

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW011623\  
 Data File : VW029869.D  
 Acq On : 16 Jan 2023 11:54  
 Operator : SY/MD  
 Sample : 01136-02  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BGJB5

Quant Time: Jan 17 00:37:38 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   | 208854   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.844  | 117   | 212407   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239 | 152   | 107150   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 66309    | 4.186    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 83.800%  |
| 7) Chloroethane-d5            | 1.564  | 69    | 64473    | 4.910    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 98.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 101909   | 3.529    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 70.600%  |
| 20) 2-Butanone-d5             | 3.921  | 46    | 107551   | 38.305   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 76.600%  |
| 24) Chloroform-d              | 4.339  | 84    | 148413   | 5.107    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.200% |
| 26) 1,2-Dichloroethane-d4     | 5.024  | 65    | 65663    | 5.336    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 106.800% |
| 32) Benzene-d6                | 5.043  | 84    | 316170   | 5.018    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.400% |
| 36) 1,2-Dichloropropane-d6    | 6.063  | 67    | 97306    | 5.277    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 105.600% |
| 41) Toluene-d8                | 7.307  | 98    | 270430   | 4.636    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.800%  |
| 43) trans-1,3-Dichloroprop... | 7.616  | 79    | 32496    | 4.825    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 96.600%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 142081   | 51.822   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 103.640% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207 | 84    | 71872    | 5.319    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 106.400% |
| 66) 1,2-Dichlorobenzene-d4    | 11.612 | 152   | 107051   | 5.495    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 110.000% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.240  | 50    | 1106     | 0.054    | ug/L # | 75       |
| 5) Vinyl chloride             | 1.310  | 62    | 36423    | 1.816    | ug/L   | 98       |
| 8) Chloroethane               | 1.584  | 64    | 8414     | 0.691    | ug/L   | 94       |
| 12) 1,1-Dichloroethene        | 2.117  | 96    | 11728    | 0.658    | ug/L # | 1        |
| 14) Carbon disulfide          | 2.294  | 76    | 5472     | 0.107    | ug/L # | 87       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 15603    | 0.506    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96    | 11100    | 0.670    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.185  | 63    | 85967    | 3.100    | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 3.902  | 96    | 198425   | 11.233   | ug/L   | 97       |
| 34) Trichloroethene           | 5.905  | 95    | 44869    | 2.521    | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.059  | 83    | 23792    | 0.792    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.063  | 63    | 9510     | 0.578    | ug/L # | 85       |
| 39) cis-1,3-Dichloropropene   | 6.979  | 75    | 2042     | 0.093    | ug/L # | 49       |
| 42) Toluene                   | 7.384  | 91    | 19675    | 0.260    | ug/L   | 93       |
| 49) Dibromochloromethane      | 7.973  | 129   | 405      | 0.029    | ug/L # | 11       |
| 53) m,p-Xylene                | 9.133  | 106   | 1577     | 0.050    | ug/L   | 76       |
| 61) 1,2,3-Trichloropropane    | 11.236 | 75    | 11833    | 1.491    | ug/L # | 65       |
| 71) Naphthalene               | 13.493 | 128   | 1969     | 0.069    | ug/L # | 91       |
| -----                         |        |       |          |          |        |          |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV011623\  
Data File : VV029869.D  
Acq On : 16 Jan 2023 11:54  
Operator : SY/MD  
Sample : 01136-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJB5

Quant Time: Jan 17 00:37:38 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

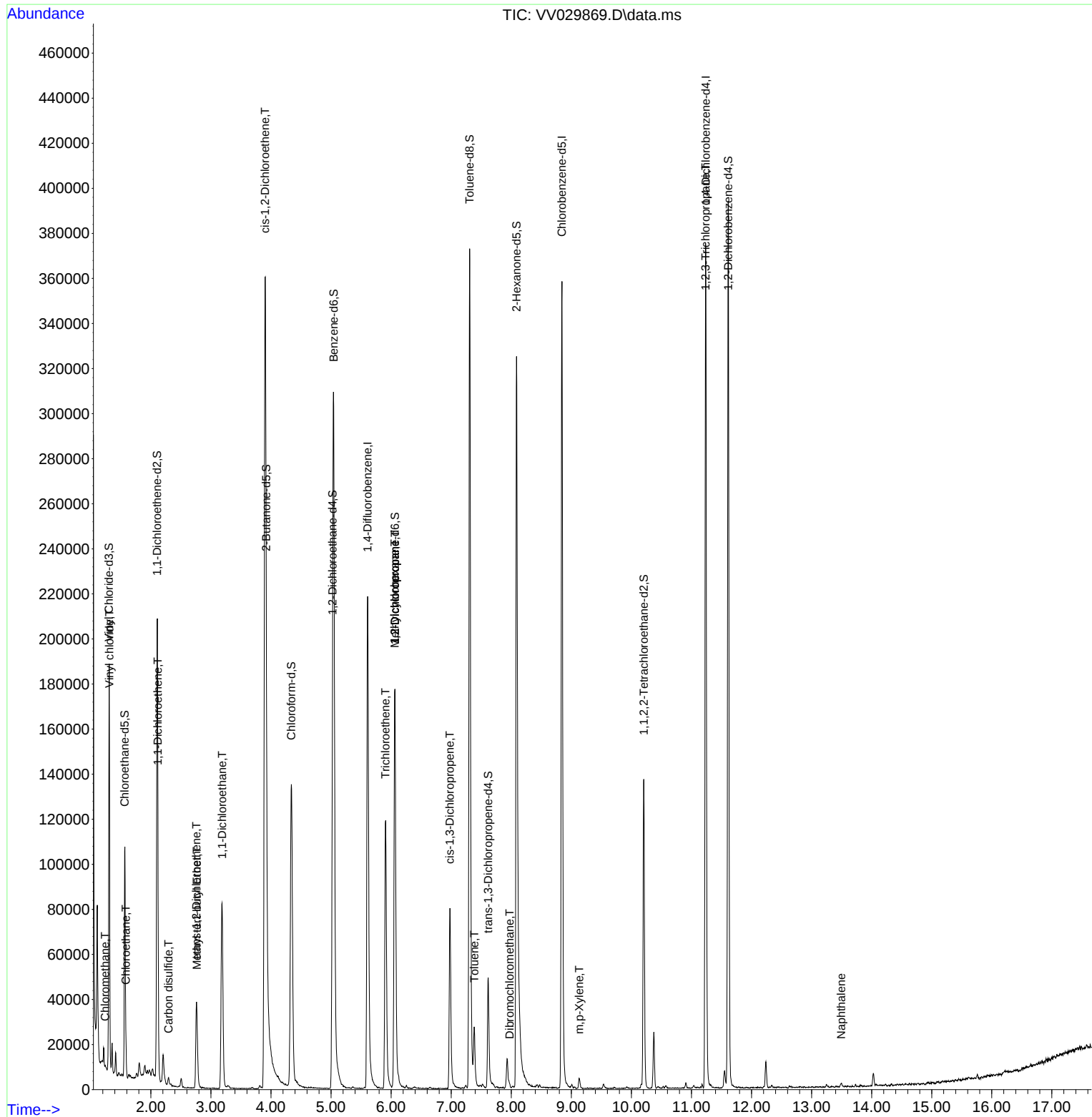
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

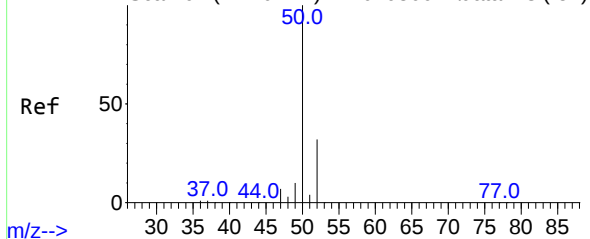
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV011623\  
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Abundance Scan 62 (1.240 min): VV029866.D\data.ms (-54)



#3

Chloromethane

Concen: 0.054 ug/L

RT: 1.240 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV029869.D

Acq: 16 Jan 2023 11:54

Instrument :

MSVOA\_V

ClientSampleId :

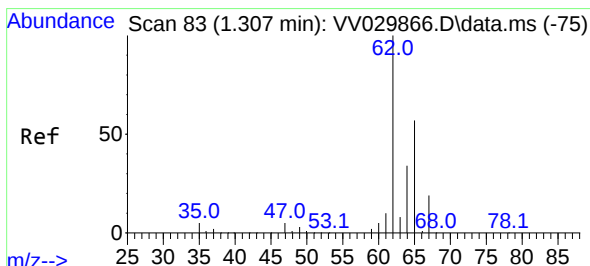
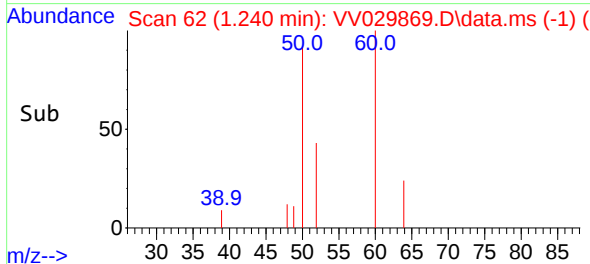
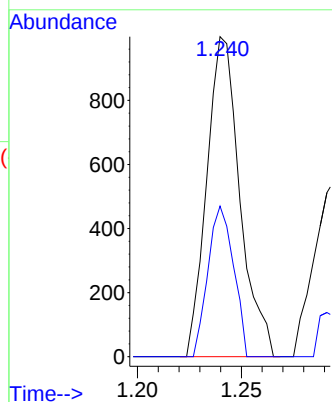
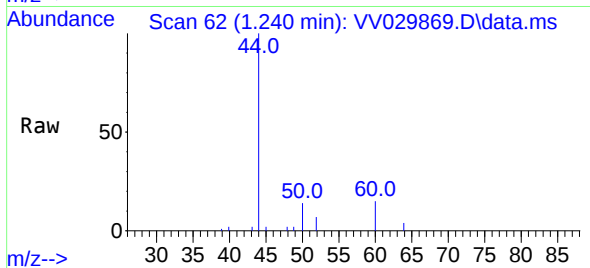
BGJB5

Tgt Ion: 50 Resp: 1106

Ion Ratio Lower Upper

50 100

52 47.0 23.1 42.9#



#5

Vinyl chloride

Concen: 1.816 ug/L

RT: 1.310 min Scan# 84

Delta R.T. 0.006 min

Lab File: VV029869.D

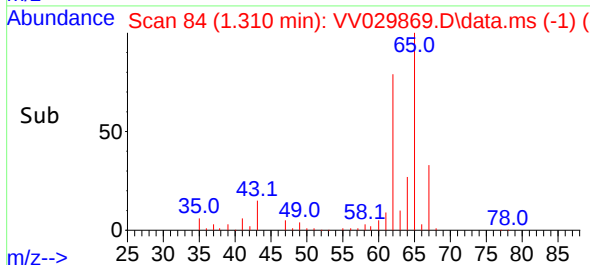
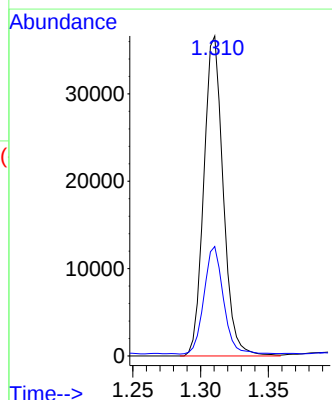
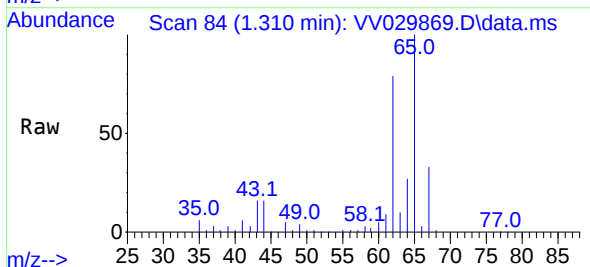
Acq: 16 Jan 2023 11:54

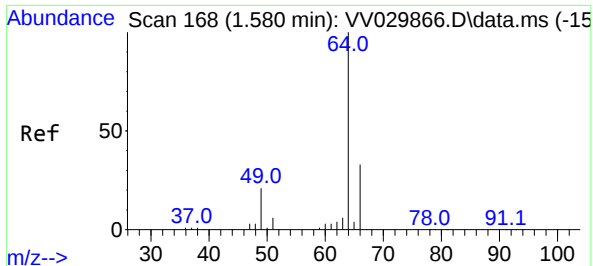
Tgt Ion: 62 Resp: 36423

Ion Ratio Lower Upper

62 100

64 34.2 23.2 43.2

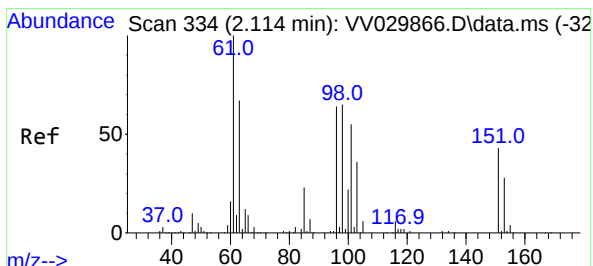
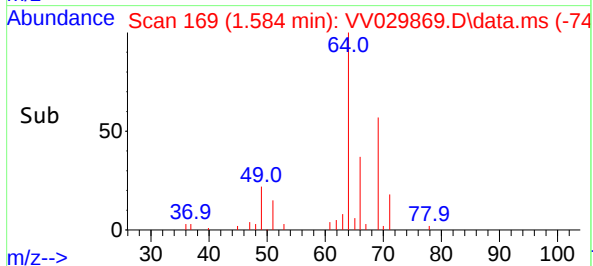
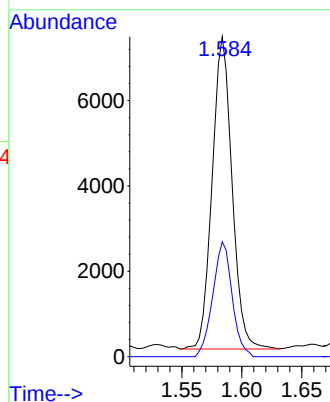
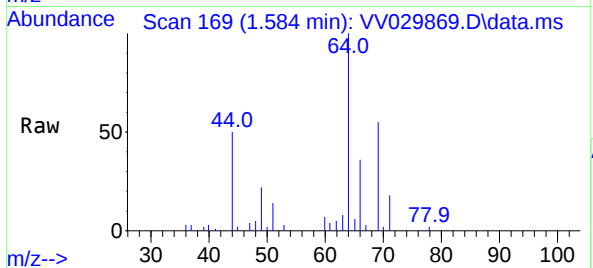




#8  
Chloroethane  
Concen: 0.691 ug/L  
RT: 1.584 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VV029869.D  
Acq: 16 Jan 2023 11:54

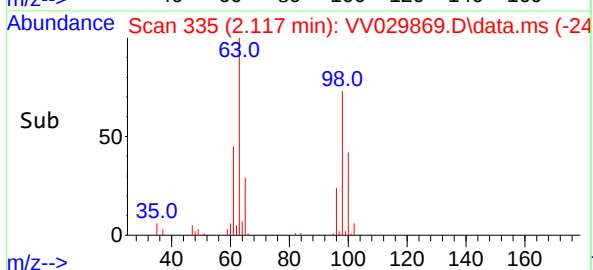
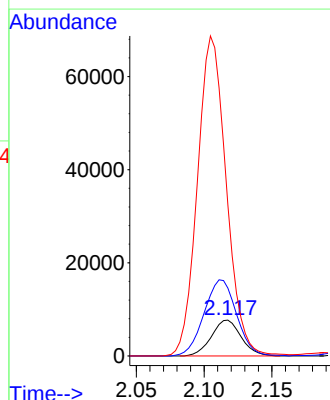
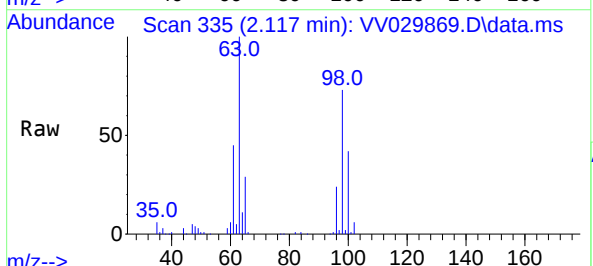
Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJB5

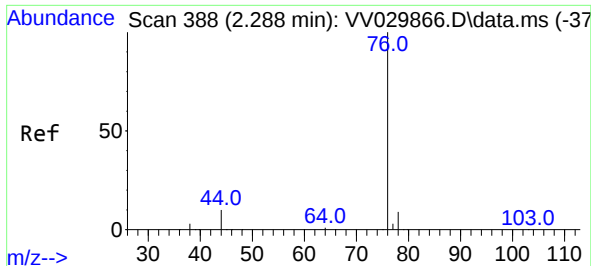
Tgt Ion: 64 Resp: 8414  
Ion Ratio Lower Upper  
64 100  
66 35.9 22.9 42.5



#12  
1,1-Dichloroethene  
Concen: 0.658 ug/L  
RT: 2.117 min Scan# 335  
Delta R.T. 0.006 min  
Lab File: VV029869.D  
Acq: 16 Jan 2023 11:54

Tgt Ion: 96 Resp: 11728  
Ion Ratio Lower Upper  
96 100  
61 189.1 106.1 197.1  
63 421.6 76.4 141.8#

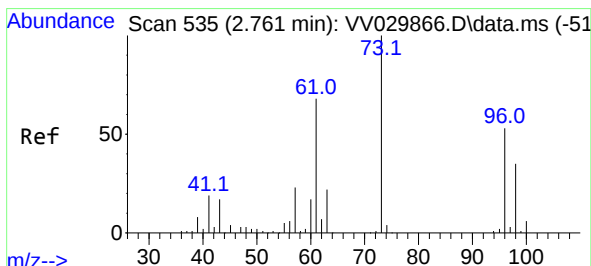
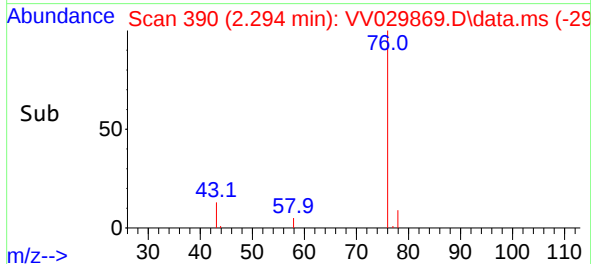
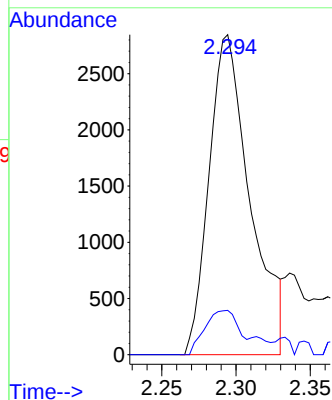
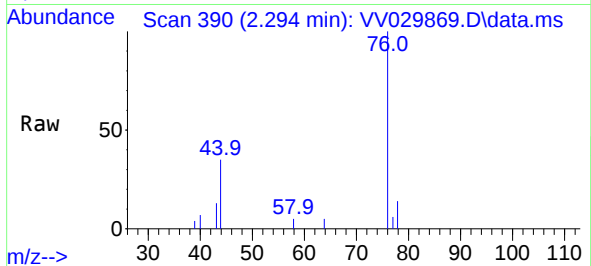




#14  
Carbon disulfide  
Concen: 0.107 ug/L  
RT: 2.294 min Scan# 390  
Delta R.T. 0.010 min  
Lab File: VV029869.D  
Acq: 16 Jan 2023 11:54

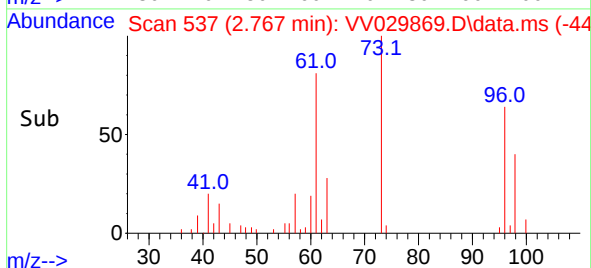
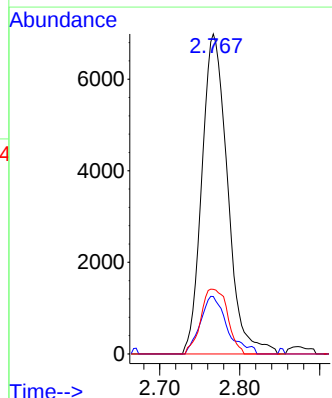
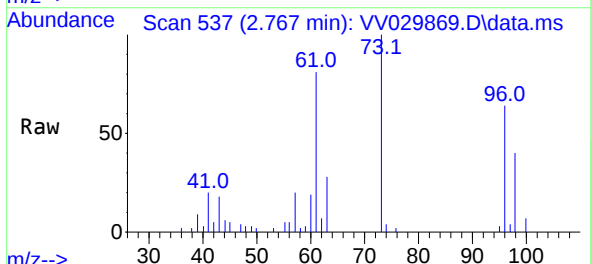
Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJB5

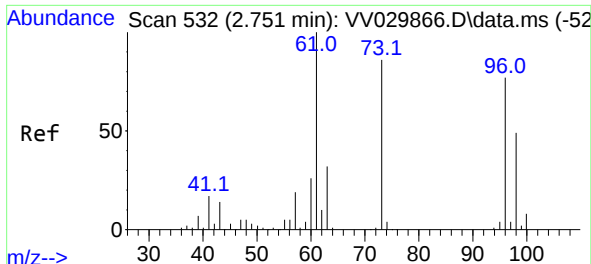
Tgt Ion: 76 Resp: 5472  
Ion Ratio Lower Upper  
76 100  
78 13.9 7.4 11.0#



#17  
Methyl tert-butyl Ether  
Concen: 0.506 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. 0.006 min  
Lab File: VV029869.D  
Acq: 16 Jan 2023 11:54

Tgt Ion: 73 Resp: 15603  
Ion Ratio Lower Upper  
73 100  
43 18.8 13.0 19.4  
57 21.0 17.1 25.7

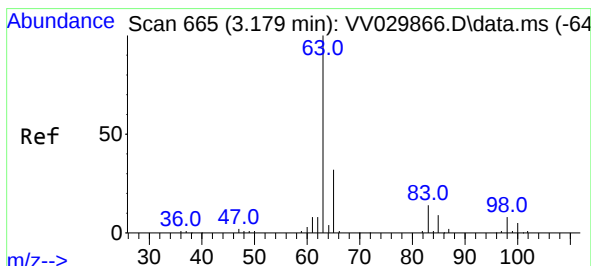
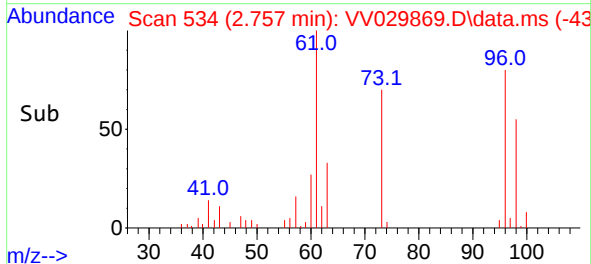
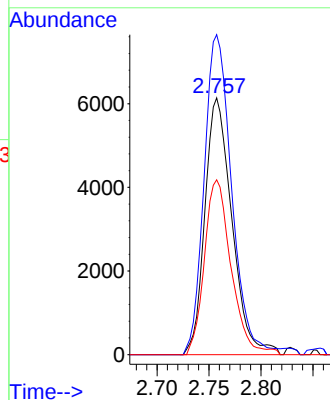
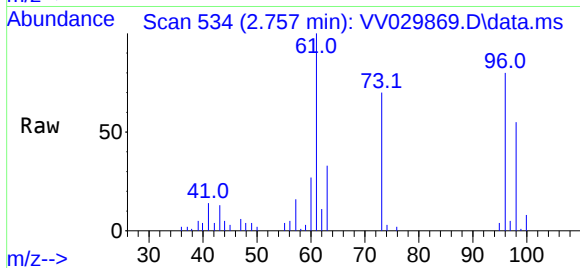




#18  
trans-1,2-Dichloroethene  
Concen: 0.670 ug/L  
RT: 2.757 min Scan# 511  
Delta R.T. 0.006 min  
Lab File: VV029869.D  
Acq: 16 Jan 2023 11:54

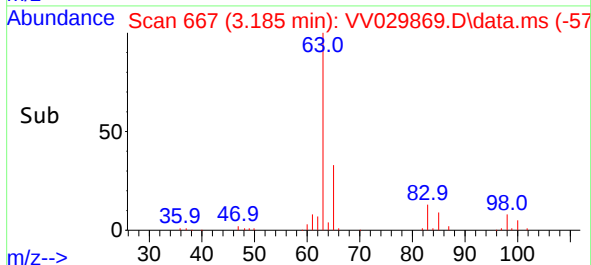
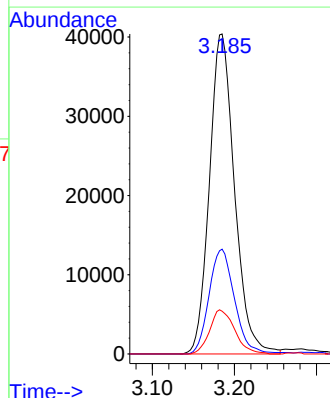
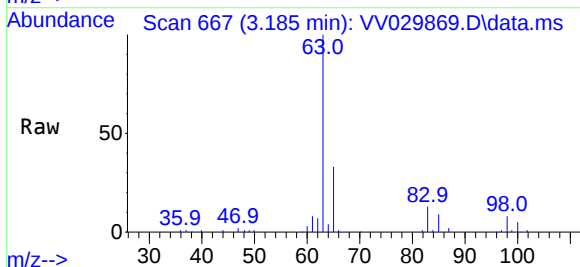
Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJB5

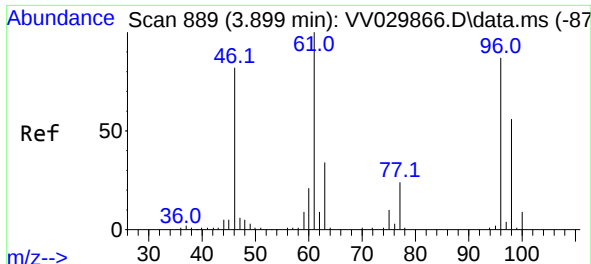
Tgt Ion: 96 Resp: 11100  
Ion Ratio Lower Upper  
96 100  
61 124.6 86.1 159.9  
98 68.1 43.9 81.5



#19  
1,1-Dichloroethane  
Concen: 3.100 ug/L  
RT: 3.185 min Scan# 667  
Delta R.T. 0.006 min  
Lab File: VV029869.D  
Acq: 16 Jan 2023 11:54

Tgt Ion: 63 Resp: 85967  
Ion Ratio Lower Upper  
63 100  
65 32.8 22.4 41.6  
83 13.4 10.2 19.0

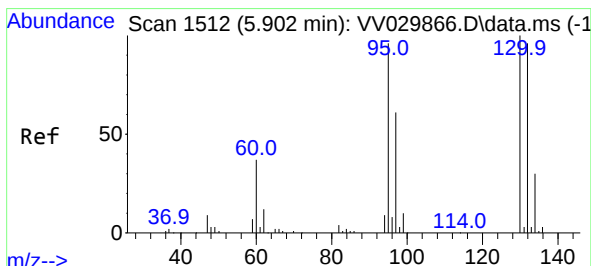
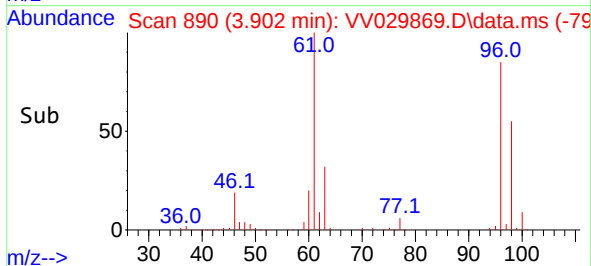
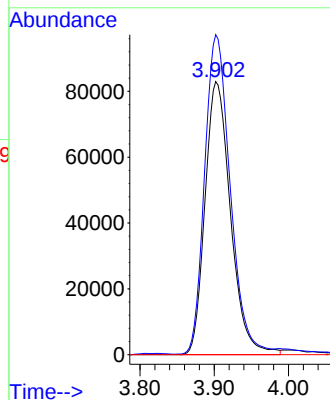
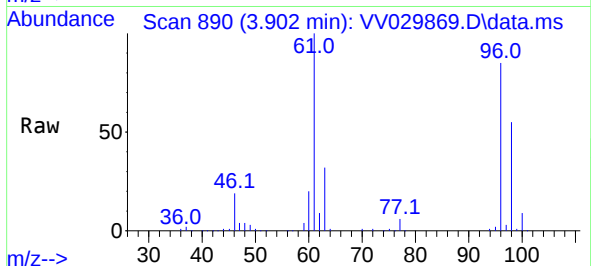




#22  
cis-1,2-Dichloroethene  
Concen: 11.233 ug/L  
RT: 3.902 min Scan# 890  
Delta R.T. 0.003 min  
Lab File: VV029869.D  
Acq: 16 Jan 2023 11:54

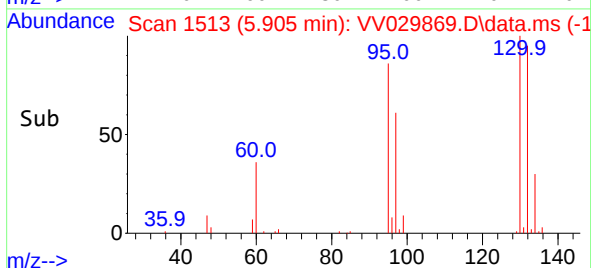
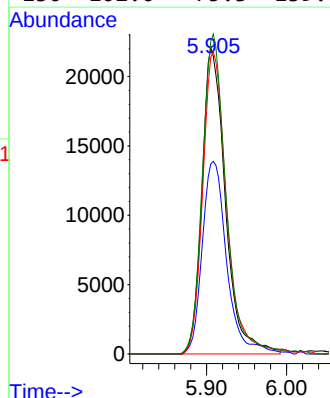
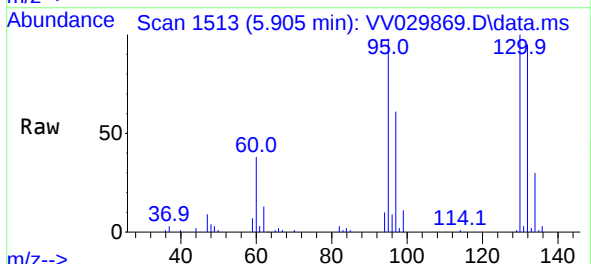
Instrument :  
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ClientSampleId :  
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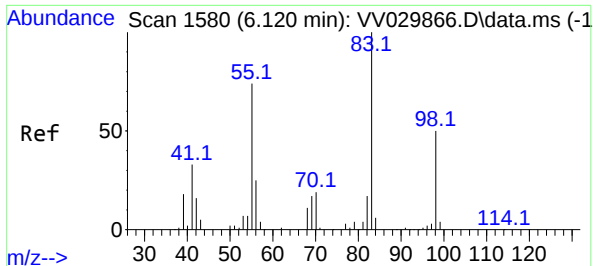
Tgt Ion: 96 Resp: 198425  
Ion Ratio Lower Upper  
96 100  
61 117.2 80.0 148.6  
68 0.0 0.0 0.0



#34  
Trichloroethene  
Concen: 2.521 ug/L  
RT: 5.905 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VV029869.D  
Acq: 16 Jan 2023 11:54

Tgt Ion: 95 Resp: 44869  
Ion Ratio Lower Upper  
95 100  
97 62.0 44.9 83.3  
132 96.8 71.8 133.4  
130 102.0 75.3 139.8





#35

Methylcyclohexane

Concen: 0.792 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. -0.061 min

Lab File: VV029869.D

Acq: 16 Jan 2023 11:54

Instrument :

MSVOA\_V

ClientSampleId :

BGJB5

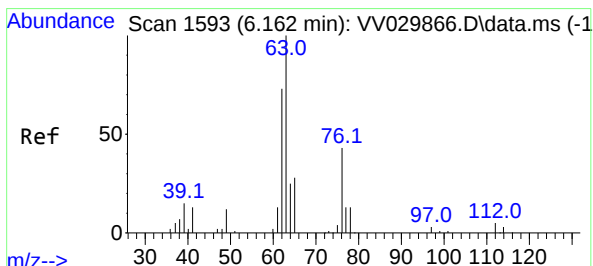
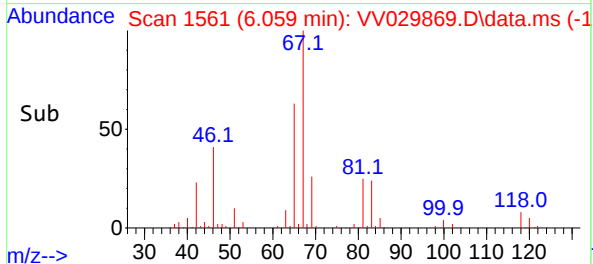
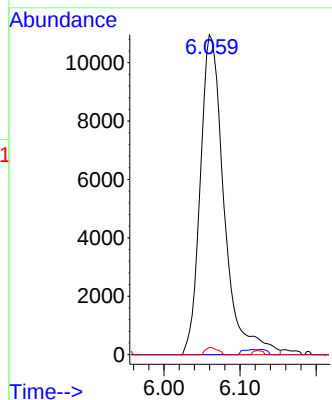
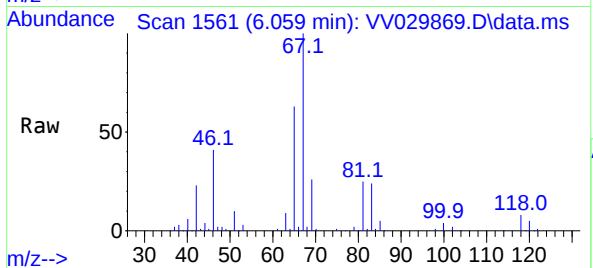
Tgt Ion: 83 Resp: 23792

Ion Ratio Lower Upper

83 100

55 0.0 57.3 85.9#

98 1.2 39.0 58.6#



#37

1,2-Dichloropropane

Concen: 0.578 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.100 min

Lab File: VV029869.D

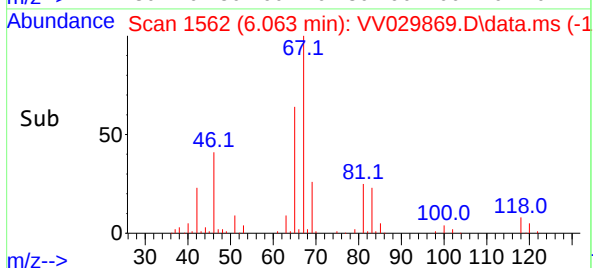
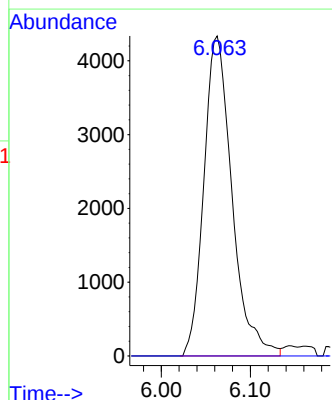
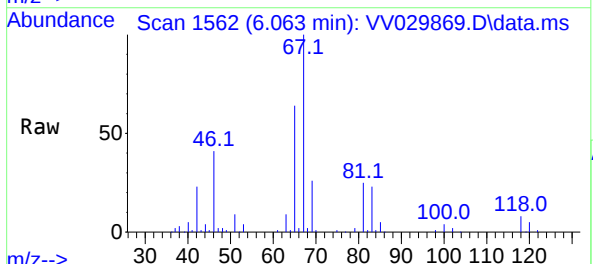
Acq: 16 Jan 2023 11:54

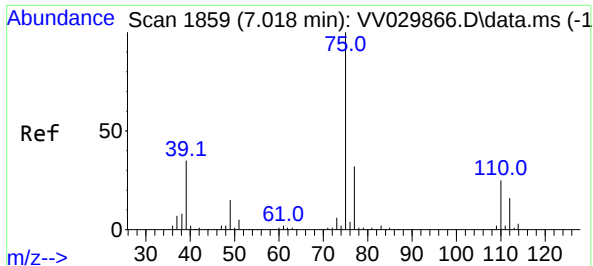
Tgt Ion: 63 Resp: 9510

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#





#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 6.979 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV029869.D

Acq: 16 Jan 2023 11:54

Instrument :

MSVOA\_V

ClientSampleId :

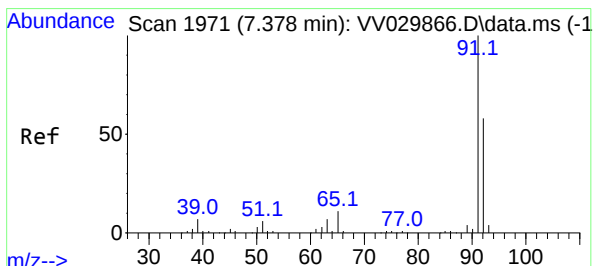
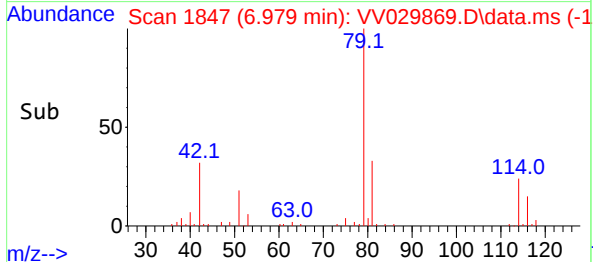
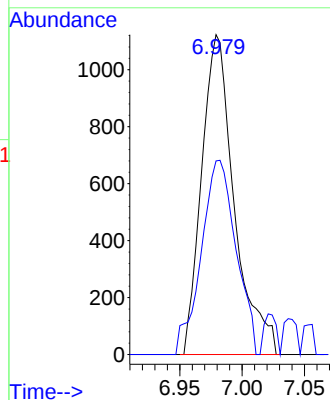
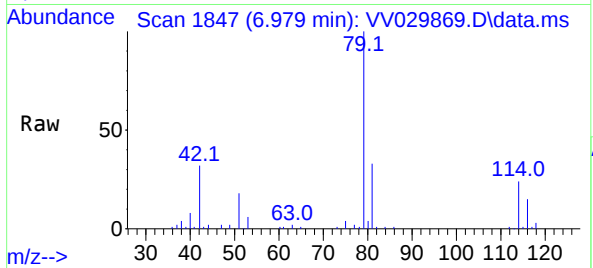
BGJB5

Tgt Ion: 75 Resp: 2042

Ion Ratio Lower Upper

75 100

77 60.6 22.4 41.6#



#42

Toluene

Concen: 0.260 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.006 min

Lab File: VV029869.D

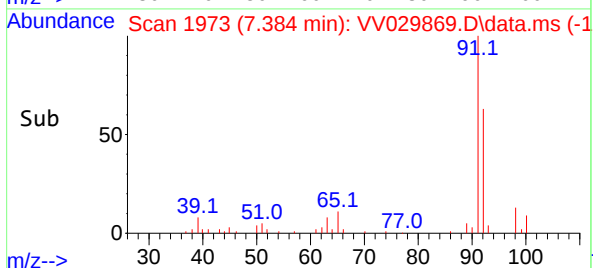
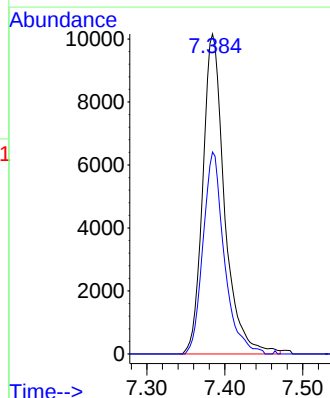
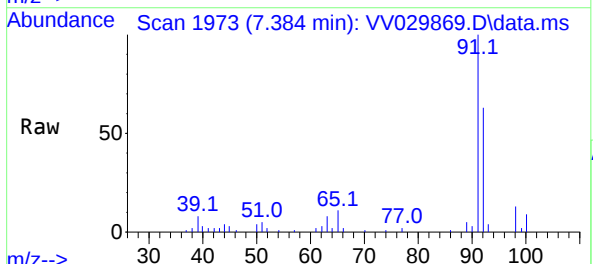
Acq: 16 Jan 2023 11:54

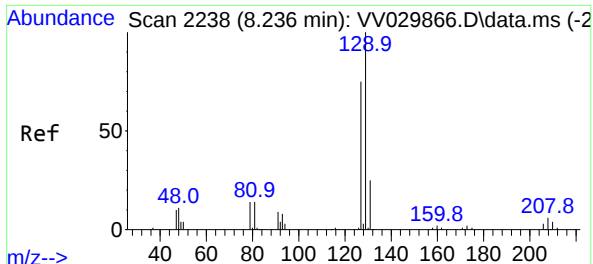
Tgt Ion: 91 Resp: 19675

Ion Ratio Lower Upper

91 100

92 63.1 40.6 75.4





#49

Dibromochloromethane

Concen: 0.029 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.264 min

Lab File: VV029869.D

Acq: 16 Jan 2023 11:54

Instrument :

MSVOA\_V

ClientSampleId :

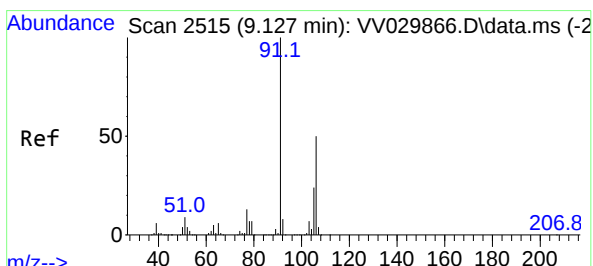
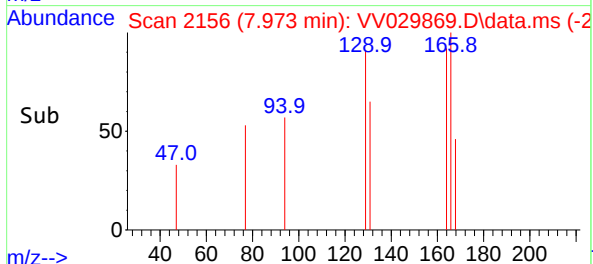
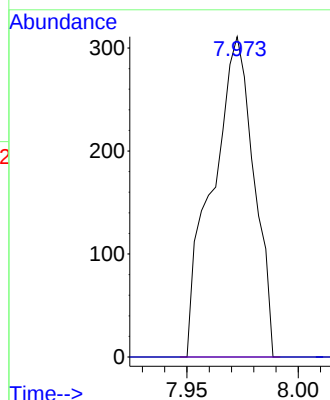
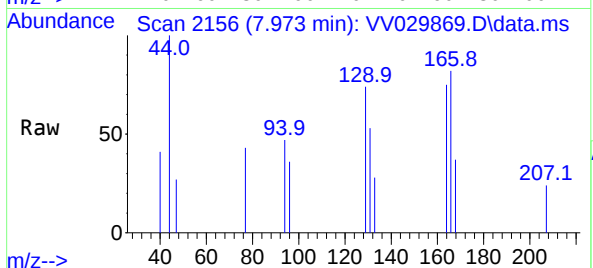
BGJB5

Tgt Ion:129 Resp: 405

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



#53

m,p-Xylene

Concen: 0.050 ug/L

RT: 9.133 min Scan# 2517

Delta R.T. 0.003 min

Lab File: VV029869.D

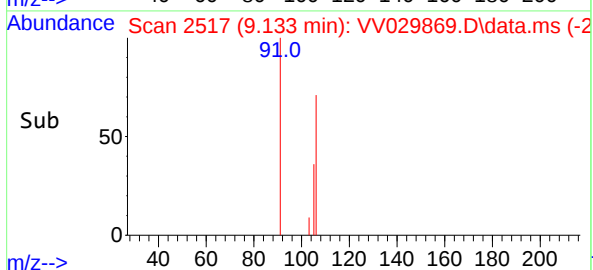
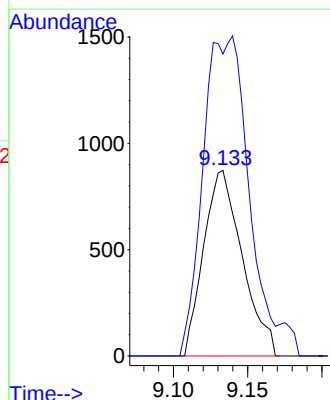
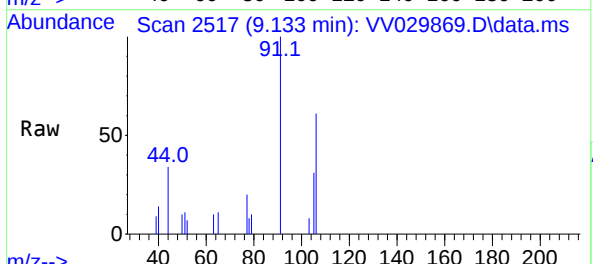
Acq: 16 Jan 2023 11:54

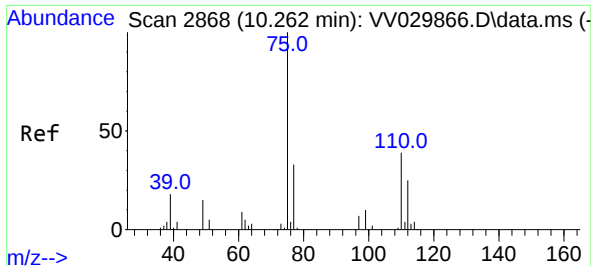
Tgt Ion:106 Resp: 1577

Ion Ratio Lower Upper

106 100

91 162.7 138.7 257.7

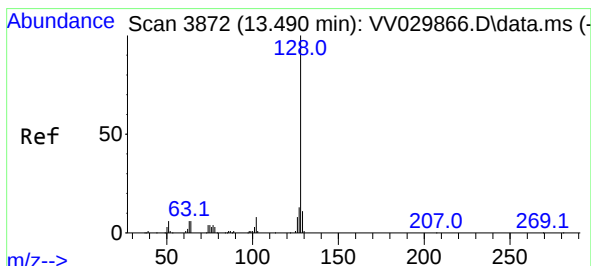
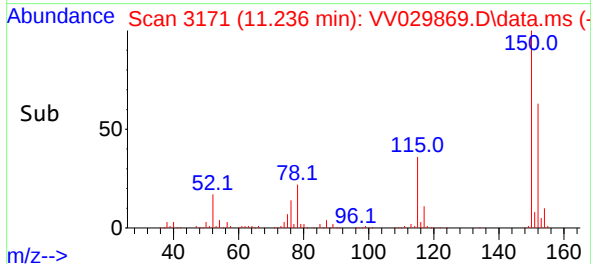
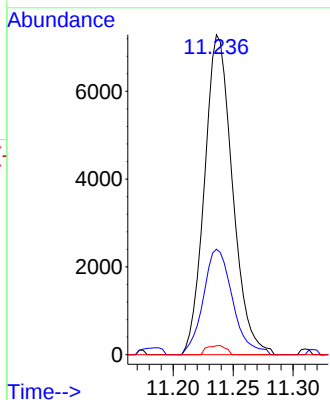
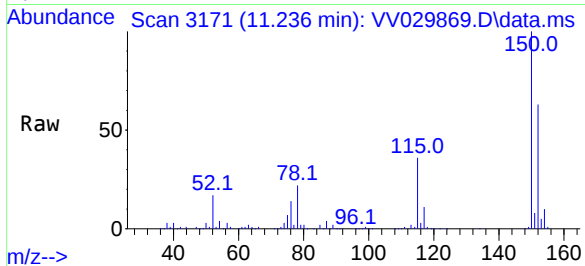




#61  
1,2,3-Trichloropropane  
Concen: 1.491 ug/L  
RT: 11.236 min Scan# 311  
Delta R.T. 0.974 min  
Lab File: VV029869.D  
Acq: 16 Jan 2023 11:54

Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJB5

Tgt Ion: 75 Resp: 11833  
Ion Ratio Lower Upper  
75 100  
77 34.5 26.5 39.7  
110 2.0 31.8 47.8#



#71  
Naphthalene  
Concen: 0.069 ug/L  
RT: 13.493 min Scan# 3873  
Delta R.T. 0.003 min  
Lab File: VV029869.D  
Acq: 16 Jan 2023 11:54

Tgt Ion: 128 Resp: 1969  
Ion Ratio Lower Upper  
128 100  
129 6.7 8.6 12.8#  
127 15.2 10.0 15.0#

