

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW011323\  
 Data File : VW029810.D  
 Acq On : 13 Jan 2023 15:55  
 Operator : SY/MD  
 Sample : 01138-03  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH1W6

Quant Time: Jan 13 22:52:03 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   | 190542   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.844  | 117   | 186805   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239 | 152   | 98295    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 67017    | 4.637    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 92.800%  |
| 7) Chloroethane-d5            | 1.564  | 69    | 61060    | 5.097    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 102.000% |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 99000    | 3.758    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 75.200%  |
| 20) 2-Butanone-d5             | 3.883  | 46    | 119682   | 46.722   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 93.440%  |
| 24) Chloroform-d              | 4.339  | 84    | 135046   | 5.094    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.800% |
| 26) 1,2-Dichloroethane-d4     | 5.024  | 65    | 60156    | 5.358    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 107.200% |
| 32) Benzene-d6                | 5.043  | 84    | 279118   | 5.037    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.800% |
| 36) 1,2-Dichloropropane-d6    | 6.063  | 67    | 85830    | 5.293    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 105.800% |
| 41) Toluene-d8                | 7.307  | 98    | 243362   | 4.744    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.800%  |
| 43) trans-1,3-Dichloroprop... | 7.616  | 79    | 25898    | 4.373    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 87.400%  |
| 46) 2-Hexanone-d5             | 8.085  | 63    | 111869   | 46.395   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 92.780%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207 | 84    | 61223    | 5.152    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.000% |
| 66) 1,2-Dichlorobenzene-d4    | 11.612 | 152   | 95943    | 5.369    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 107.400% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.240  | 50    | 1502     | 0.080    | ug/L   | 96       |
| 5) Vinyl chloride             | 1.307  | 62    | 3742     | 0.204    | ug/L # | 43       |
| 12) 1,1-Dichloroethene        | 2.117  | 96    | 19290    | 1.186    | ug/L # | 34       |
| 13) Acetone                   | 2.175  | 43    | 32342    | 17.690   | ug/L   | 83       |
| 14) Carbon disulfide          | 2.294  | 76    | 6949     | 0.148    | ug/L # | 94       |
| 15) Methyl Acetate            | 2.175  | 43    | 28775    | 6.044    | ug/L # | 45       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73    | 3172     | 0.113    | ug/L # | 93       |
| 19) 1,1-Dichloroethane        | 3.185  | 63    | 21237    | 0.839    | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96    | 18801    | 1.167    | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 4.600  | 97    | 2255     | 0.093    | ug/L # | 76       |
| 34) Trichloroethene           | 5.905  | 95    | 128764   | 8.227    | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.063  | 83    | 20714    | 0.784    | ug/L # | 21       |
| 39) cis-1,3-Dichloropropene   | 6.979  | 75    | 1777     | 0.092    | ug/L # | 51       |
| 42) Toluene                   | 7.384  | 91    | 19901    | 0.299    | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 7.616  | 75    | 1199     | 0.077    | ug/L # | 59       |
| 47) Tetrachloroethene         | 7.976  | 164   | 1402     | 0.106    | ug/L   | 83       |
| 49) Dibromochloromethane      | 7.973  | 129   | 1176     | 0.096    | ug/L # | 11       |
| 53) m,p-Xylene                | 9.133  | 106   | 2244     | 0.081    | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 11.236 | 75    | 11366    | 1.562    | ug/L # | 66       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV011323\  
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Operator : SY/MD  
Sample : 01138-03  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BH1W6

Quant Time: Jan 13 22:52:03 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

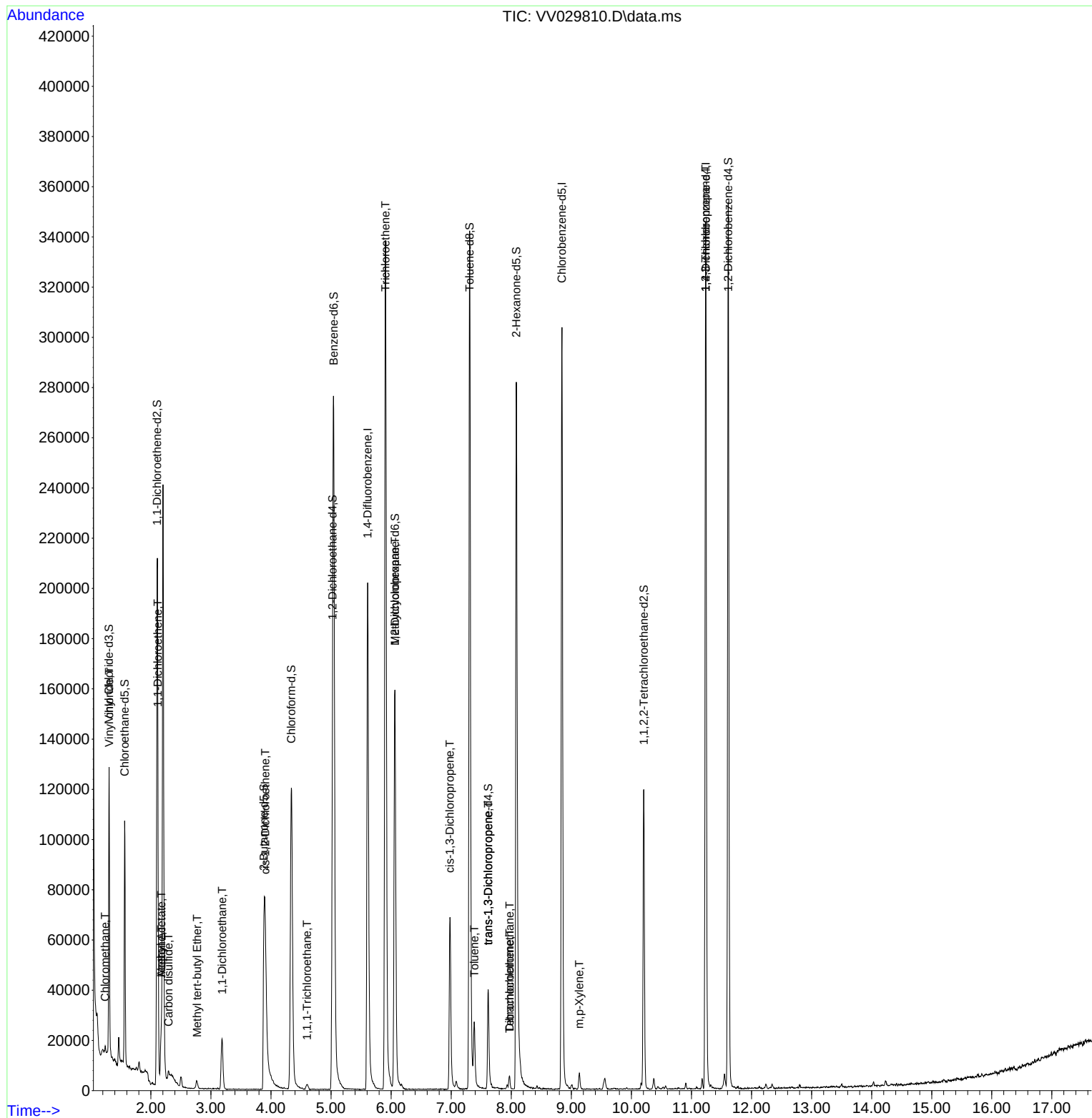
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
| -----    |      |      |          |      |       |          |
| -----    |      |      |          |      |       |          |

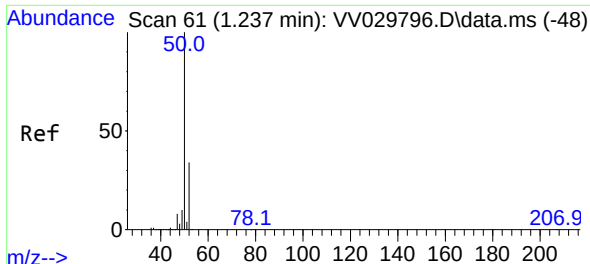
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV011323\  
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Quant Time: Jan 13 22:52:03 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011223WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Jan 12 22:05:54 2023  
Response via : Initial Calibration

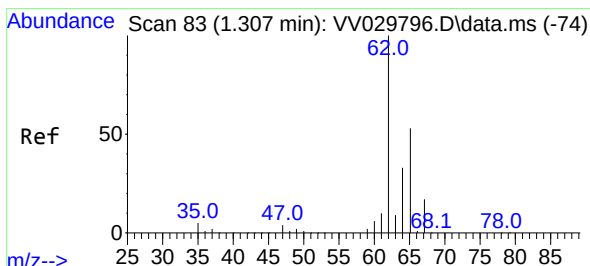
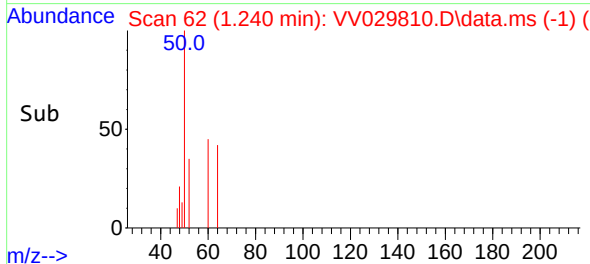
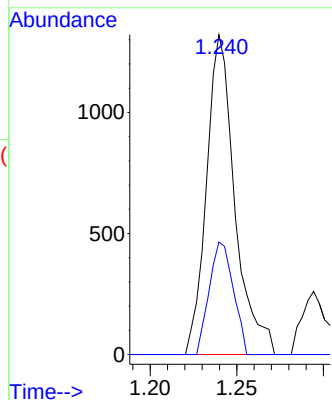
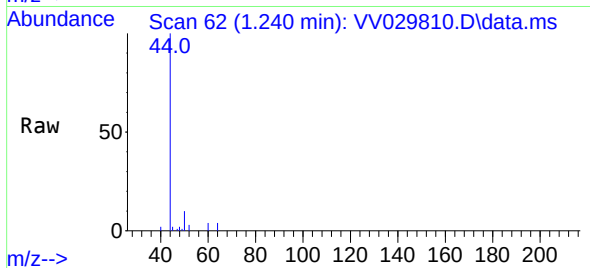




#3  
Chloromethane  
Concen: 0.080 ug/L  
RT: 1.240 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VV029810.D  
Acq: 13 Jan 2023 15:55

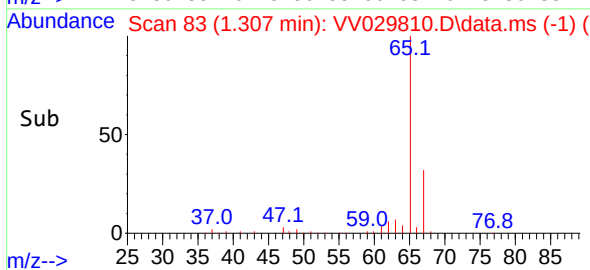
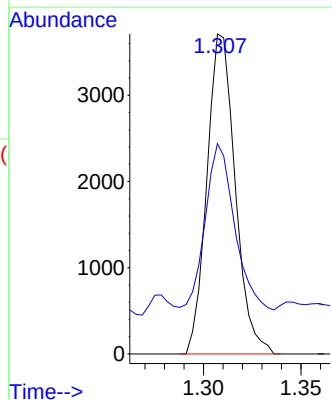
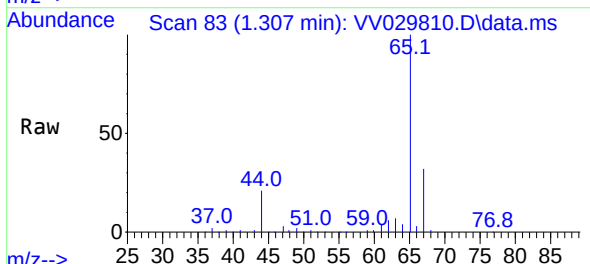
Instrument :  
MSVOA\_V  
ClientSampleId :  
BH1W6

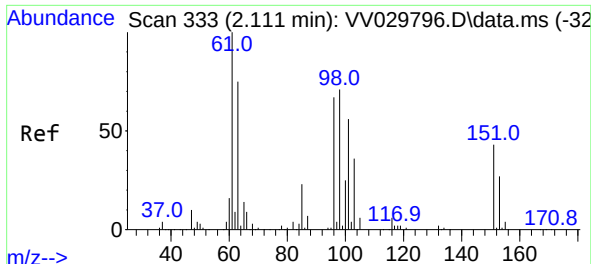
Tgt Ion: 50 Resp: 1502  
Ion Ratio Lower Upper  
50 100  
52 35.2 23.1 42.9



#5  
Vinyl chloride  
Concen: 0.204 ug/L  
RT: 1.307 min Scan# 83  
Delta R.T. 0.003 min  
Lab File: VV029810.D  
Acq: 13 Jan 2023 15:55

Tgt Ion: 62 Resp: 3742  
Ion Ratio Lower Upper  
62 100  
64 65.7 23.2 43.2#





#12

1,1-Dichloroethene

Concen: 1.186 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV029810.D

Acq: 13 Jan 2023 15:55

Instrument :

MSVOA\_V

ClientSampleId :

BH1W6

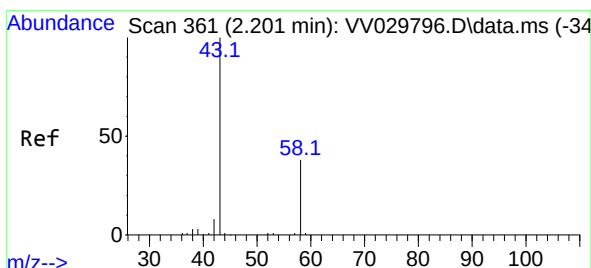
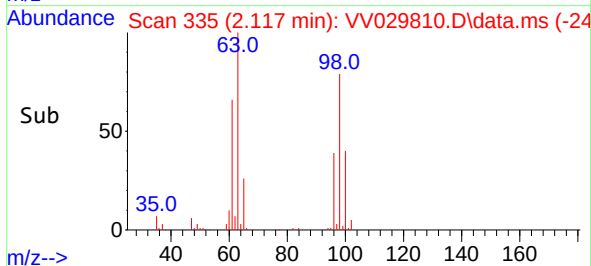
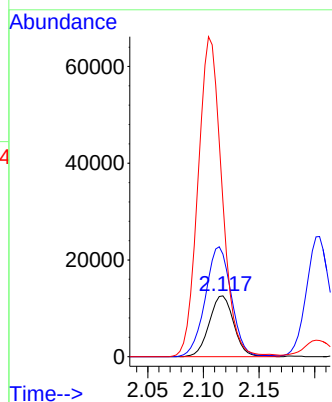
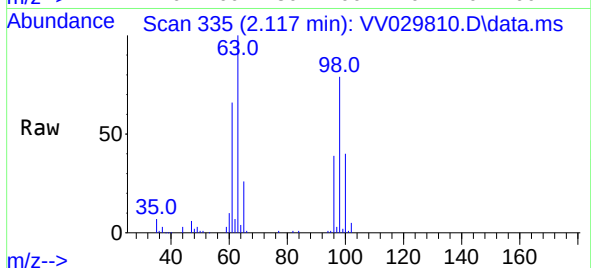
Tgt Ion: 96 Resp: 19290

Ion Ratio Lower Upper

96 100

61 168.6 106.1 197.1

63 255.5 76.4 141.8#



#13

Acetone

Concen: 17.690 ug/L

RT: 2.175 min Scan# 353

Delta R.T. -0.023 min

Lab File: VV029810.D

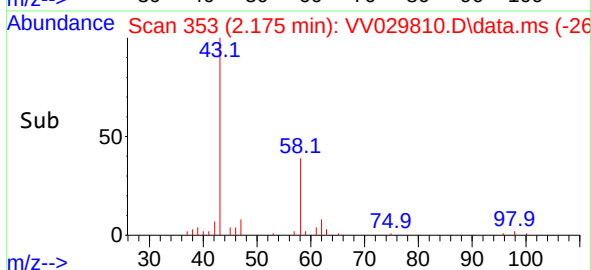
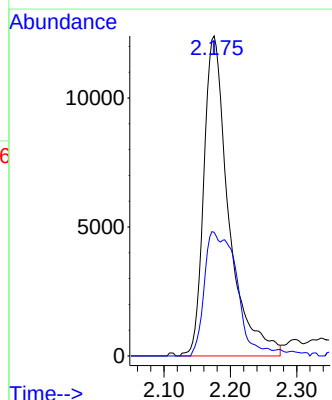
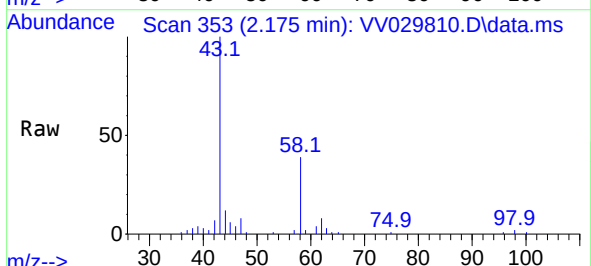
Acq: 13 Jan 2023 15:55

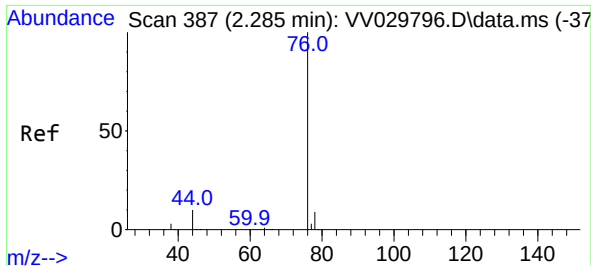
Tgt Ion: 43 Resp: 32342

Ion Ratio Lower Upper

43 100

58 24.6 0.0 68.8





#14

Carbon disulfide

Concen: 0.148 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.010 min

Lab File: VV029810.D

Acq: 13 Jan 2023 15:55

Instrument :

MSVOA\_V

ClientSampleId :

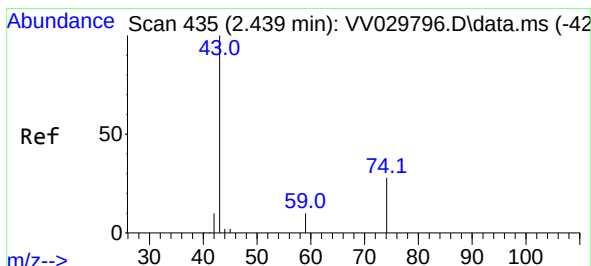
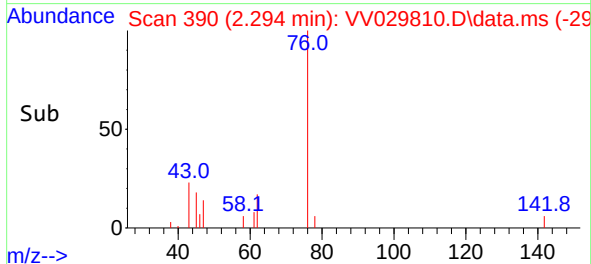
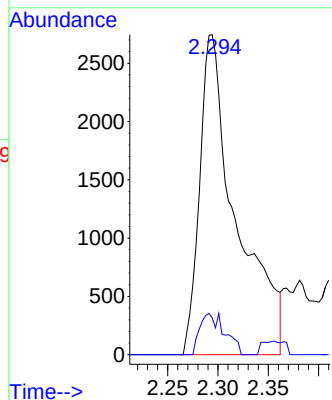
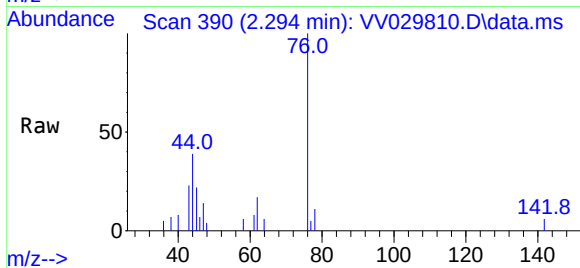
BH1W6

Tgt Ion: 76 Resp: 6949

Ion Ratio Lower Upper

76 100

78 11.4 7.4 11.0#



#15

Methyl Acetate

Concen: 6.044 ug/L

RT: 2.175 min Scan# 353

Delta R.T. -0.261 min

Lab File: VV029810.D

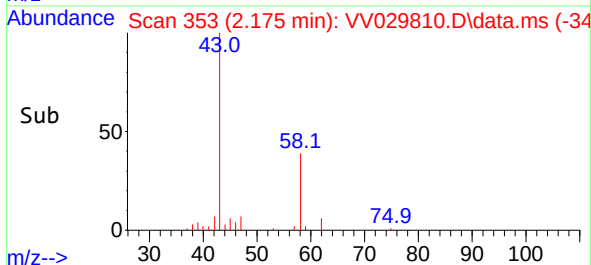
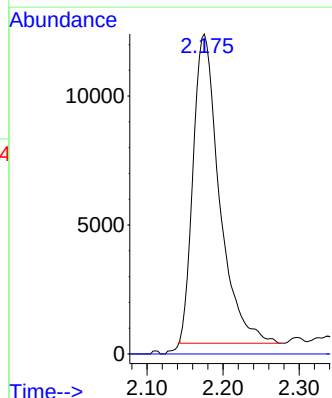
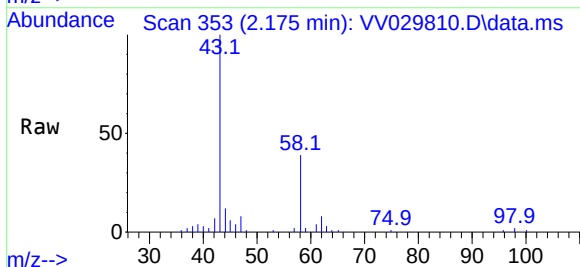
Acq: 13 Jan 2023 15:55

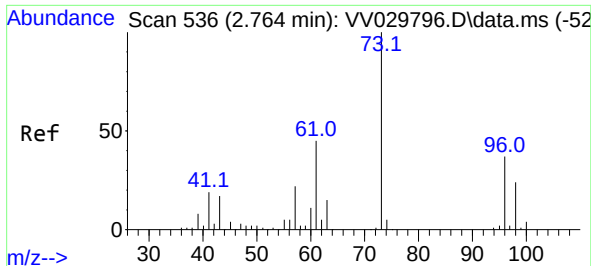
Tgt Ion: 43 Resp: 28775

Ion Ratio Lower Upper

43 100

74 0.0 23.4 35.0#

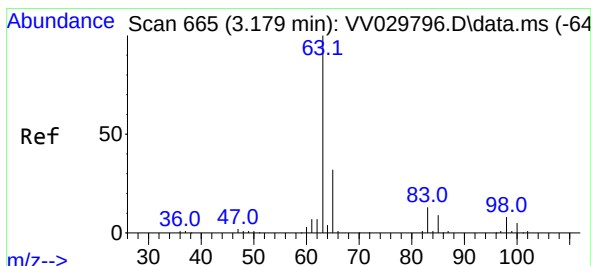
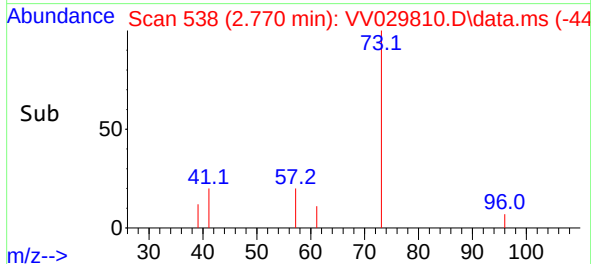
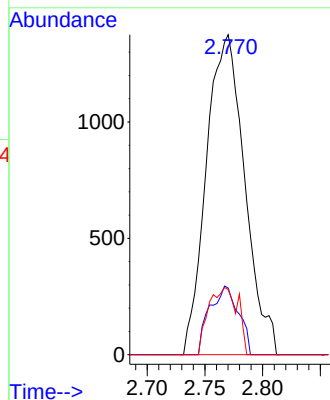
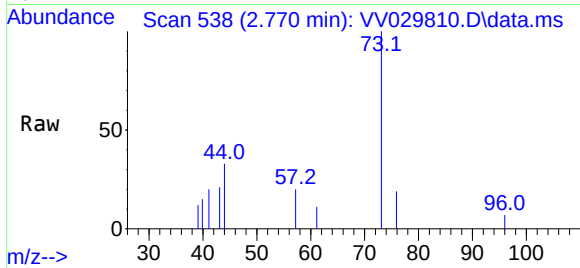




#17  
Methyl tert-butyl Ether  
Concen: 0.113 ug/L  
RT: 2.770 min Scan# 51  
Delta R.T. 0.010 min  
Lab File: VV029810.D  
Acq: 13 Jan 2023 15:55

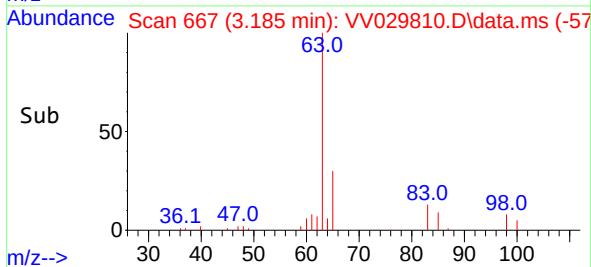
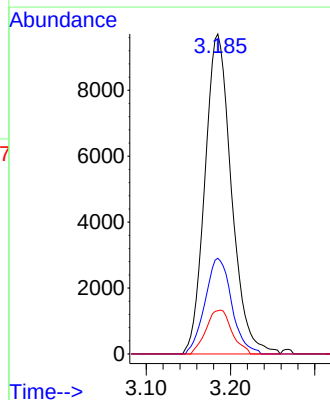
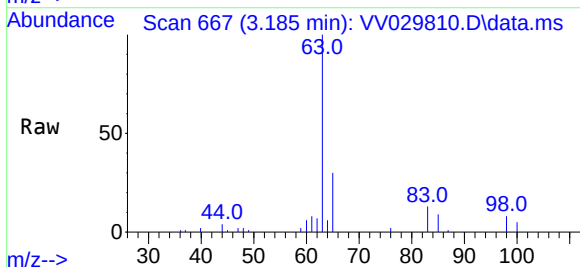
Instrument :  
MSVOA\_V  
ClientSampleId :  
BH1W6

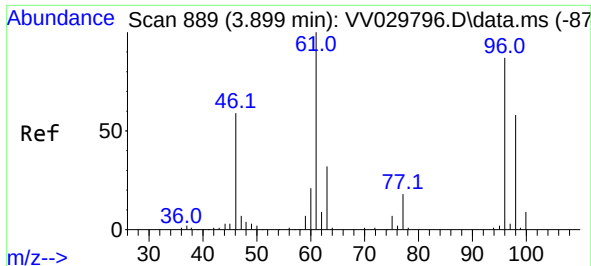
Tgt Ion: 73 Resp: 3172  
Ion Ratio Lower Upper  
73 100  
43 16.1 13.0 19.4  
57 16.0 17.1 25.7#



#19  
1,1-Dichloroethane  
Concen: 0.839 ug/L  
RT: 3.185 min Scan# 667  
Delta R.T. 0.006 min  
Lab File: VV029810.D  
Acq: 13 Jan 2023 15:55

Tgt Ion: 63 Resp: 21237  
Ion Ratio Lower Upper  
63 100  
65 29.9 22.4 41.6  
83 13.5 10.2 19.0

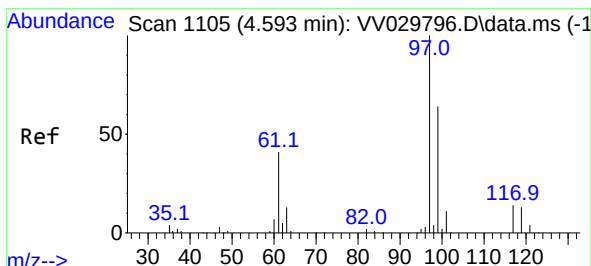
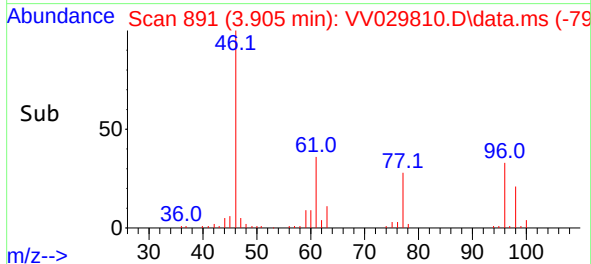
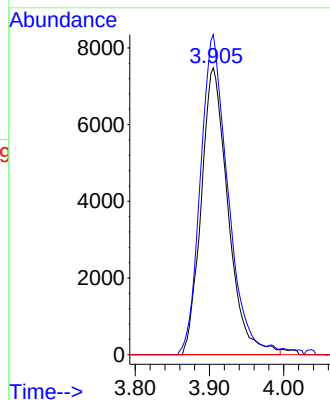
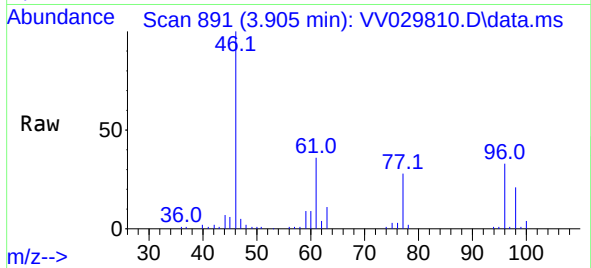




#22  
 cis-1,2-Dichloroethene  
 Concen: 1.167 ug/L  
 RT: 3.905 min Scan# 891  
 Delta R.T. 0.006 min  
 Lab File: VV029810.D  
 Acq: 13 Jan 2023 15:55

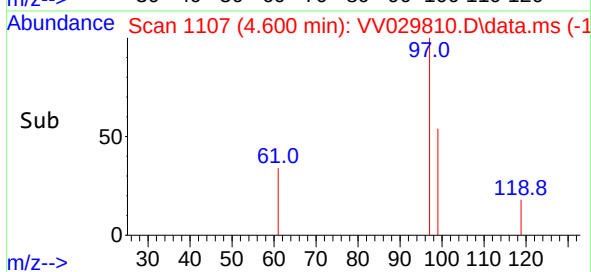
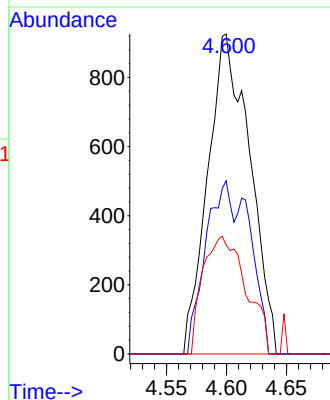
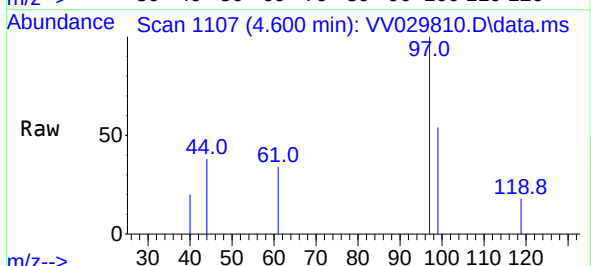
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH1W6

Tgt Ion: 96 Resp: 18801  
 Ion Ratio Lower Upper  
 96 100  
 61 111.6 80.0 148.6  
 68 0.0 0.0 0.0

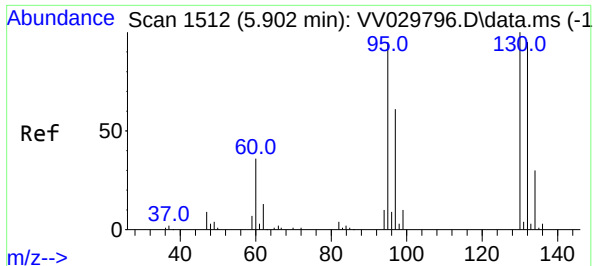


#29  
 1,1,1-Trichloroethane  
 Concen: 0.093 ug/L  
 RT: 4.600 min Scan# 1107  
 Delta R.T. 0.003 min  
 Lab File: VV029810.D  
 Acq: 13 Jan 2023 15:55

Tgt Ion: 97 Resp: 2255  
 Ion Ratio Lower Upper  
 97 100  
 99 35.1 51.3 76.9#  
 61 38.0 31.6 47.4



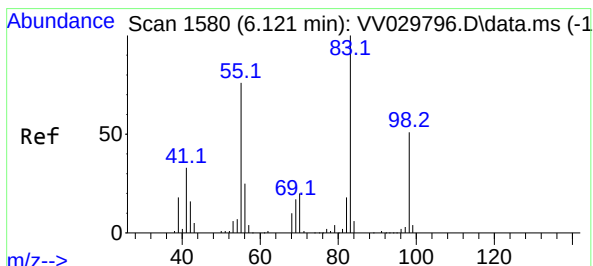
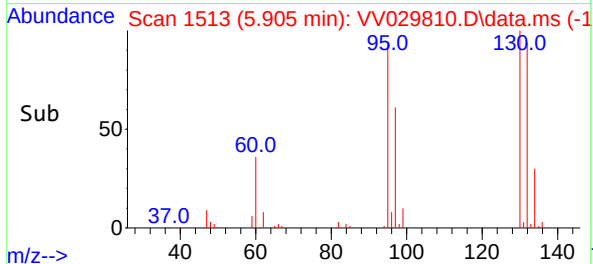
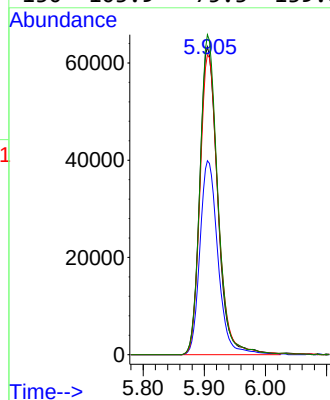
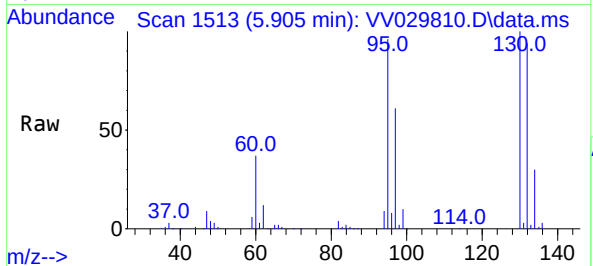




#34  
Trichloroethene  
Concen: 8.227 ug/L  
RT: 5.905 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV029810.D  
Acq: 13 Jan 2023 15:55

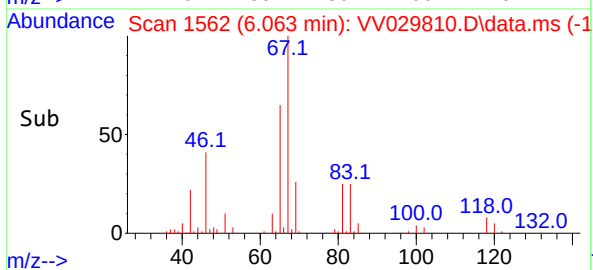
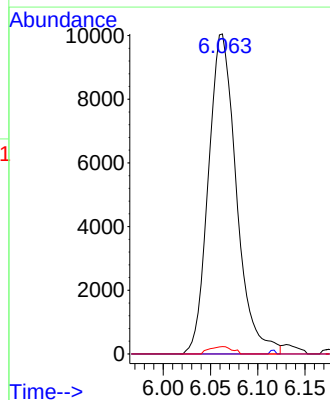
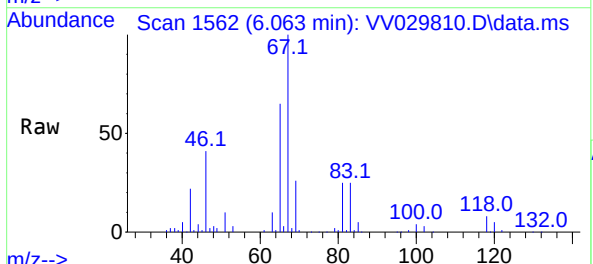
Instrument :  
MSVOA\_V  
ClientSampleId :  
BH1W6

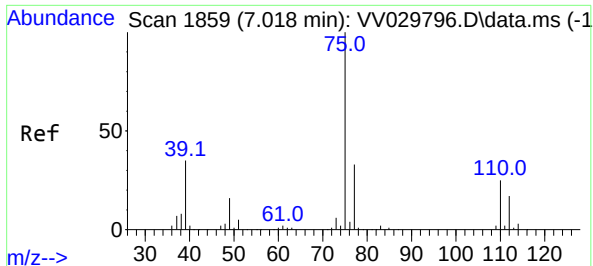
Tgt Ion: 95 Resp: 128764  
Ion Ratio Lower Upper  
95 100  
97 63.0 44.9 83.3  
132 97.4 71.8 133.4  
130 103.9 75.3 139.8



#35  
Methylcyclohexane  
Concen: 0.784 ug/L  
RT: 6.063 min Scan# 1562  
Delta R.T. -0.058 min  
Lab File: VV029810.D  
Acq: 13 Jan 2023 15:55

Tgt Ion: 83 Resp: 20714  
Ion Ratio Lower Upper  
83 100  
55 0.2 57.3 85.9#  
98 1.9 39.0 58.6#





#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 6.979 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV029810.D

Acq: 13 Jan 2023 15:55

Instrument :

MSVOA\_V

ClientSampleId :

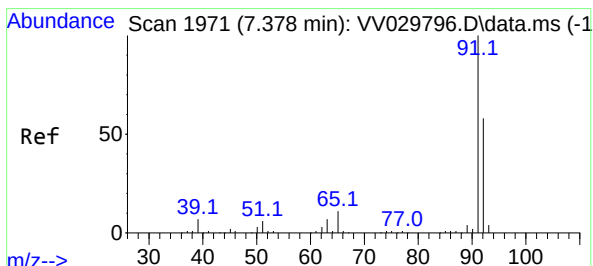
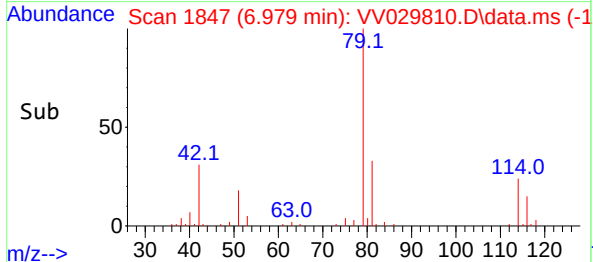
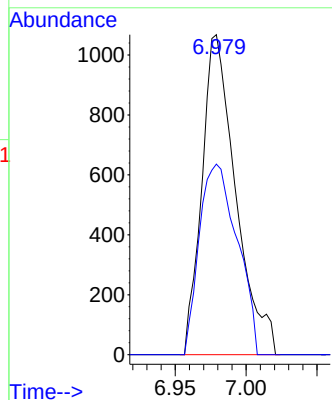
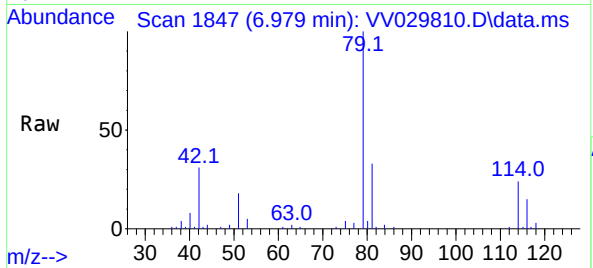
BH1W6

Tgt Ion: 75 Resp: 1777

Ion Ratio Lower Upper

75 100

77 59.6 22.4 41.6#



#42

Toluene

Concen: 0.299 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.006 min

Lab File: VV029810.D

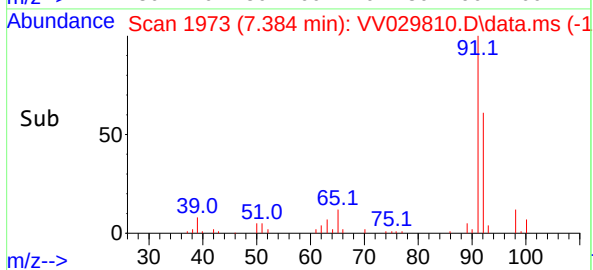
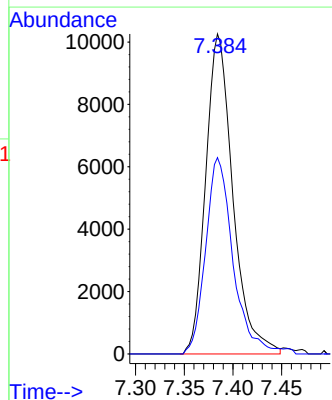
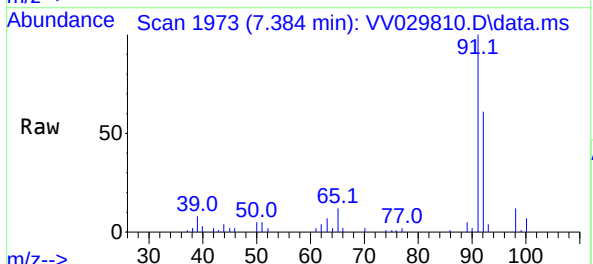
Acq: 13 Jan 2023 15:55

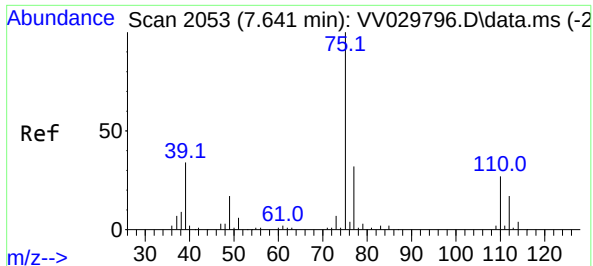
Tgt Ion: 91 Resp: 19901

Ion Ratio Lower Upper

91 100

92 61.3 40.6 75.4

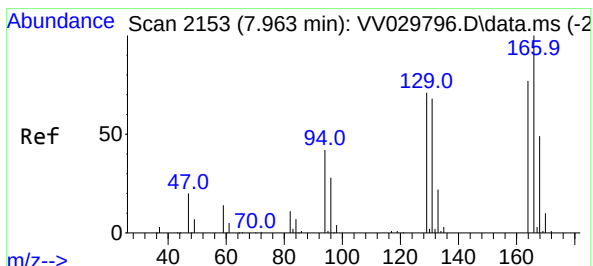
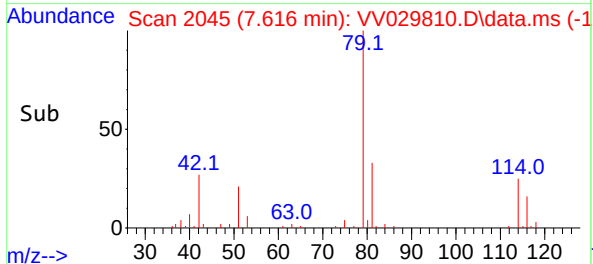
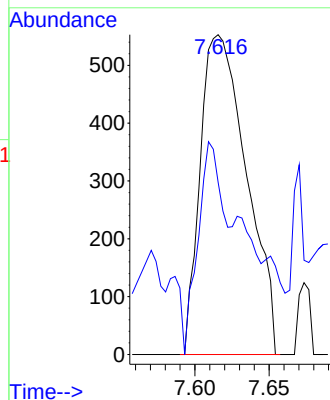
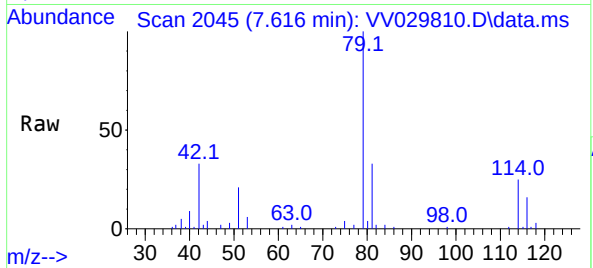




#44  
trans-1,3-Dichloropropene  
Concen: 0.077 ug/L  
RT: 7.616 min Scan# 2045  
Delta R.T. -0.026 min  
Lab File: VV029810.D  
Acq: 13 Jan 2023 15:55

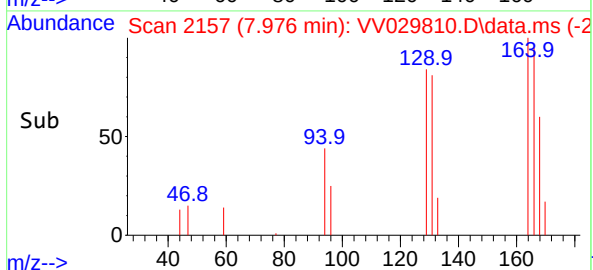
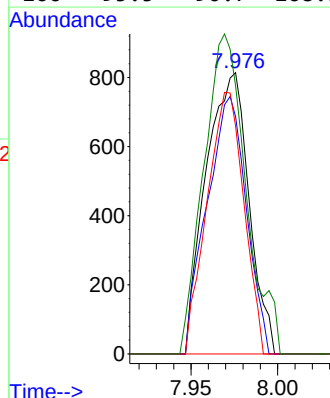
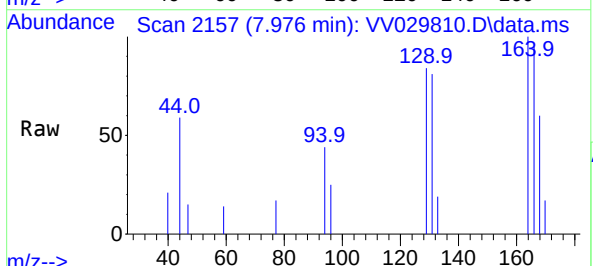
Instrument : MSVOA\_V  
ClientSampleId : BH1W6

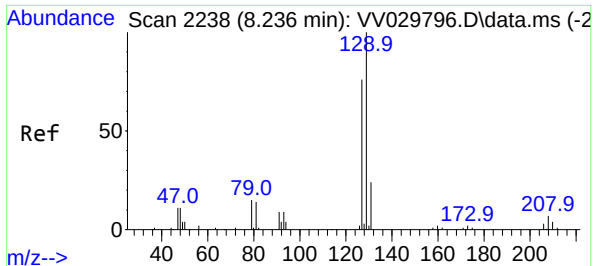
Tgt Ion: 75 Resp: 1199  
Ion Ratio Lower Upper  
75 100  
77 53.9 21.9 40.7#



#47  
Tetrachloroethene  
Concen: 0.106 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. 0.010 min  
Lab File: VV029810.D  
Acq: 13 Jan 2023 15:55

Tgt Ion:164 Resp: 1402  
Ion Ratio Lower Upper  
164 100  
129 84.4 64.5 119.7  
131 81.1 62.9 116.7  
166 95.5 90.7 168.5





#49

Dibromochloromethane

Concen: 0.096 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.264 min

Lab File: VV029810.D

Acq: 13 Jan 2023 15:55

Instrument :

MSVOA\_V

ClientSampleId :

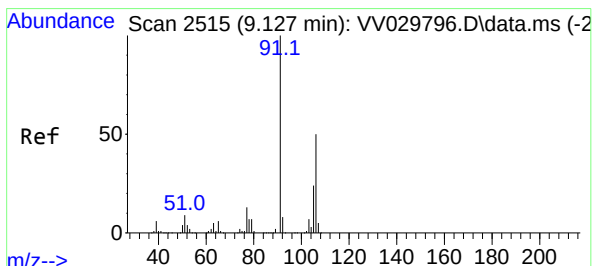
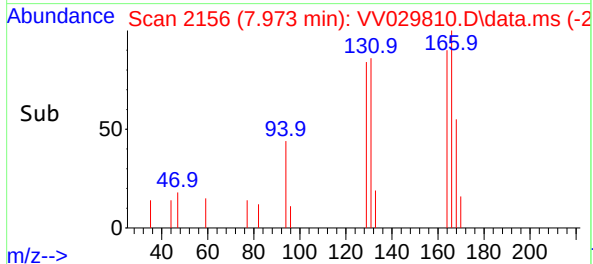
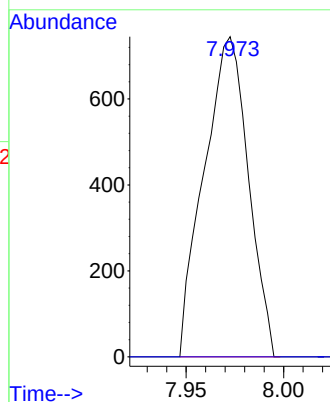
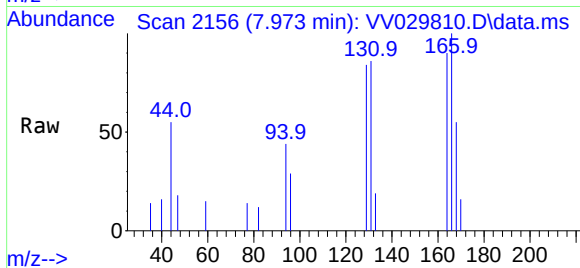
BH1W6

Tgt Ion:129 Resp: 1176

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



#53

m,p-Xylene

Concen: 0.081 ug/L

RT: 9.133 min Scan# 2517

Delta R.T. 0.003 min

Lab File: VV029810.D

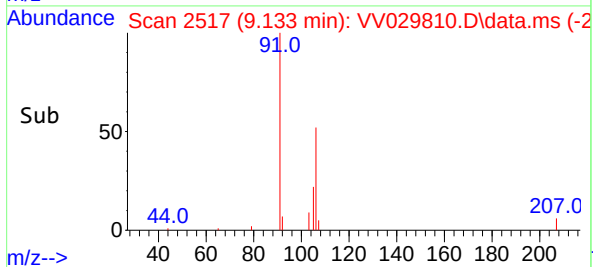
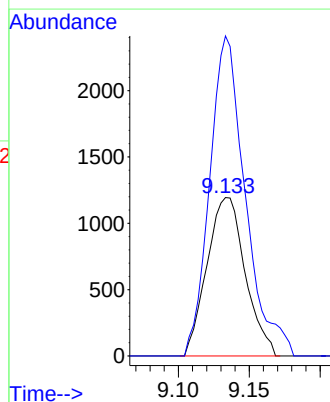
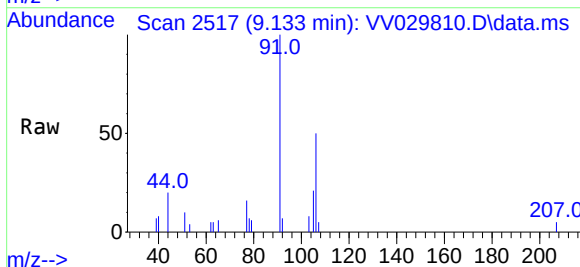
Acq: 13 Jan 2023 15:55

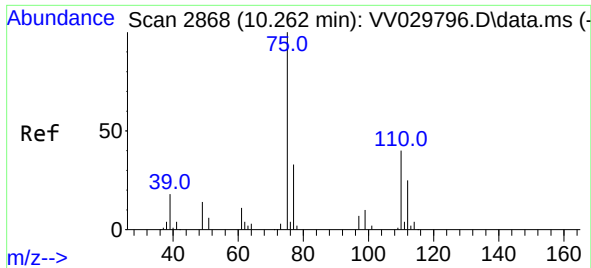
Tgt Ion:106 Resp: 2244

Ion Ratio Lower Upper

106 100

91 202.0 138.7 257.7





#61

1,2,3-Trichloropropane

Concen: 1.562 ug/L

RT: 11.236 min Scan# 31

Delta R.T. 0.974 min

Lab File: VV029810.D

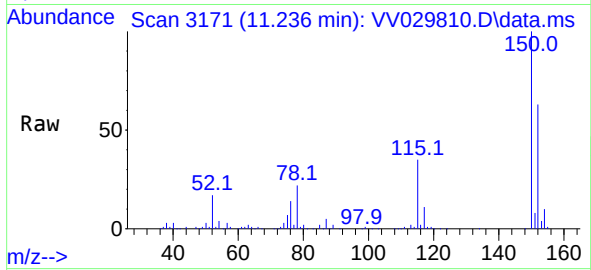
Acq: 13 Jan 2023 15:55

Instrument :

MSVOA\_V

ClientSampleId :

BH1W6



Tgt Ion: 75 Resp: 11366

Ion Ratio Lower Upper

75 100

77 33.3 26.5 39.7

110 2.0 31.8 47.8#

