

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW121521\  
 Data File : VW023995.D  
 Acq On : 15 Dec 2021 20:49  
 Operator : SY/MD  
 Sample : M5090-12  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3E2

Quant Time: Dec 16 04:53:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR121021WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 16 04:44:29 2021  
 Response via : Initial Calibration

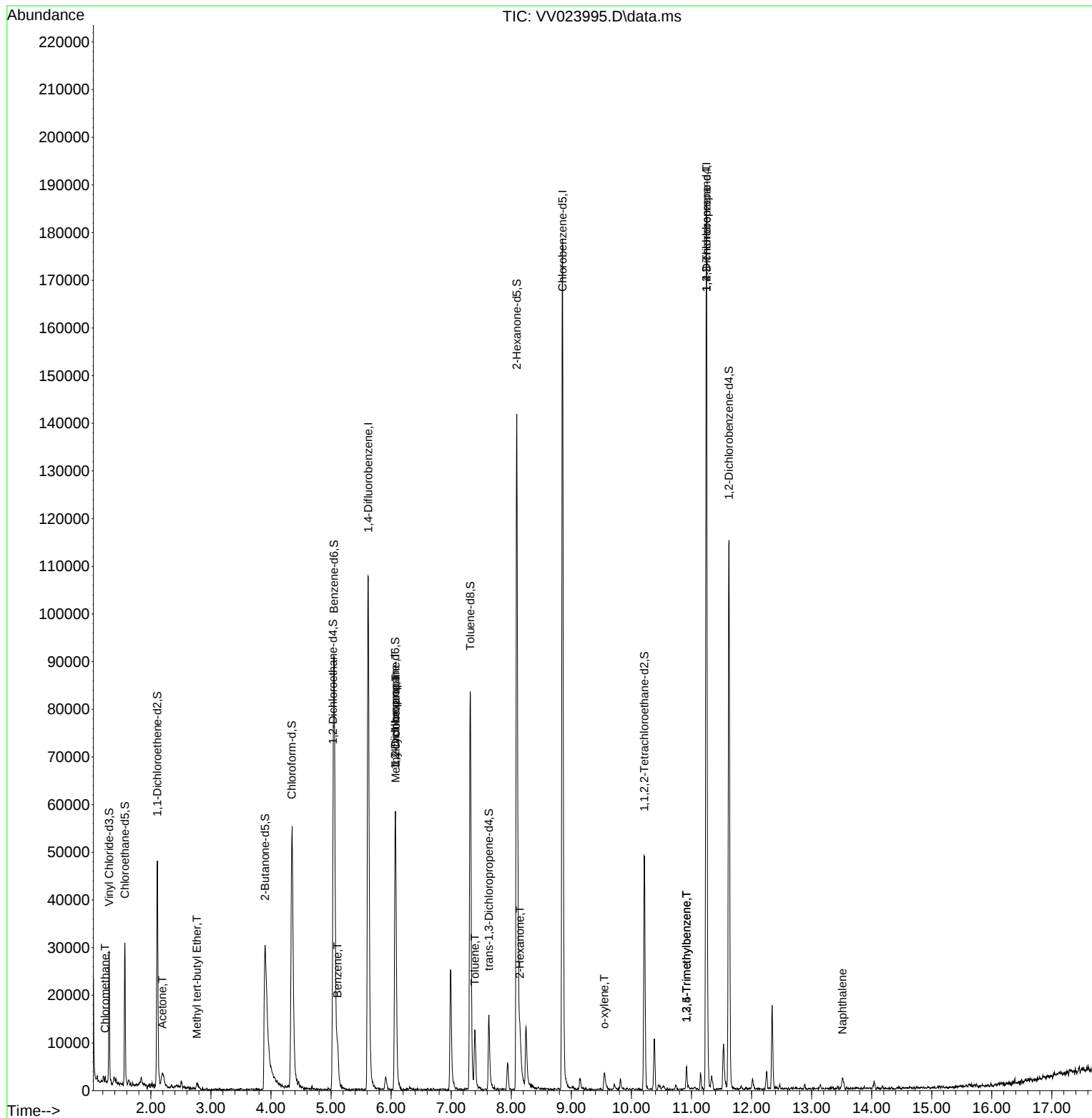
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 97684    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 102195   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 51067    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 15880    | 3.024    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 60.400%  |
| 7) Chloroethane-d5            | 1.567  | 69    | 17249    | 3.937    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 78.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 23696    | 2.312    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 46.200%# |
| 20) 2-Butanone-d5             | 3.902  | 46    | 63964    | 62.345   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 124.700% |
| 24) Chloroform-d              | 4.346  | 84    | 50911    | 4.280    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 25701    | 4.641    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.800%  |
| 32) Benzene-d6                | 5.050  | 84    | 79278    | 3.917    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 78.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 27093    | 4.437    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.800%  |
| 41) Toluene-d8                | 7.320  | 98    | 58405    | 3.205    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 64.200%# |
| 43) trans-1,3-Dichloroprop... | 7.628  | 79    | 9555     | 3.772    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 75.400%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 49861    | 43.965   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 87.920%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 23032    | 4.546    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 91.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 31227    | 4.578    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 91.600%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.240  | 50    | 456      | 0.063    | ug/L   | 99       |
| 13) Acetone                   | 2.191  | 43    | 5807     | 7.075    | ug/L   | 94       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 1069     | 0.072    | ug/L # | 79       |
| 33) Benzene                   | 5.108  | 78    | 9481     | 0.328    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.075  | 83    | 7230     | 0.602    | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.072  | 63    | 3331     | 0.485    | ug/L # | 84       |
| 42) Toluene                   | 7.394  | 91    | 9428     | 0.290    | ug/L   | 98       |
| 48) 2-Hexanone                | 8.143  | 43    | 4553     | 1.902    | ug/L # | 78       |
| 54) o-xylene                  | 9.551  | 106   | 918      | 0.070    | ug/L   | 92       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 5347     | 1.537    | ug/L # | 63       |
| 62) 1,3,5-Trimethylbenzene    | 10.918 | 105   | 2782     | 0.112    | ug/L   | 87       |
| 63) 1,2,4-Trimethylbenzene    | 10.918 | 105   | 2782     | 0.112    | ug/L   | 93       |
| 71) Naphthalene               | 13.512 | 128   | 1718     | 0.121    | ug/L # | 85       |
| -----                         |        |       |          |          |        |          |

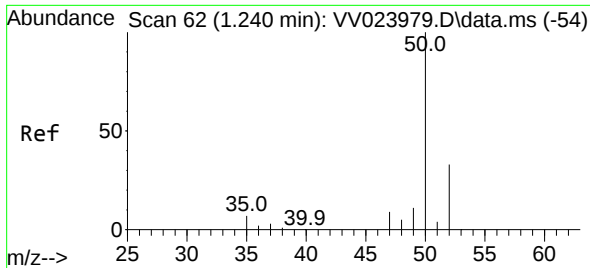
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV121521\  
Data File : VV023995.D  
Acq On : 15 Dec 2021 20:49  
Operator : SY/MD  
Sample : M5090-12  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3E2

Quant Time: Dec 16 04:53:03 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR121021WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Dec 16 04:44:29 2021  
Response via : Initial Calibration

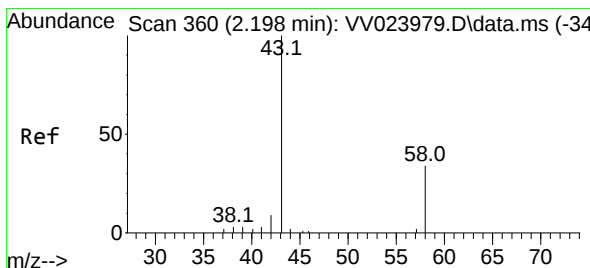
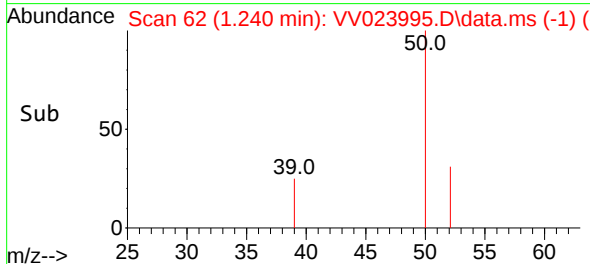
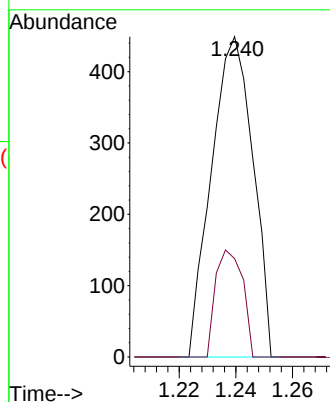
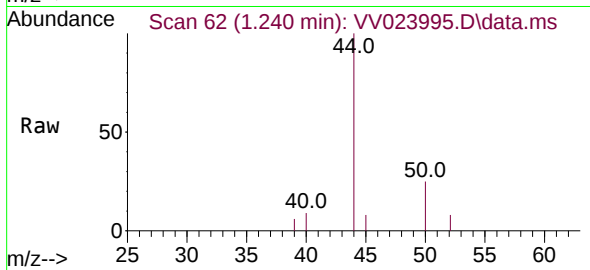




#3  
Chloromethane  
Concen: 0.063 ug/L  
RT: 1.240 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VV023995.D  
Acq: 15 Dec 2021 20:49

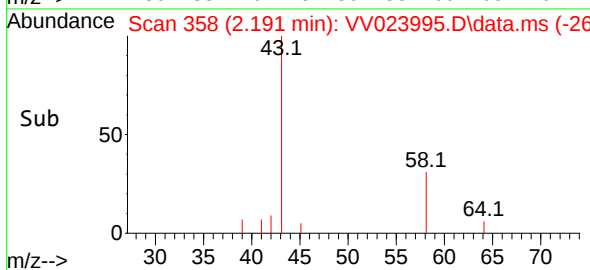
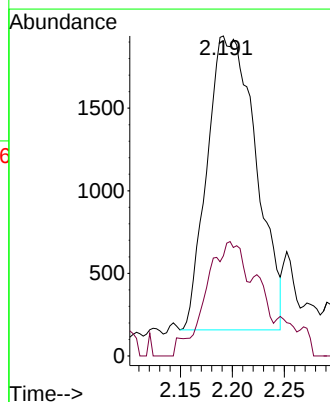
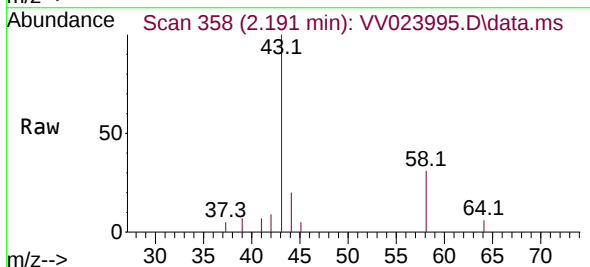
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3E2

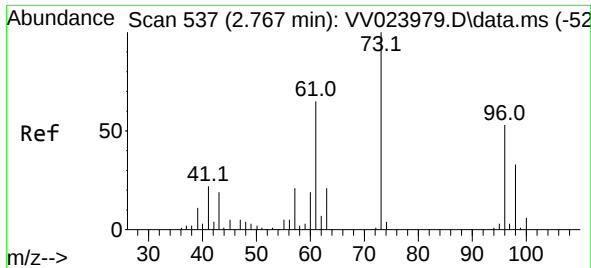
Tgt Ion: 50 Resp: 456  
Ion Ratio Lower Upper  
50 100  
52 30.7 22.0 41.0



#13  
Acetone  
Concen: 7.075 ug/L  
RT: 2.191 min Scan# 358  
Delta R.T. -0.007 min  
Lab File: VV023995.D  
Acq: 15 Dec 2021 20:49

Tgt Ion: 43 Resp: 5807  
Ion Ratio Lower Upper  
43 100  
58 23.5 0.0 41.4

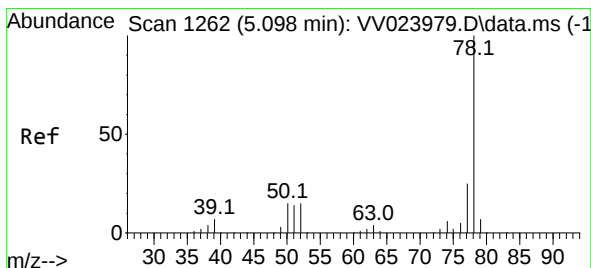
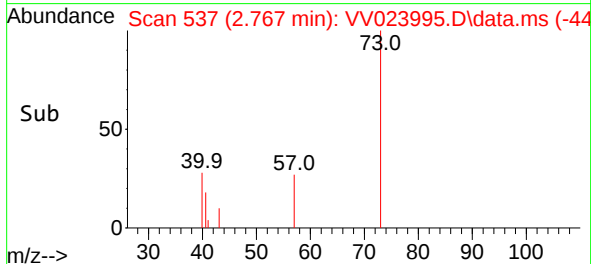
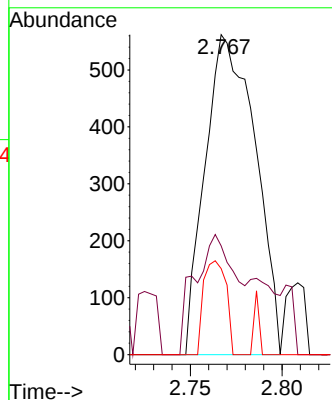
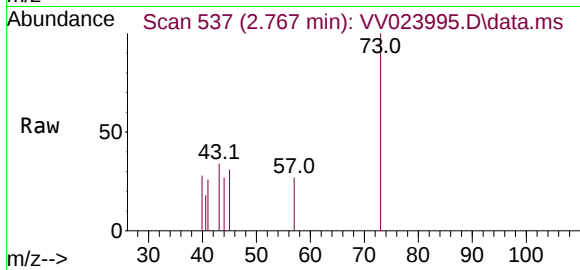




#17  
Methyl tert-butyl Ether  
Concen: 0.072 ug/L  
RT: 2.767 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VV023995.D  
Acq: 15 Dec 2021 20:49

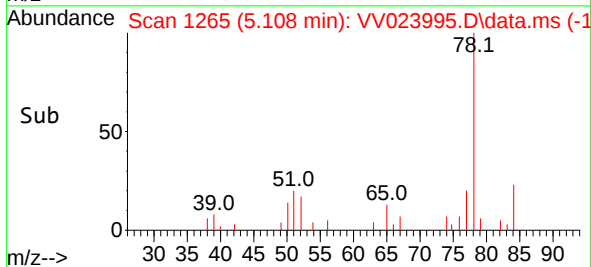
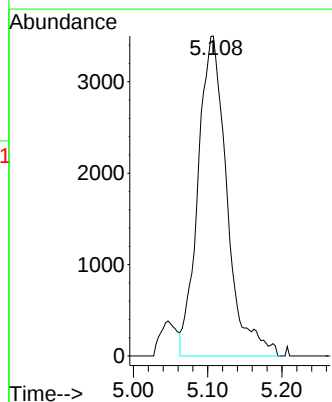
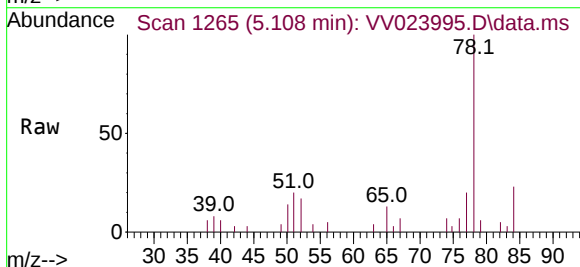
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3E2

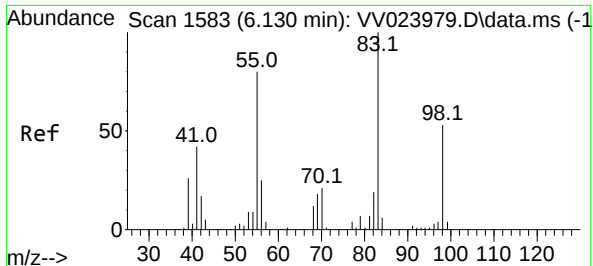
Tgt Ion: 73 Resp: 1069  
Ion Ratio Lower Upper  
73 100  
43 30.7 15.5 23.3#  
57 13.1 17.1 25.7#



#33  
Benzene  
Concen: 0.328 ug/L  
RT: 5.108 min Scan# 1265  
Delta R.T. 0.010 min  
Lab File: VV023995.D  
Acq: 15 Dec 2021 20:49

Tgt Ion: 78 Resp: 9481





#35

Methylcyclohexane

Concen: 0.602 ug/L

RT: 6.075 min Scan# 1

Delta R.T. -0.055 min

Lab File: VV023995.D

Acq: 15 Dec 2021 20:49

Instrument :

MSVOA\_V

ClientSampleId :

BG3E2

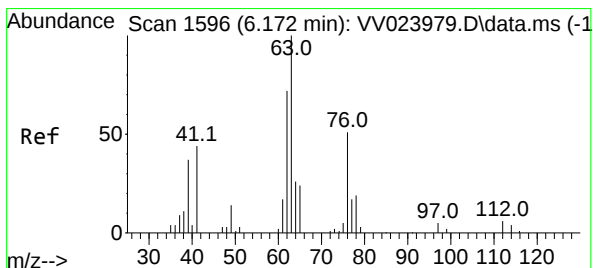
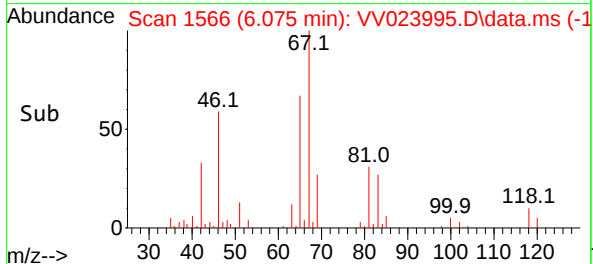
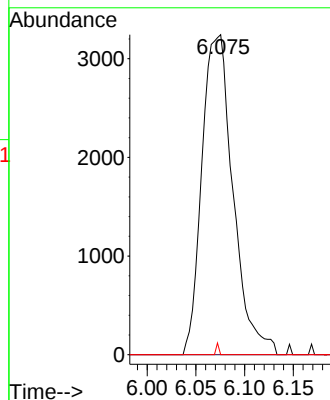
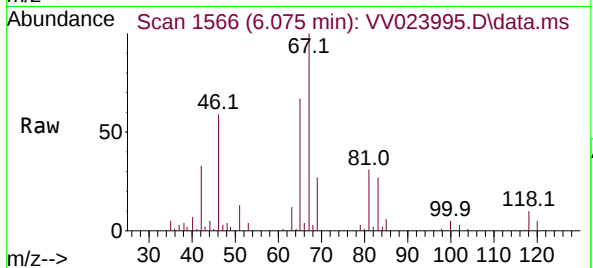
Tgt Ion: 83 Resp: 7230

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.2#

98 0.3 41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.485 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.100 min

Lab File: VV023995.D

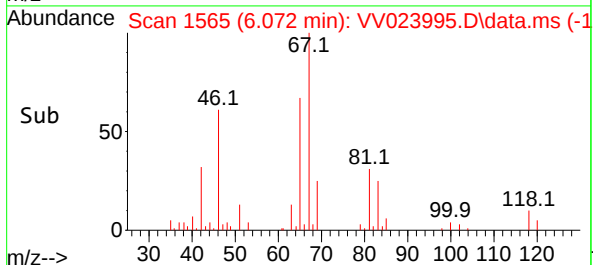
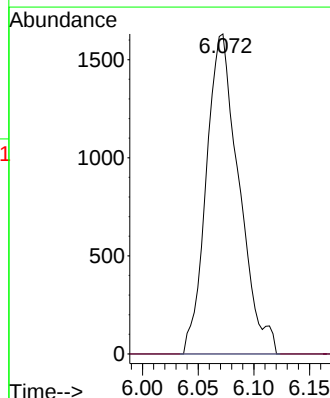
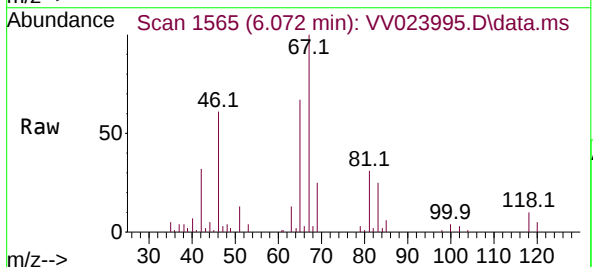
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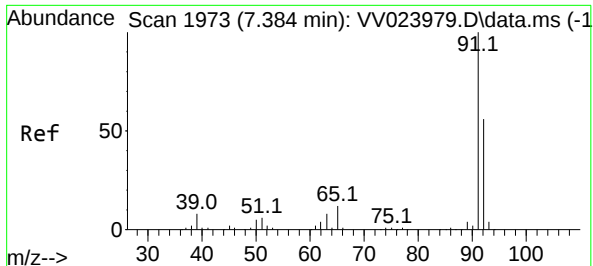
Tgt Ion: 63 Resp: 3331

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#





#42

Toluene

Concen: 0.290 ug/L

RT: 7.394 min Scan# 1973

Delta R.T. 0.010 min

Lab File: VV023995.D

Acq: 15 Dec 2021 20:49

Instrument :

MSVOA\_V

ClientSampleId :

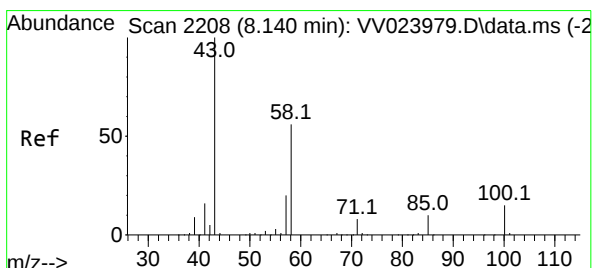
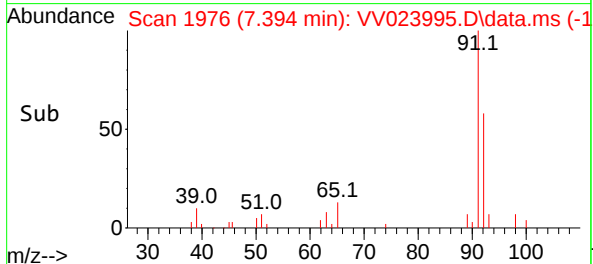
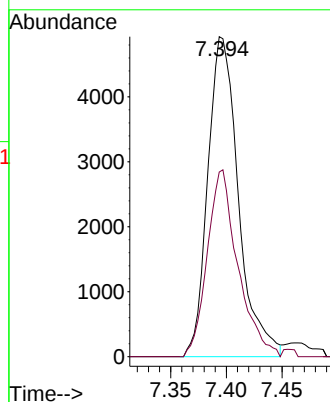
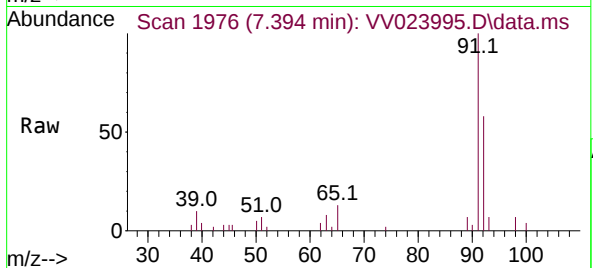
BG3E2

Tgt Ion: 91 Resp: 9428

Ion Ratio Lower Upper

91 100

92 57.7 41.5 77.1



#48

2-Hexanone

Concen: 1.902 ug/L

RT: 8.143 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VV023995.D

Acq: 15 Dec 2021 20:49

Tgt Ion: 43 Resp: 4553

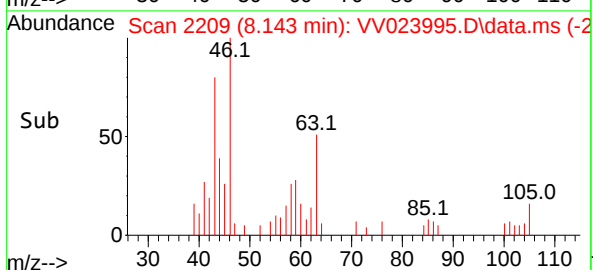
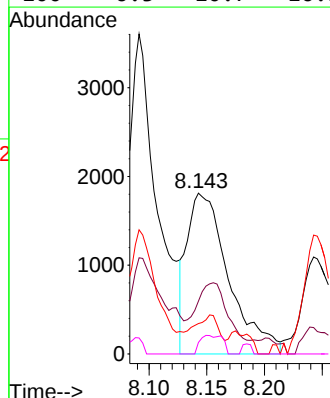
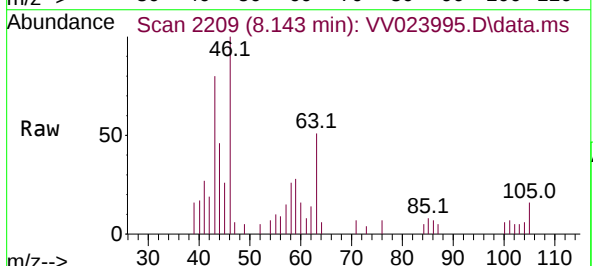
Ion Ratio Lower Upper

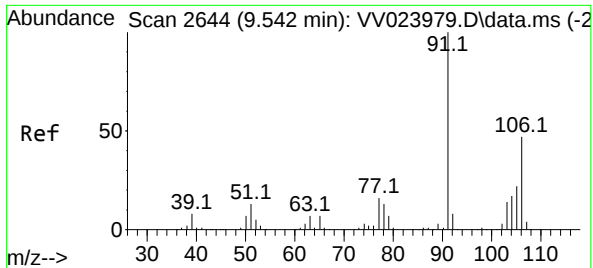
43 100

58 35.4 44.5 66.7#

57 15.0 15.1 22.7#

100 6.3 10.7 16.1#

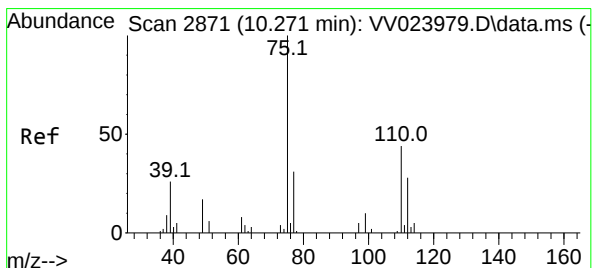
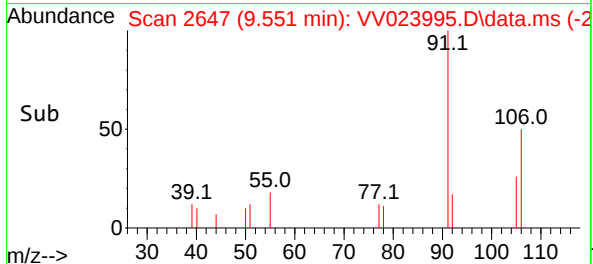
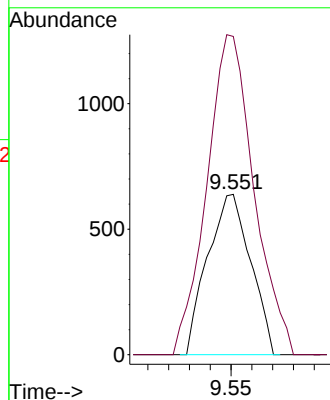
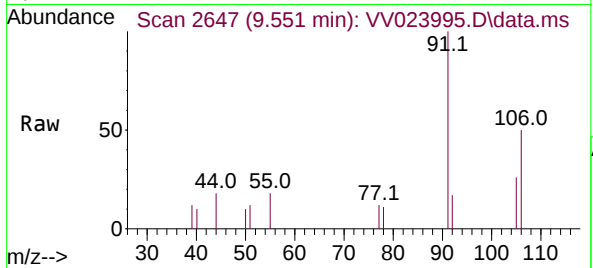




#54  
o-xylene  
Concen: 0.070 ug/L  
RT: 9.551 min Scan# 21  
Delta R.T. 0.009 min  
Lab File: VV023995.D  
Acq: 15 Dec 2021 20:49

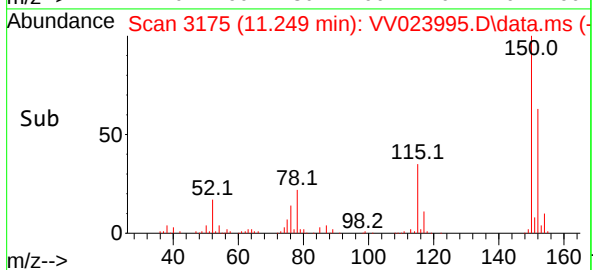
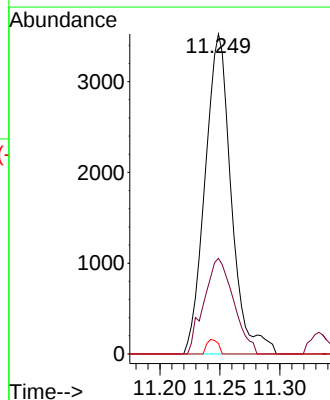
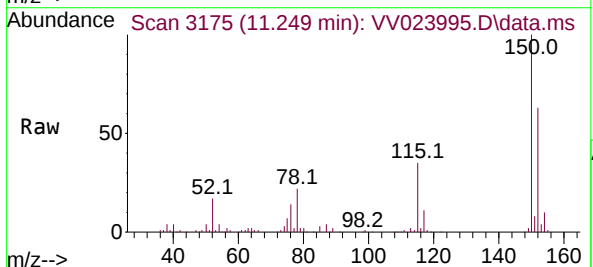
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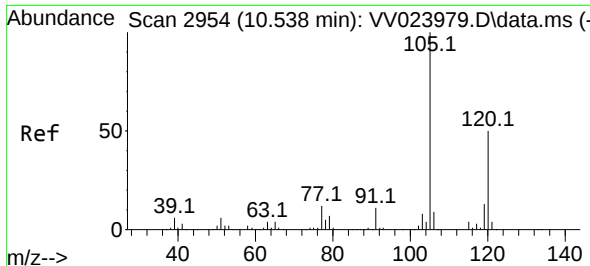
Tgt Ion:106 Resp: 918  
Ion Ratio Lower Upper  
106 100  
91 198.4 147.9 274.7



#61  
1,2,3-Trichloropropane  
Concen: 1.537 ug/L  
RT: 11.249 min Scan# 3175  
Delta R.T. 0.977 min  
Lab File: VV023995.D  
Acq: 15 Dec 2021 20:49

Tgt Ion: 75 Resp: 5347  
Ion Ratio Lower Upper  
75 100  
77 33.7 26.4 39.6  
110 1.9 34.2 51.2#





#62

1,3,5-Trimethylbenzene

Concen: 0.112 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.379 min

Lab File: VV023995.D

Acq: 15 Dec 2021 20:49

Instrument :

MSVOA\_V

ClientSampleId :

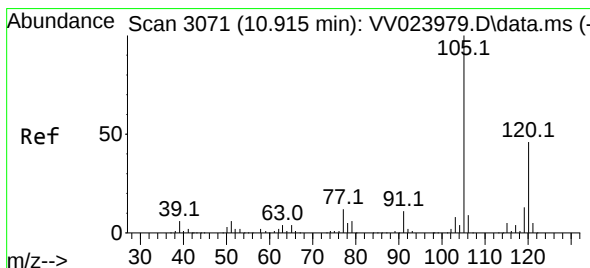
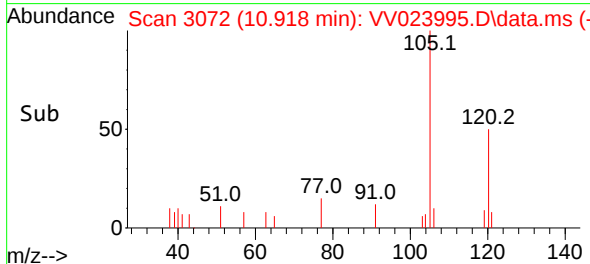
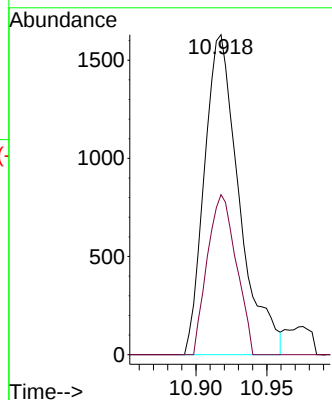
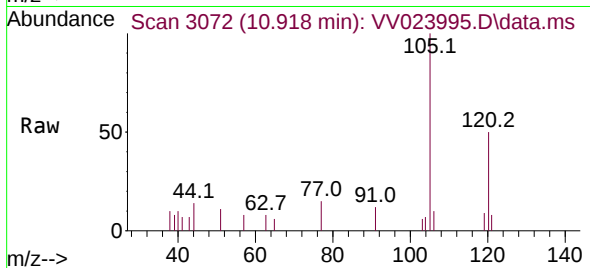
BG3E2

Tgt Ion:105 Resp: 2782

Ion Ratio Lower Upper

105 100

120 41.3 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 0.112 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.003 min

Lab File: VV023995.D

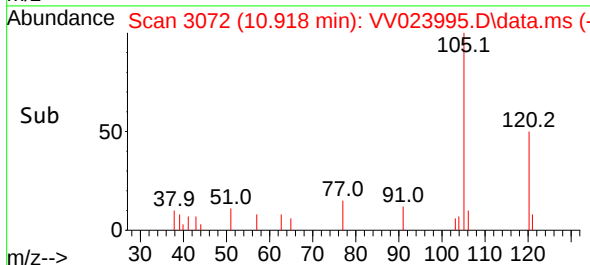
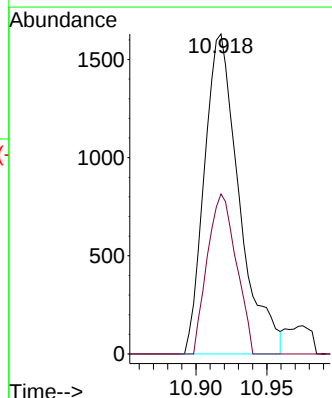
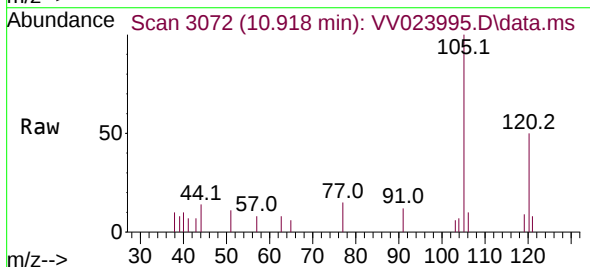
Acq: 15 Dec 2021 20:49

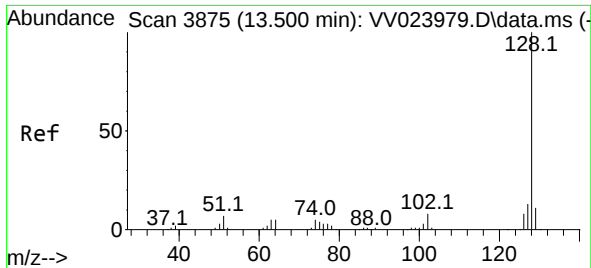
Tgt Ion:105 Resp: 2782

Ion Ratio Lower Upper

105 100

120 41.3 36.7 55.1





#71

Naphthalene

Concen: 0.121 ug/L

RT: 13.512 min Scan# 3879

Delta R.T. 0.013 min

Lab File: VV023995.D

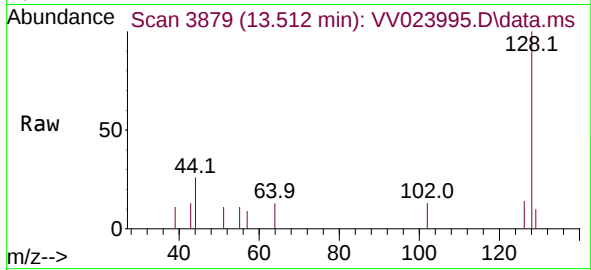
Acq: 15 Dec 2021 20:49

Instrument :

MSVOA\_V

ClientSampleId :

BG3E2



Tgt Ion:128 Resp: 1718

Ion Ratio Lower Upper

128 100

129 6.6 9.0 13.4#

127 6.2 10.2 15.4#

