2.503 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VV029872.D  
Acq: 16 Jan 2023 13:22

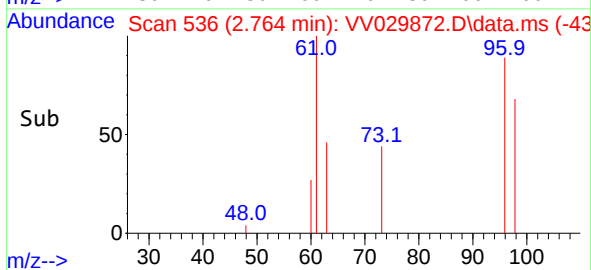
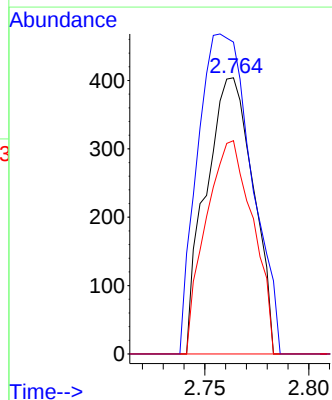
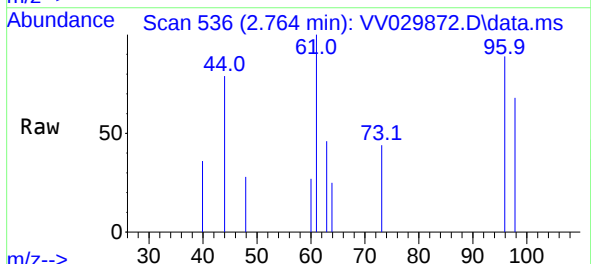
Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJC2

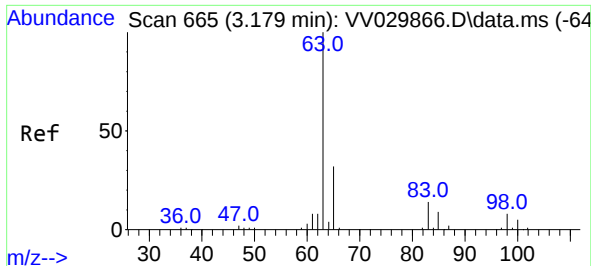
Tgt Ion: 84 Resp: 32228  
Ion Ratio Lower Upper  
84 100  
86 65.4 45.0 83.6  
49 107.6 71.5 132.7



#18  
trans-1,2-Dichloroethene  
Concen: 0.041 ug/L  
RT: 2.764 min Scan# 536  
Delta R.T. 0.013 min  
Lab File: VV029872.D  
Acq: 16 Jan 2023 13:22

Tgt Ion: 96 Resp: 638  
Ion Ratio Lower Upper  
96 100  
61 112.9 86.1 159.9  
98 77.2 43.9 81.5

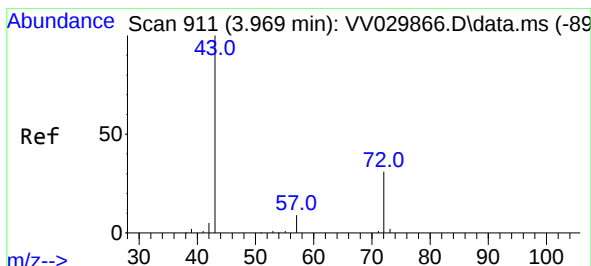
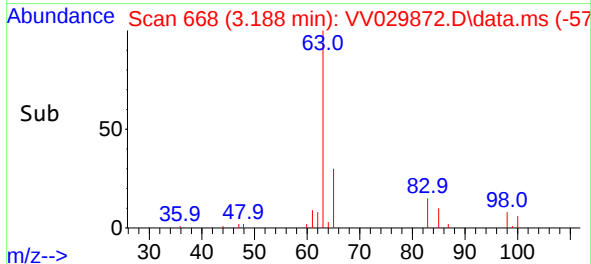
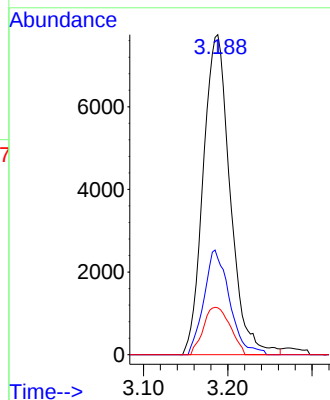
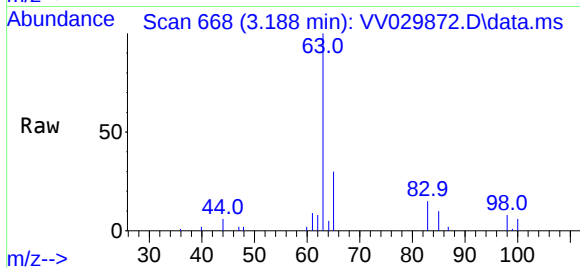




#19  
1,1-Dichloroethane  
Concen: 0.663 ug/L  
RT: 3.188 min Scan# 60  
Delta R.T. 0.010 min  
Lab File: VV029872.D  
Acq: 16 Jan 2023 13:22

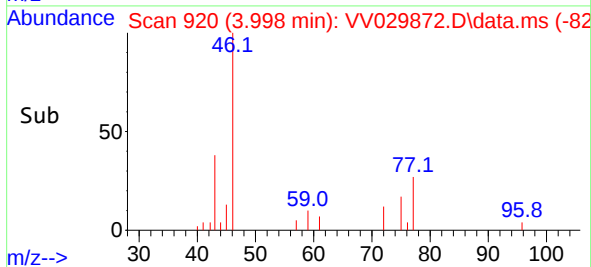
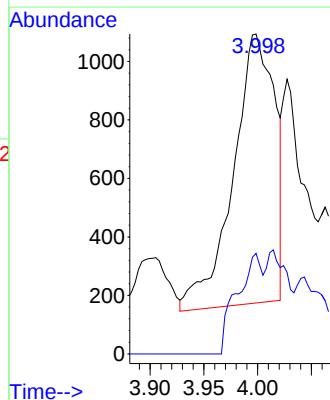
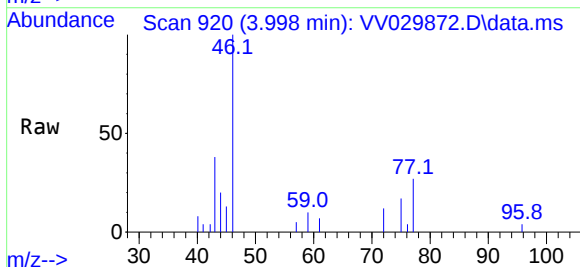
Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJC2

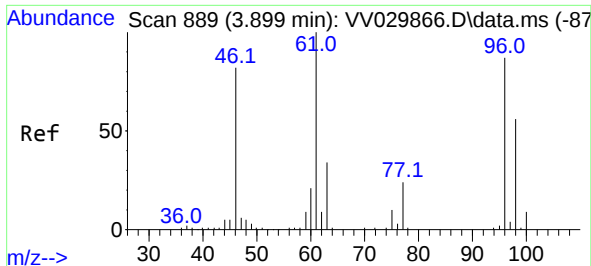
Tgt Ion: 63 Resp: 17228  
Ion Ratio Lower Upper  
63 100  
65 30.1 22.4 41.6  
83 14.7 10.2 19.0



#21  
2-Butanone  
Concen: 0.921 ug/L  
RT: 3.998 min Scan# 920  
Delta R.T. 0.016 min  
Lab File: VV029872.D  
Acq: 16 Jan 2023 13:22

Tgt Ion: 43 Resp: 2477  
Ion Ratio Lower Upper  
43 100  
72 22.5 13.9 41.6

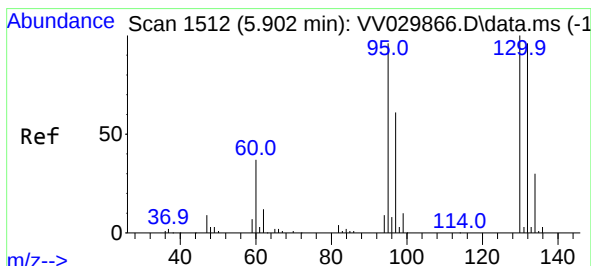
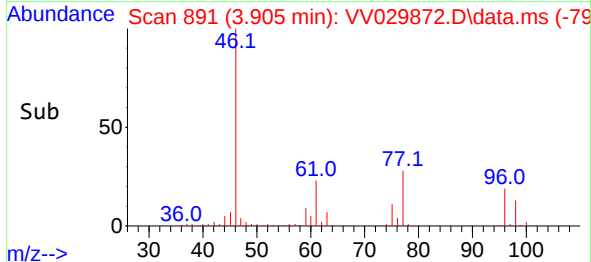
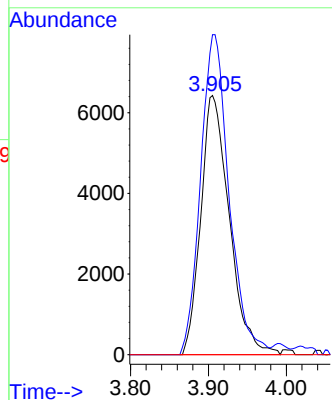
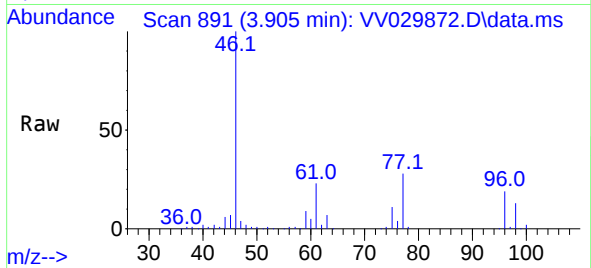




#22  
cis-1,2-Dichloroethene  
Concen: 0.990 ug/L  
RT: 3.905 min Scan# 891  
Delta R.T. 0.006 min  
Lab File: VV029872.D  
Acq: 16 Jan 2023 13:22

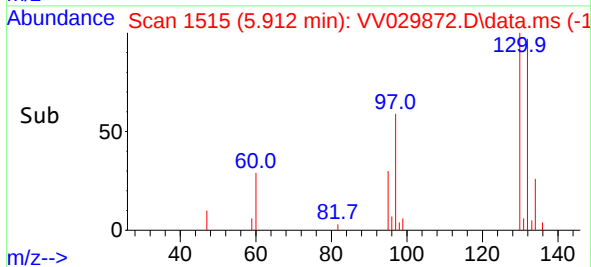
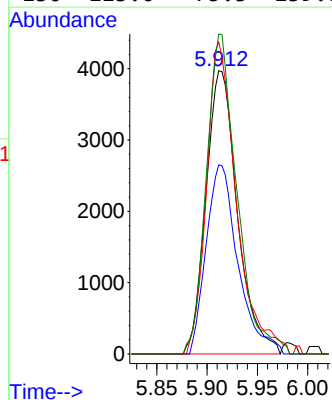
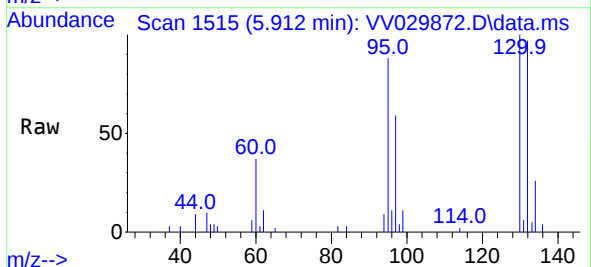
Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJC2

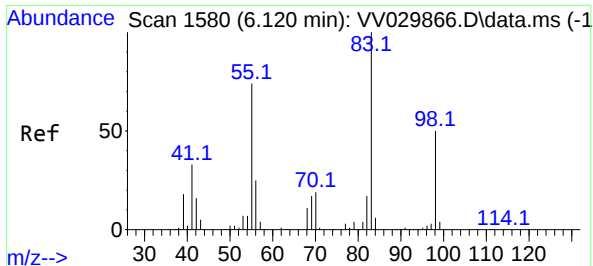
Tgt Ion: 96 Resp: 16371  
Ion Ratio Lower Upper  
96 100  
61 123.5 80.0 148.6  
68 0.0 0.0 0.0



#34  
Trichloroethene  
Concen: 0.534 ug/L  
RT: 5.912 min Scan# 1515  
Delta R.T. 0.006 min  
Lab File: VV029872.D  
Acq: 16 Jan 2023 13:22

Tgt Ion: 95 Resp: 8628  
Ion Ratio Lower Upper  
95 100  
97 66.8 44.9 83.3  
132 110.1 71.8 133.4  
130 113.0 75.3 139.8





#35

Methylcyclohexane

Concen: 0.811 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.058 min

Lab File: VV029872.D

Acq: 16 Jan 2023 13:22

Instrument :

MSVOA\_V

ClientSampleId :

BGJC2

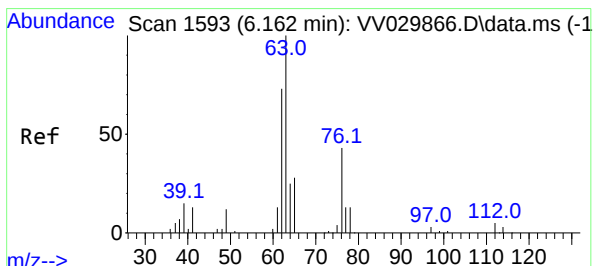
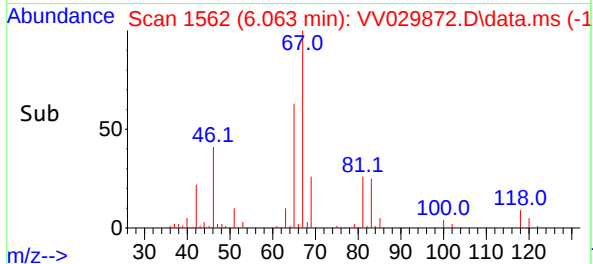
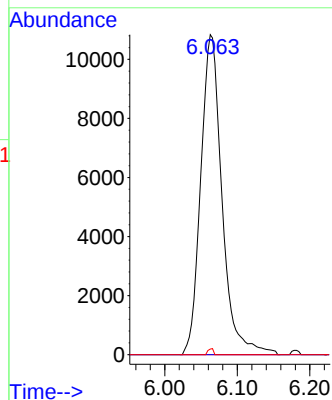
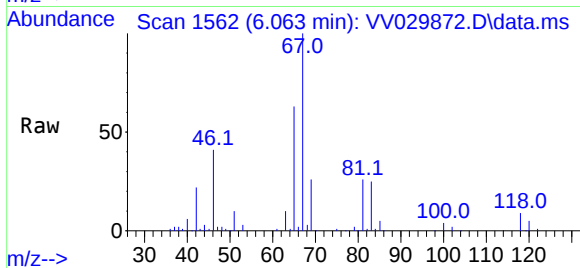
Tgt Ion: 83 Resp: 22109

Ion Ratio Lower Upper

83 100

55 0.0 57.3 85.9#

98 0.5 39.0 58.6#



#37

1,2-Dichloropropane

Concen: 0.616 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.100 min

Lab File: VV029872.D

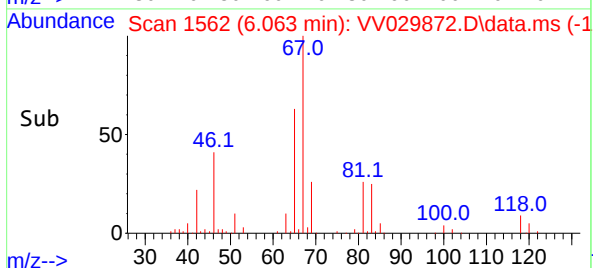
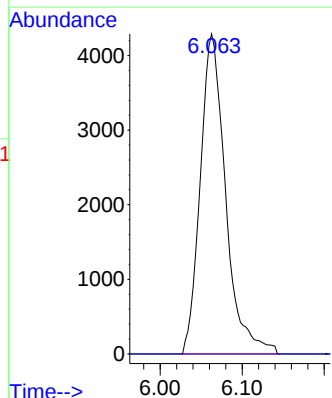
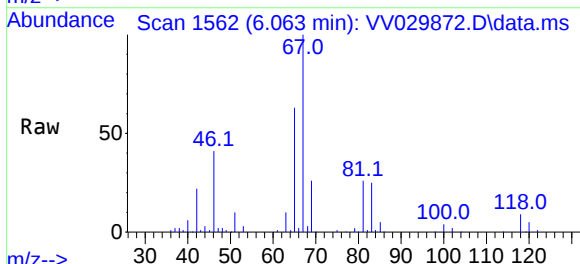
Acq: 16 Jan 2023 13:22

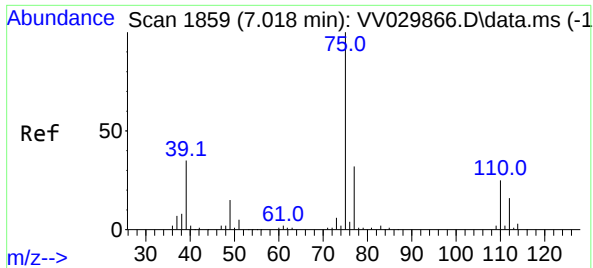
Tgt Ion: 63 Resp: 9200

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#





#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 6.979 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV029872.D

Acq: 16 Jan 2023 13:22

Instrument :

MSVOA\_V

ClientSampleId :

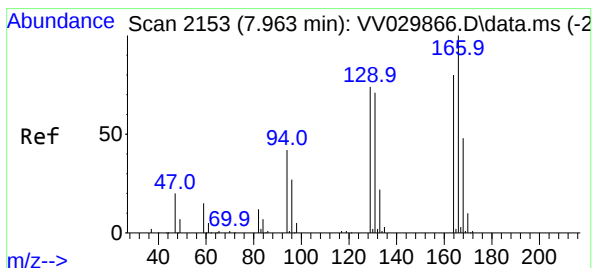
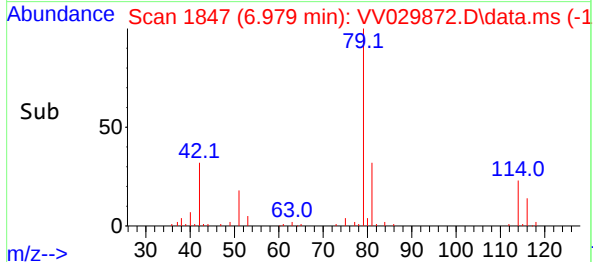
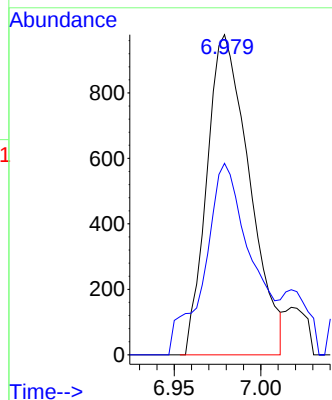
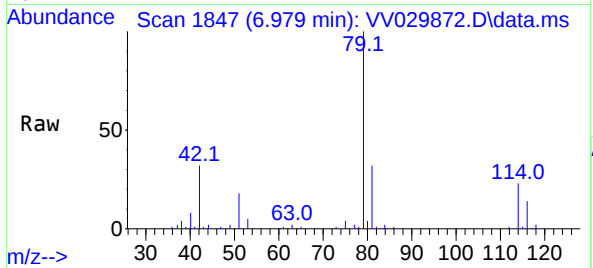
BGJC2

Tgt Ion: 75 Resp: 1670

Ion Ratio Lower Upper

75 100

77 59.8 22.4 41.6#



#47

Tetrachloroethene

Concen: 0.221 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.000 min

Lab File: VV029872.D

Acq: 16 Jan 2023 13:22

Tgt Ion: 164 Resp: 3003

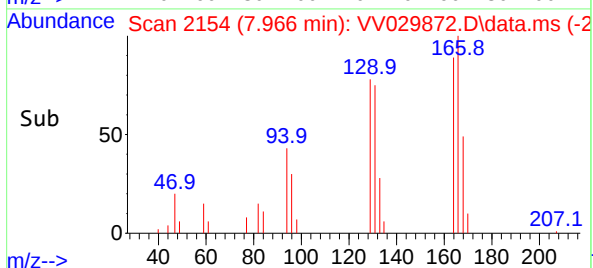
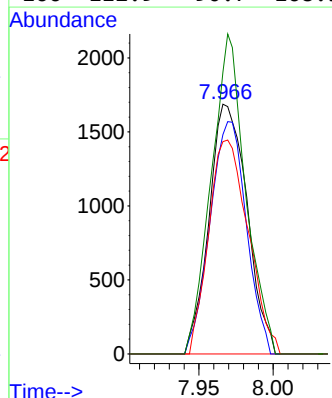
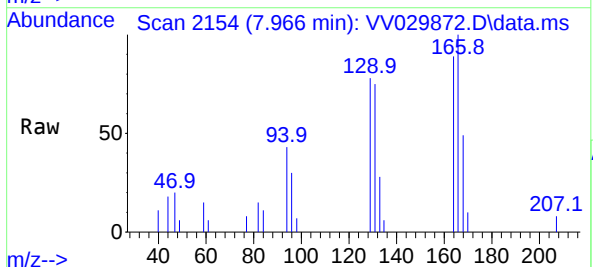
Ion Ratio Lower Upper

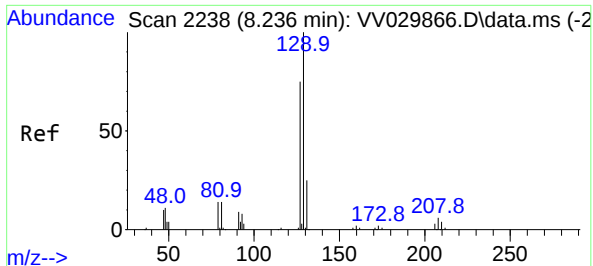
164 100

129 87.8 64.5 119.7

131 85.1 62.9 116.7

166 112.9 90.7 168.5





#49

Dibromochloromethane

Concen: 0.210 ug/L

RT: 7.969 min Scan# 21

Delta R.T. -0.267 min

Lab File: VV029872.D

Acq: 16 Jan 2023 13:22

Instrument :

MSVOA\_V

ClientSampleId :

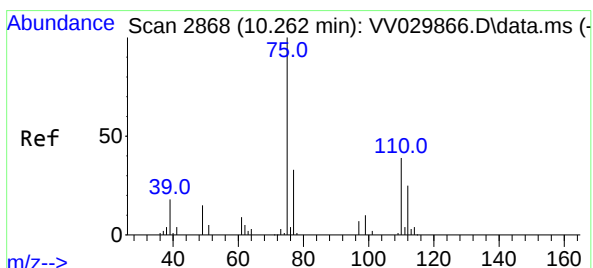
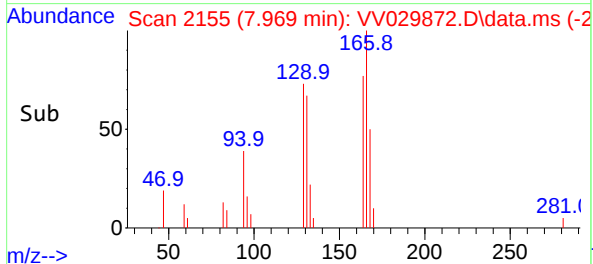
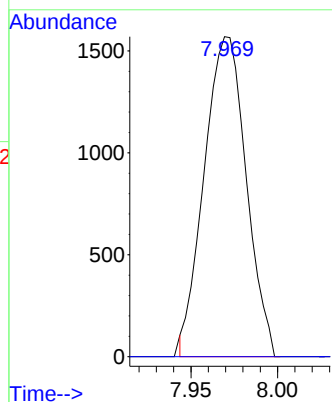
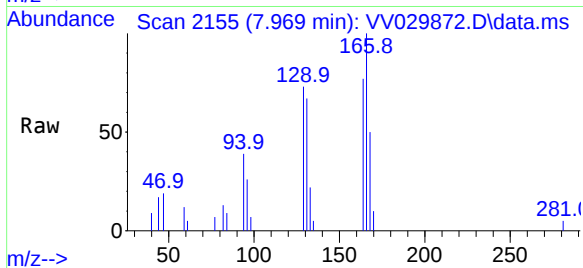
BGJC2

Tgt Ion:129 Resp: 2647

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



#61

1,2,3-Trichloropropane

Concen: 1.548 ug/L

RT: 11.236 min Scan# 3171

Delta R.T. 0.974 min

Lab File: VV029872.D

Acq: 16 Jan 2023 13:22

Tgt Ion: 75 Resp: 11990

Ion Ratio Lower Upper

75 100

77 30.8 26.5 39.7

110 2.3 31.8 47.8#

