

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW102621\  
 Data File : VW023042.D  
 Acq On : 26 Oct 2021 16:51  
 Operator : SY/MD  
 Sample : M4277-11  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFGB8

Quant Time: Oct 27 01:34:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR102221WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Oct 27 01:29:33 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 135894   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 134157   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 59239    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 51241    | 4.315    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 86.400%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 29812    | 4.059    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 81.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 54045    | 3.155    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 63.000%  |
| 20) 2-Butanone-d5             | 3.905  | 46    | 69850    | 36.669   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 73.340%  |
| 24) Chloroform-d              | 4.349  | 84    | 77281    | 4.003    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 80.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 43445    | 4.774    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.400%  |
| 32) Benzene-d6                | 5.050  | 84    | 192855   | 4.924    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 59052    | 4.898    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.000%  |
| 41) Toluene-d8                | 7.317  | 98    | 160683   | 4.567    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.400%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 19628    | 4.646    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.000%  |
| 46) 2-Hexanone-d5             | 8.092  | 63    | 72551    | 46.386   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 92.780%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.220 | 84    | 38684    | 4.646    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 93.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 58051    | 5.492    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 109.800% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 8) Chloroethane               | 1.307  | 64    | 690      | 0.137    | ug/L # | 1        |
| 12) 1,1-Dichloroethene        | 2.105  | 96    | 483      | 0.069    | ug/L # | 1        |
| 13) Acetone                   | 2.185  | 43    | 2268     | 2.427    | ug/L   | 95       |
| 25) Chloroform                | 4.378  | 83    | 38381    | 2.128    | ug/L   | 99       |
| 34) Trichloroethene           | 5.918  | 95    | 702      | 0.077    | ug/L   | 91       |
| 35) Methylcyclohexane         | 6.072  | 83    | 14071    | 1.083    | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.076  | 63    | 6406     | 0.704    | ug/L # | 83       |
| 39) cis-1,3-Dichloropropene   | 6.998  | 75    | 1673     | 0.148    | ug/L   | 93       |
| 42) Toluene                   | 7.397  | 91    | 7557     | 0.207    | ug/L   | 87       |
| 47) Tetrachloroethene         | 7.979  | 164   | 5634     | 0.735    | ug/L   | 98       |
| 48) 2-Hexanone                | 8.146  | 43    | 6333     | 1.991    | ug/L # | 69       |
| 49) Dibromochloromethane      | 7.979  | 129   | 4766     | 0.629    | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 6015     | 1.443    | ug/L # | 66       |
| 70) 1,2,4-trichlorobenzene    | 13.265 | 180   | 588      | 0.065    | ug/L   | 95       |
| 71) Naphthalene               | 13.509 | 128   | 1615     | 0.118    | ug/L # | 82       |
| 72) 1,2,3-Trichlorobenzene    | 13.750 | 180   | 650      | 0.078    | ug/L # | 88       |
| -----                         |        |       |          |          |        |          |

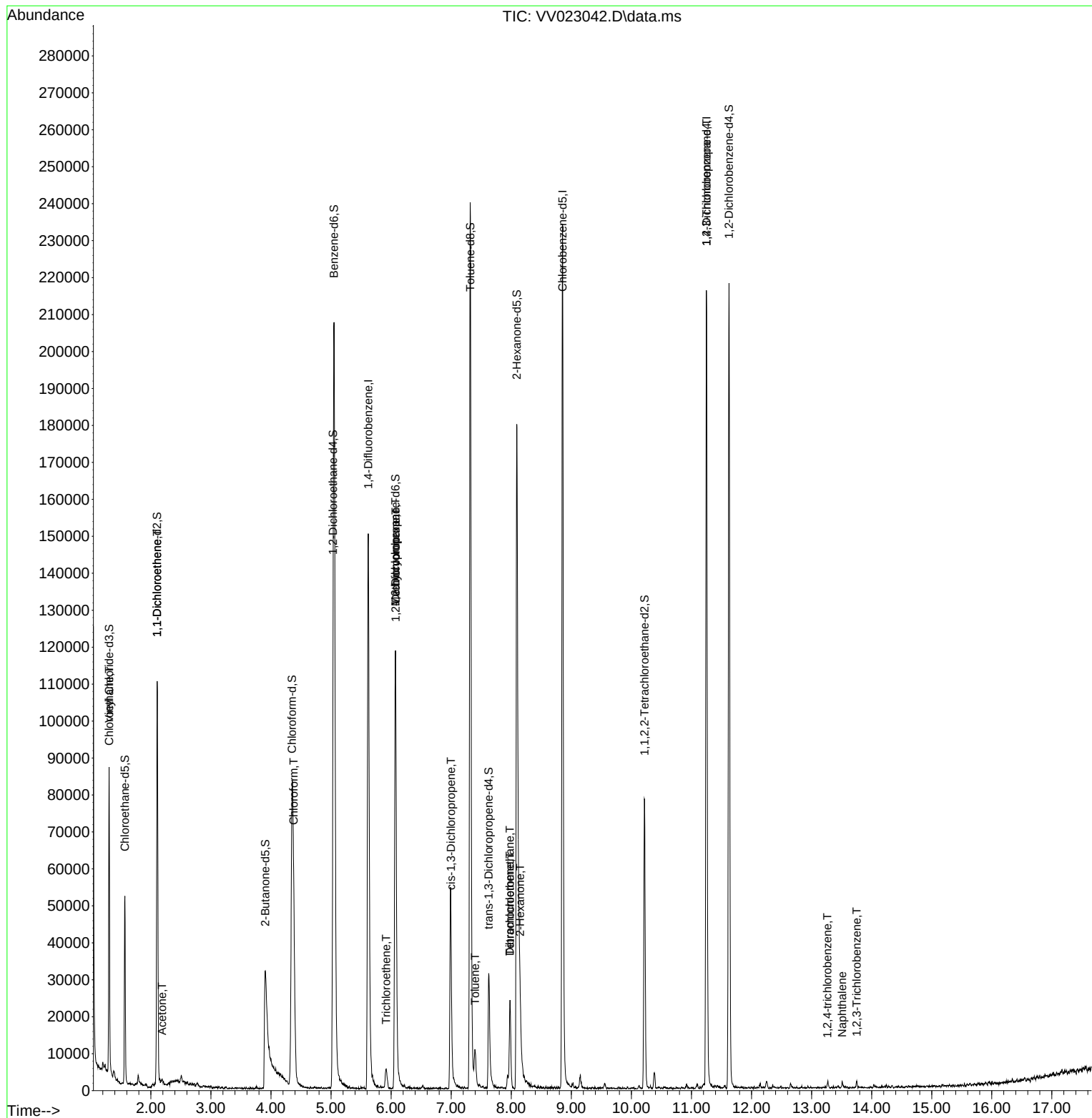
(#) = qualifier out of range (m) = manual integration (+) = signals summed

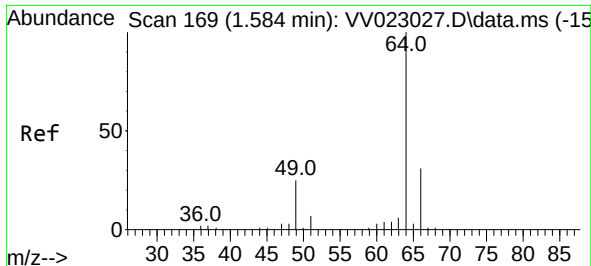
**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
BFGB8

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV102621\  
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BFG8

Quant Time: Oct 27 01:34:14 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR102221WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Oct 27 01:29:33 2021  
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.137 ug/L

RT: 1.307 min Scan# 81

Delta R.T. -0.277 min

Lab File: VV023042.D

Acq: 26 Oct 2021 16:51

Instrument :

MSVOA\_V

ClientSampleId :

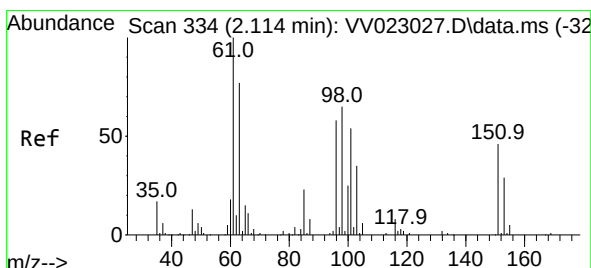
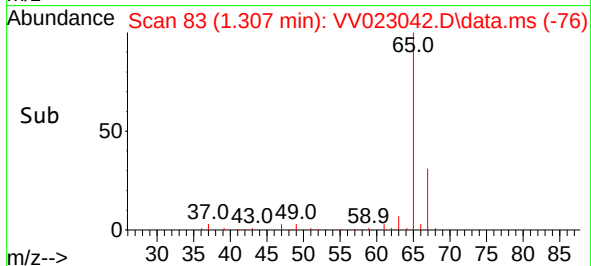
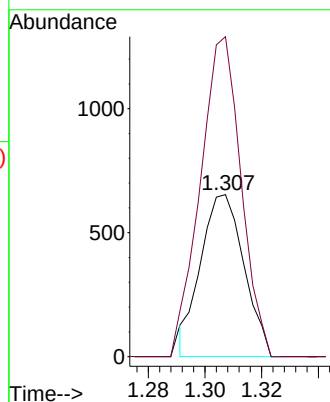
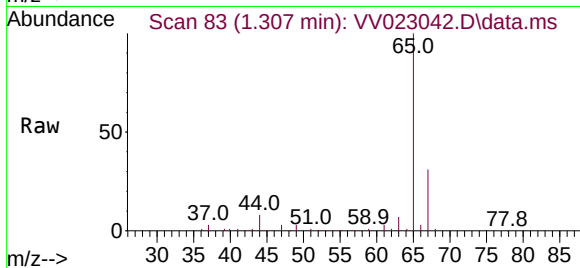
BFGB8

Tgt Ion: 64 Resp: 690

Ion Ratio Lower Upper

64 100

66 197.5 22.1 41.1#



#12

1,1-Dichloroethene

Concen: 0.069 ug/L

RT: 2.105 min Scan# 331

Delta R.T. -0.010 min

Lab File: VV023042.D

Acq: 26 Oct 2021 16:51

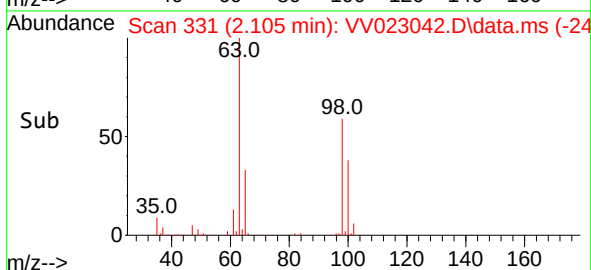
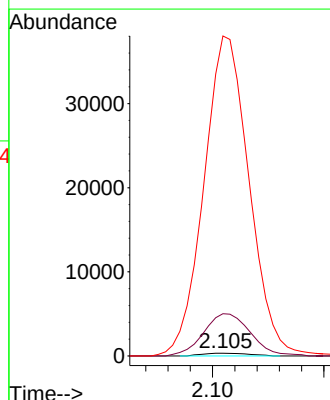
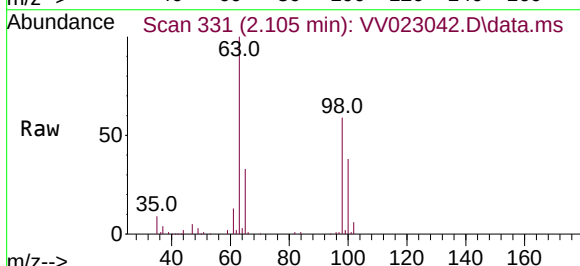
Tgt Ion: 96 Resp: 483

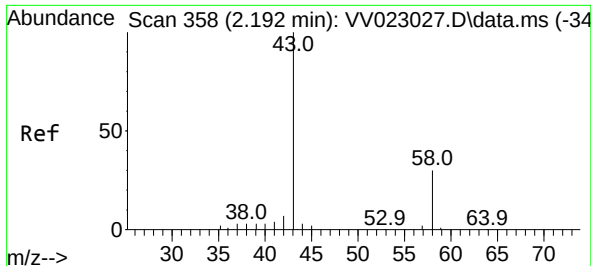
Ion Ratio Lower Upper

96 100

61 1553.1 121.5 225.7#

63 11740.7 99.6 185.0#

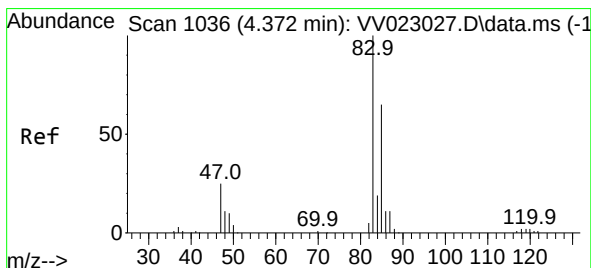
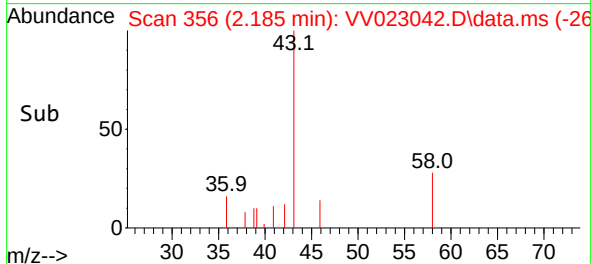
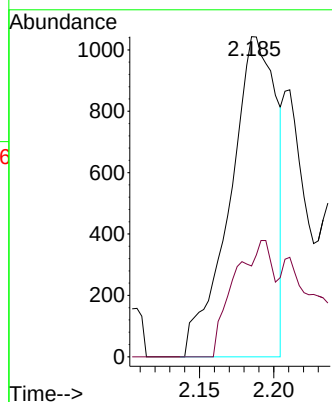
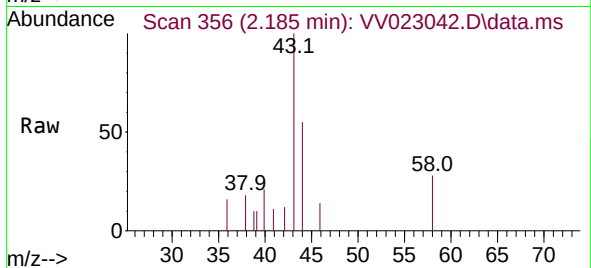




#13  
Acetone  
Concen: 2.427 ug/L  
RT: 2.185 min Scan# 31  
Delta R.T. -0.007 min  
Lab File: VV023042.D  
Acq: 26 Oct 2021 16:51

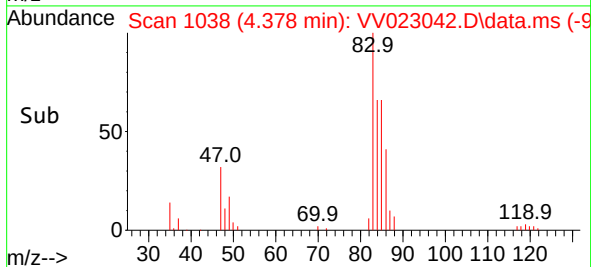
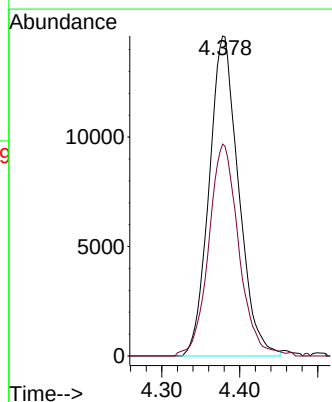
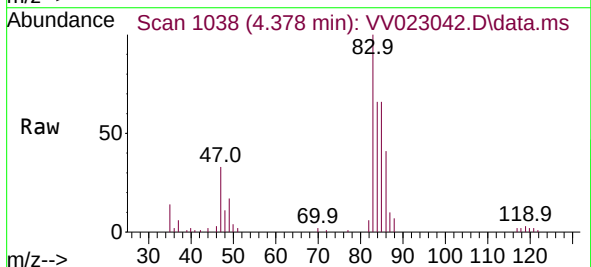
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFG8

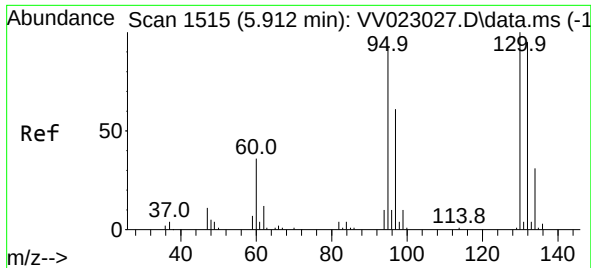
Tgt Ion: 43 Resp: 2268  
Ion Ratio Lower Upper  
43 100  
58 30.3 0.0 55.4



#25  
Chloroform  
Concen: 2.128 ug/L  
RT: 4.378 min Scan# 1038  
Delta R.T. 0.006 min  
Lab File: VV023042.D  
Acq: 26 Oct 2021 16:51

Tgt Ion: 83 Resp: 38381  
Ion Ratio Lower Upper  
83 100  
85 66.2 46.8 86.8



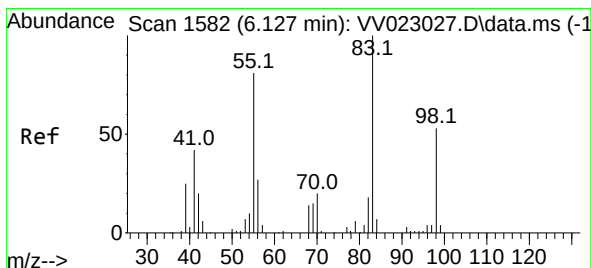
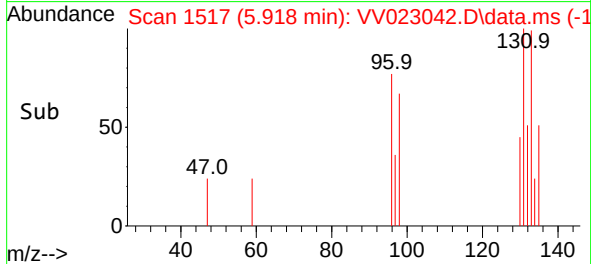
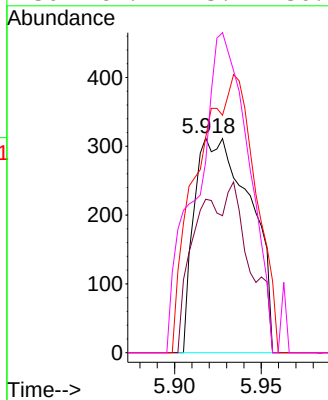
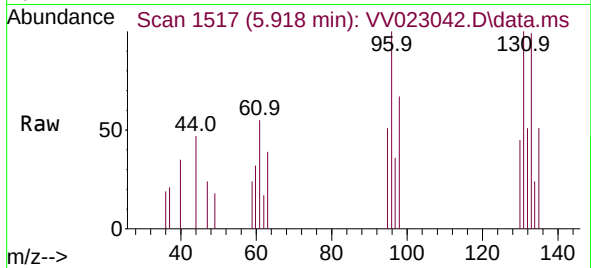


#34  
Trichloroethene  
Concen: 0.077 ug/L  
RT: 5.918 min Scan# 1515  
Delta R.T. 0.006 min  
Lab File: VV023042.D  
Acq: 26 Oct 2021 16:51

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFGB8

Tgt Ion: 95 Resp: 702

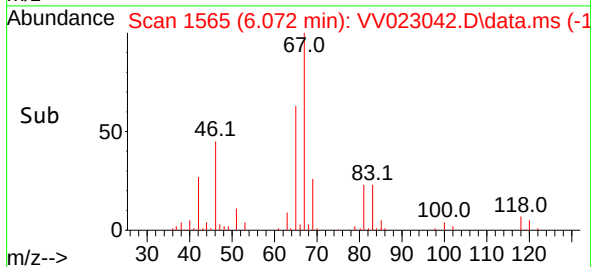
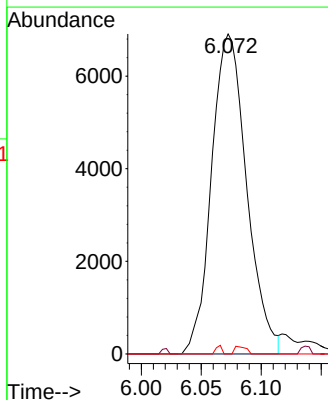
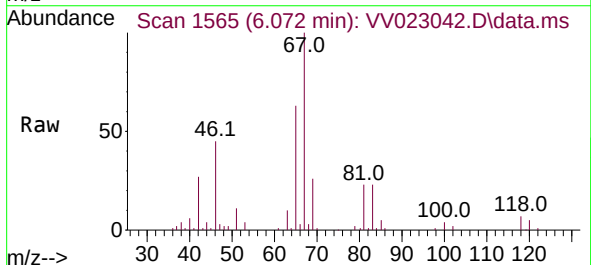
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 71.5  | 45.0  | 83.6  |
| 132 | 100.3 | 69.7  | 129.4 |
| 130 | 89.1  | 73.7  | 136.9 |

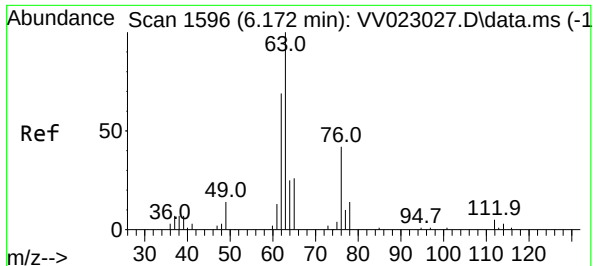


#35  
Methylcyclohexane  
Concen: 1.083 ug/L  
RT: 6.072 min Scan# 1565  
Delta R.T. -0.055 min  
Lab File: VV023042.D  
Acq: 26 Oct 2021 16:51

Tgt Ion: 83 Resp: 14071

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.6   | 62.8  | 94.2# |
| 98  | 0.8   | 37.9  | 56.9# |





#37

1,2-Dichloropropane

Concen: 0.704 ug/L

RT: 6.076 min Scan# 1

Delta R.T. -0.097 min

Lab File: VV023042.D

Acq: 26 Oct 2021 16:51

Instrument :

MSVOA\_V

ClientSampleId :

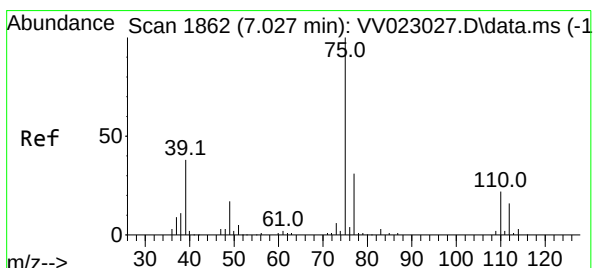
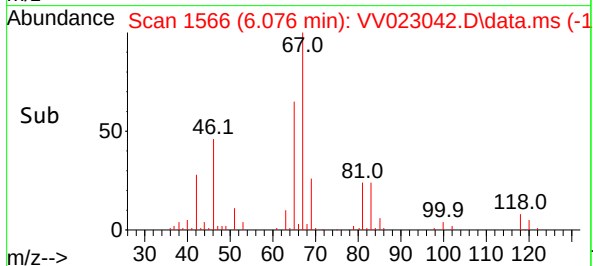
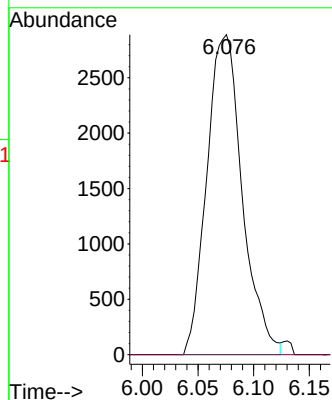
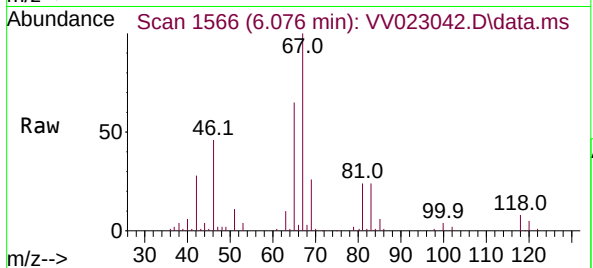
BFGB8

Tgt Ion: 63 Resp: 6406

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.148 ug/L

RT: 6.998 min Scan# 1853

Delta R.T. -0.029 min

Lab File: VV023042.D

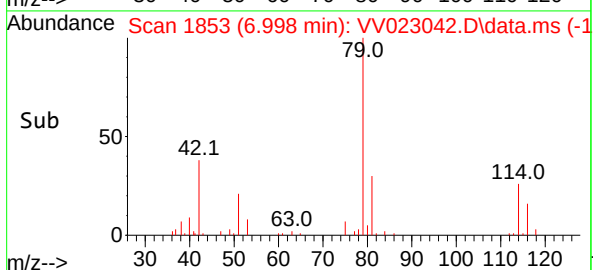
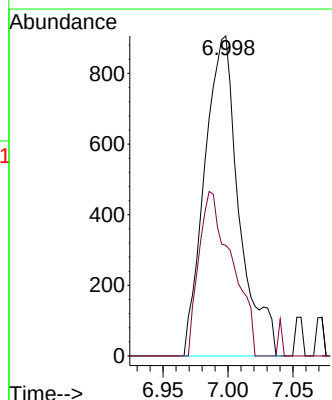
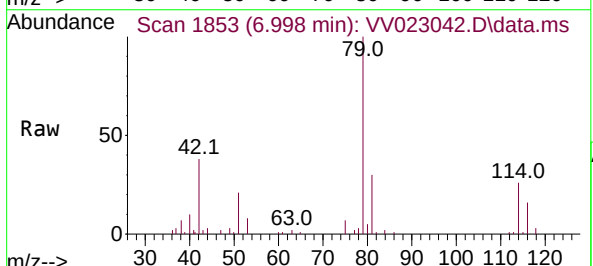
Acq: 26 Oct 2021 16:51

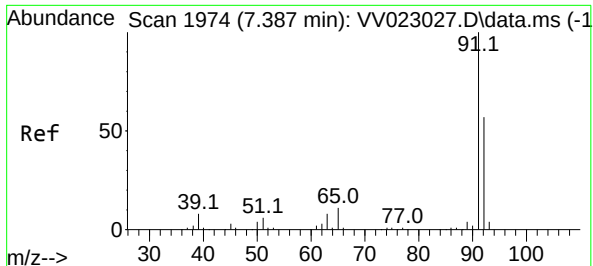
Tgt Ion: 75 Resp: 1673

Ion Ratio Lower Upper

75 100

77 34.5 21.6 40.2

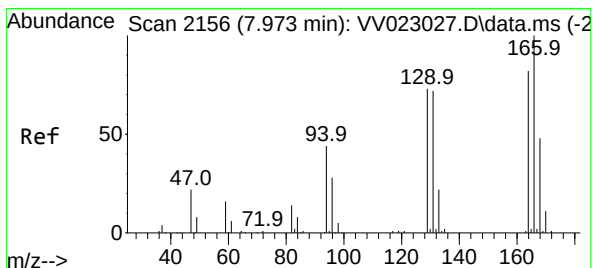
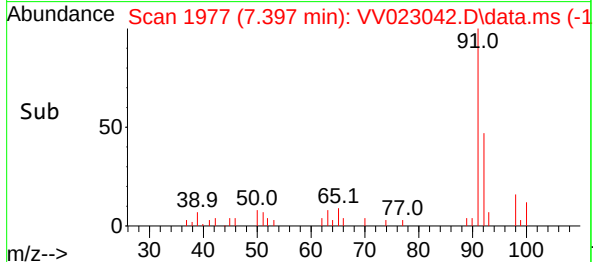
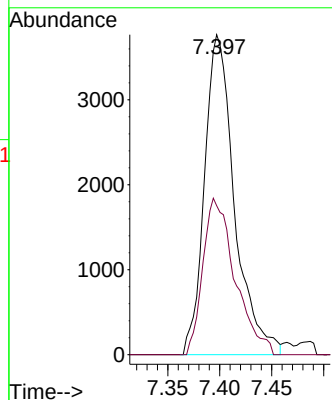
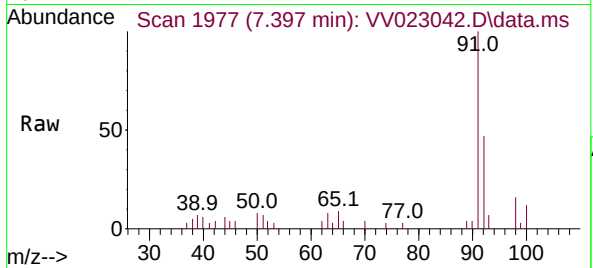




#42  
Toluene  
Concen: 0.207 ug/L  
RT: 7.397 min Scan# 1974  
Delta R.T. 0.010 min  
Lab File: VV023042.D  
Acq: 26 Oct 2021 16:51

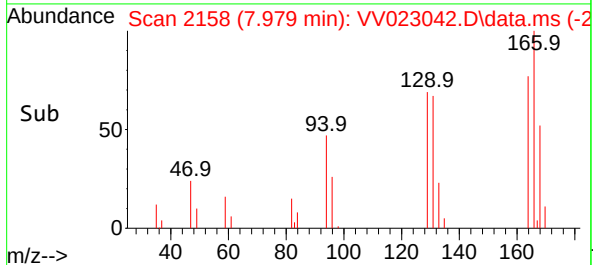
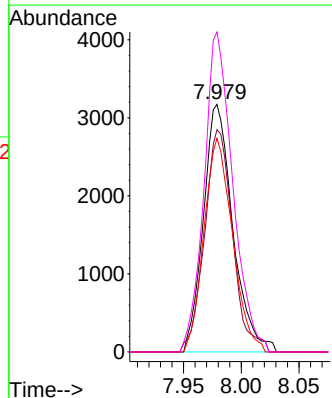
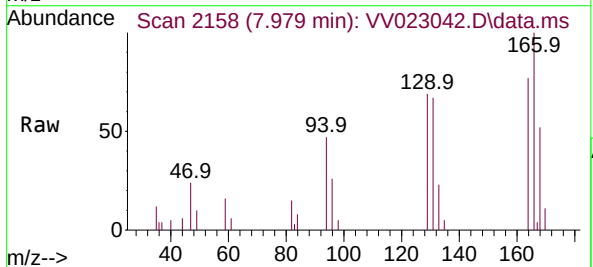
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFG8

Tgt Ion: 91 Resp: 7557  
Ion Ratio Lower Upper  
91 100  
92 46.5 39.3 72.9

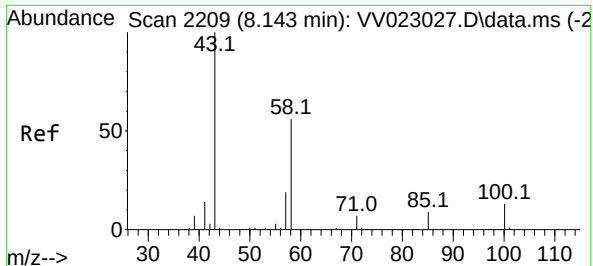


#47  
Tetrachloroethene  
Concen: 0.735 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. 0.006 min  
Lab File: VV023042.D  
Acq: 26 Oct 2021 16:51

Tgt Ion: 164 Resp: 5634  
Ion Ratio Lower Upper  
164 100  
129 89.8 64.0 119.0  
131 86.3 63.4 117.8  
166 129.3 89.3 165.9







#48

2-Hexanone

Concen: 1.991 ug/L

RT: 8.146 min Scan# 2158

Delta R.T. 0.003 min

Lab File: VV023042.D

Acq: 26 Oct 2021 16:51

Instrument :

MSVOA\_V

ClientSampleId :

BFGB8

Tgt Ion: 43 Resp: 6333

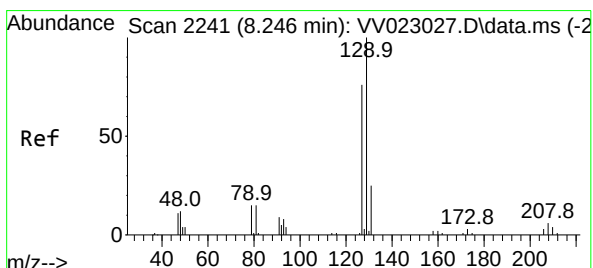
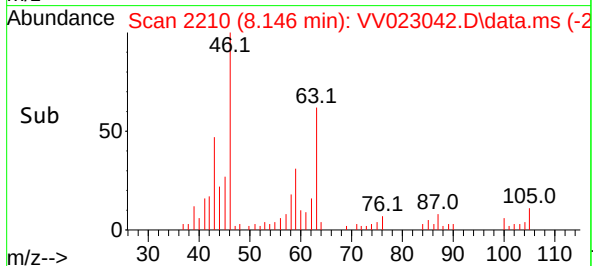
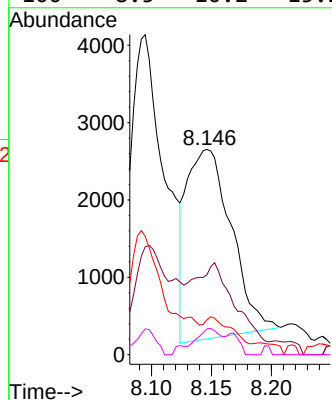
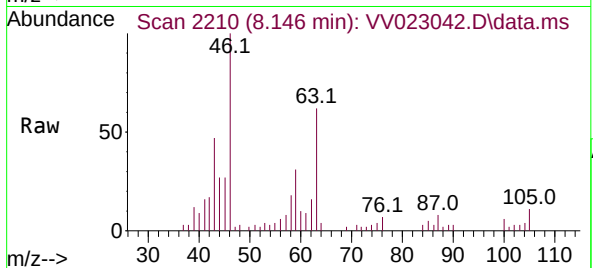
Ion Ratio Lower Upper

43 100

58 26.6 43.7 65.5#

57 9.1 14.1 21.1#

100 8.5 10.2 15.2#



#49

Dibromochloromethane

Concen: 0.629 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV023042.D

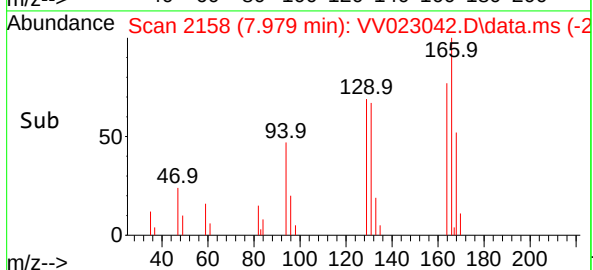
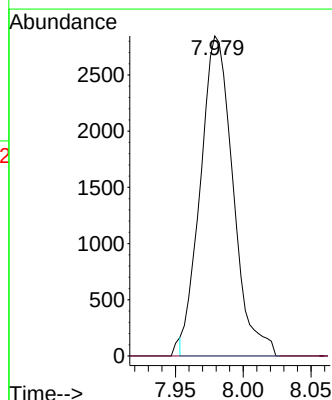
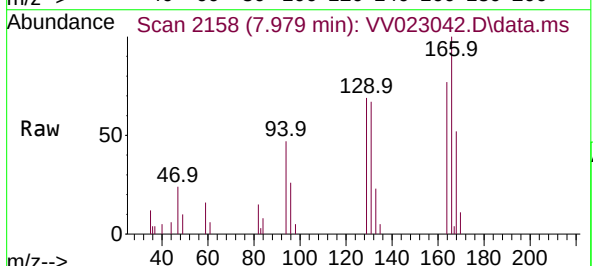
Acq: 26 Oct 2021 16:51

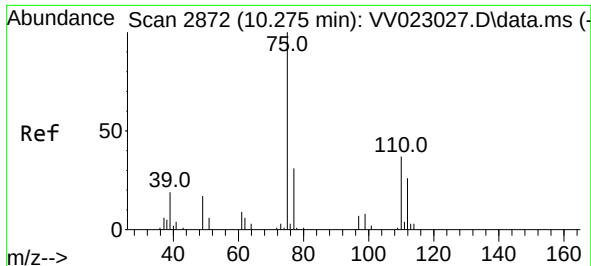
Tgt Ion:129 Resp: 4766

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#

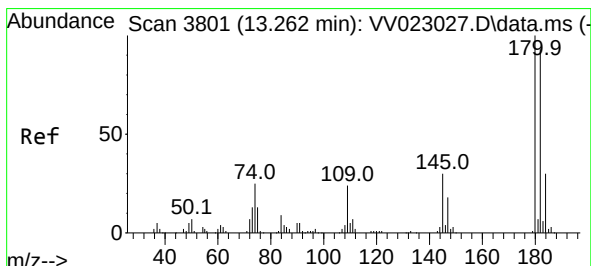
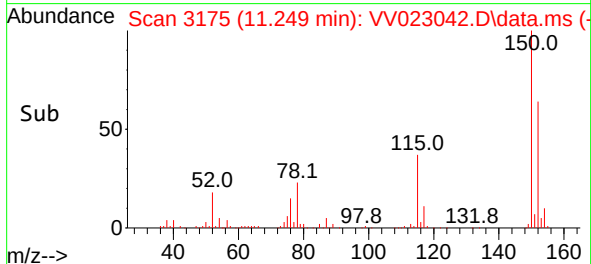
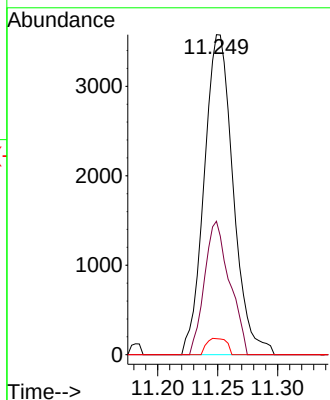
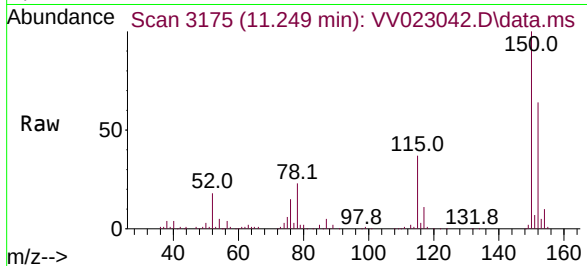




#61  
1,2,3-Trichloropropane  
Concen: 1.443 ug/L  
RT: 11.249 min Scan# 3175  
Delta R.T. 0.974 min  
Lab File: VV023042.D  
Acq: 26 Oct 2021 16:51

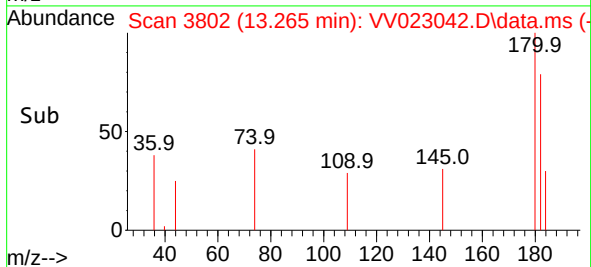
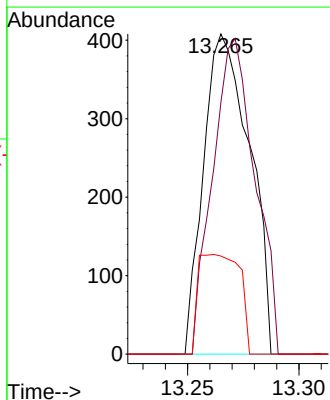
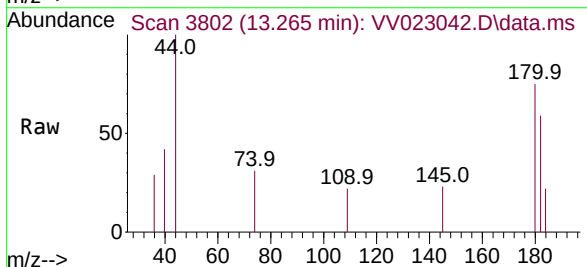
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFG8

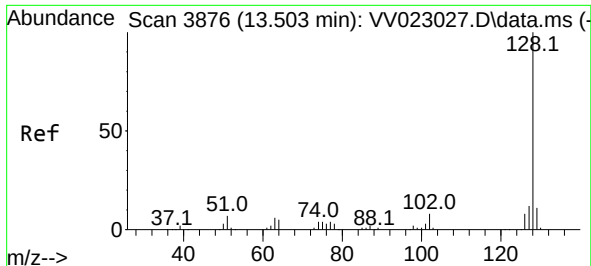
Tgt Ion: 75 Resp: 6015  
Ion Ratio Lower Upper  
75 100  
77 36.2 26.6 39.8  
110 3.5 31.8 47.6#



#70  
1,2,4-trichlorobenzene  
Concen: 0.065 ug/L  
RT: 13.265 min Scan# 3802  
Delta R.T. 0.003 min  
Lab File: VV023042.D  
Acq: 26 Oct 2021 16:51

Tgt Ion: 180 Resp: 588  
Ion Ratio Lower Upper  
180 100  
182 90.6 76.9 115.3  
145 27.9 24.4 36.6

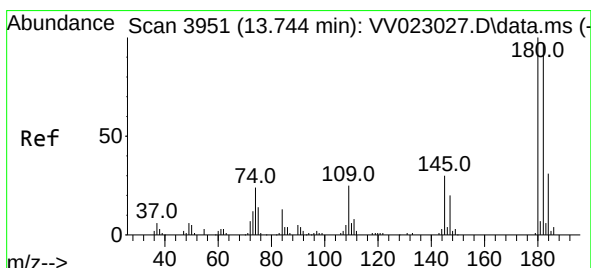
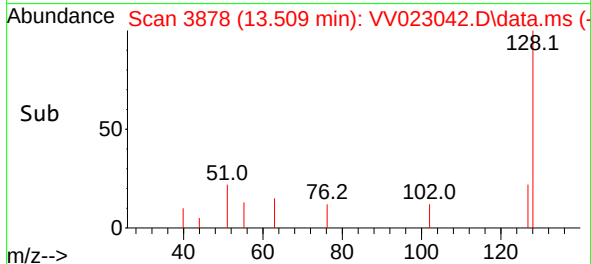
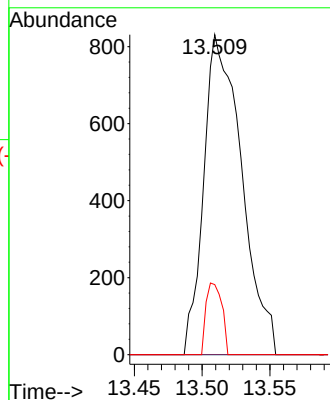
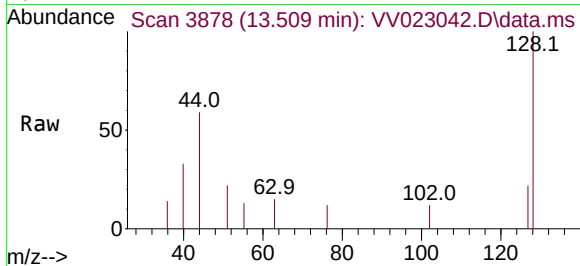




#71  
Naphthalene  
Concen: 0.118 ug/L  
RT: 13.509 min Scan# 3876  
Delta R.T. 0.006 min  
Lab File: VV023042.D  
Acq: 26 Oct 2021 16:51

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFG8

Tgt Ion:128 Resp: 1615  
Ion Ratio Lower Upper  
128 100  
129 0.0 8.6 13.0#  
127 9.3 10.5 15.7#



#72  
1,2,3-Trichlorobenzene  
Concen: 0.078 ug/L  
RT: 13.750 min Scan# 3953  
Delta R.T. 0.006 min  
Lab File: VV023042.D  
Acq: 26 Oct 2021 16:51

Tgt Ion:180 Resp: 650  
Ion Ratio Lower Upper  
180 100  
182 101.1 76.7 115.1  
145 14.3 25.7 38.5#

