

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101920\  
 Data File : VV018979.D  
 Acq On : 19 Oct 2020 18:44  
 Operator : SY/MD  
 Sample : L4426-19  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG408

Quant Time: Oct 20 01:08:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 20 01:05:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 324523   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 332197   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 150701   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 101483   | 37.99    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 75.98% |
| 7) Chloroethane-d5             | 1.58    | 69    | 93326    | 44.10    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 88.20% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 165981   | 32.91    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.82% |
| 21) 2-Butanone-d5              | 3.91    | 46    | 165941   | 89.12    | ug/L | 0.01   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 89.12% |
| 24) Chloroform-d               | 4.38    | 84    | 211253   | 44.01    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.02% |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 148103   | 46.49    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.98% |
| 32) Benzene-d6                 | 5.08    | 84    | 414609   | 42.75    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.50% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 140461   | 45.30    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 90.60% |
| 41) Toluene-d8                 | 7.34    | 98    | 372515   | 42.82    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.64% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 63087    | 41.62    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.24% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 83697    | 72.66    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 72.66% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 137495   | 37.84    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 75.68% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 151663   | 49.47    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.94% |

## Target Compounds

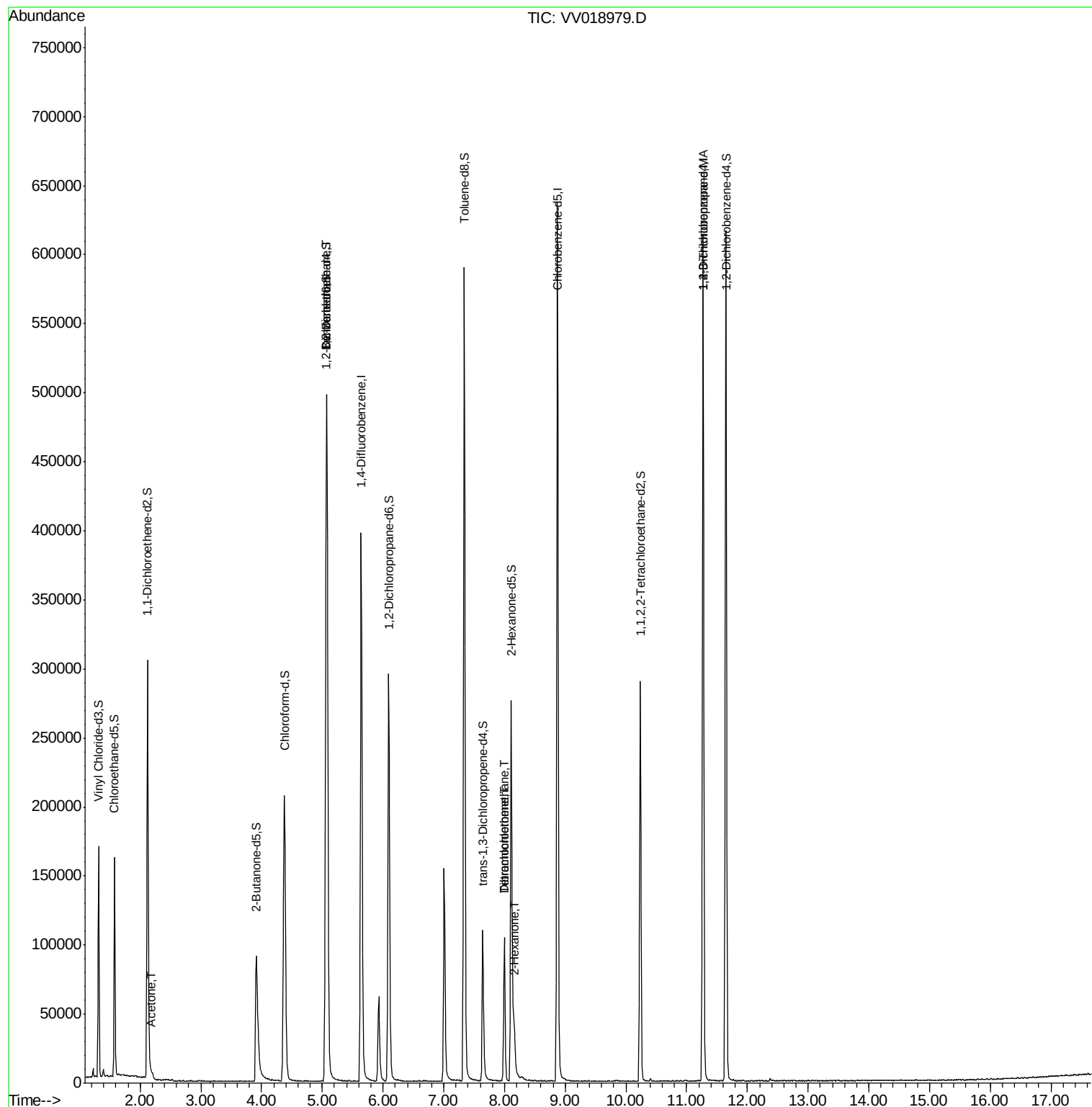
|                            |       |     |       |              | Ovalue |
|----------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                | 2.19  | 43  | 5584  | 4.104 ug/L   | 95     |
| 27) 1,2-Dichloroethane     | 5.07  | 62  | 2826  | 0.747 ug/L   | 98     |
| 46) Tetrachloroethene      | 8.00  | 164 | 23162 | 11.192 ug/L  | 98     |
| 48) 2-Hexanone             | 8.16  | 43  | 22956 | 7.701 ug/L # | 91     |
| 49) Dibromochloromethane   | 8.00  | 129 | 21345 | 7.951 ug/L # | 10     |
| 59) 1,2,3-Trichloropropane | 11.27 | 75  | 19013 | 5.762 ug/L   | 92     |

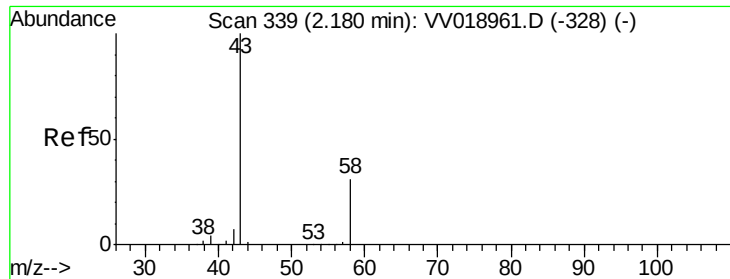
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Oct 20 01:05:12 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 4.104 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV018979.D

Acq: 19 Oct 2020 18:44

Instrument :

MSVOA\_V

ClientSampled :

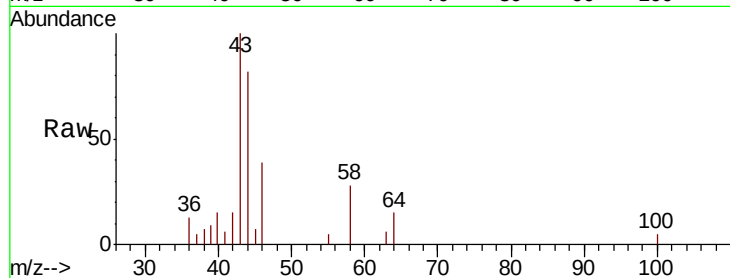
BG408

Tot Ion: 43 Resp: 5584

Ion Ratio Lower Upper

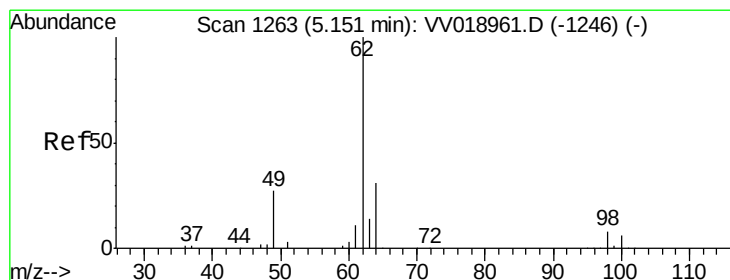
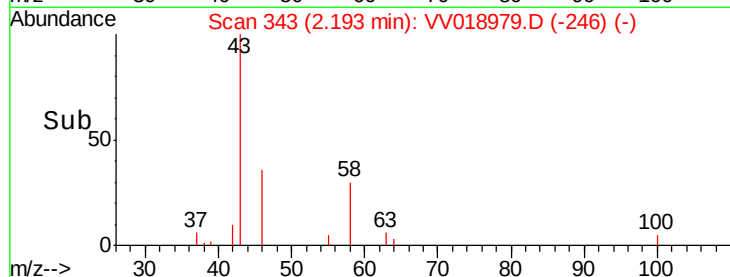
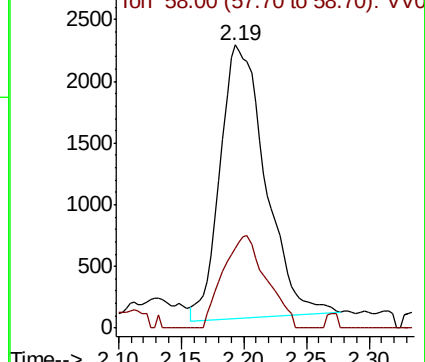
43 100

58 32.2 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV018961.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV018961.D (-328) (-)



#27

1,2-Dichloroethane

Concen: 0.747 ug/L

RT: 5.07 min Scan# 1239

Delta R.T. -0.08 min

Lab File: VV018979.D

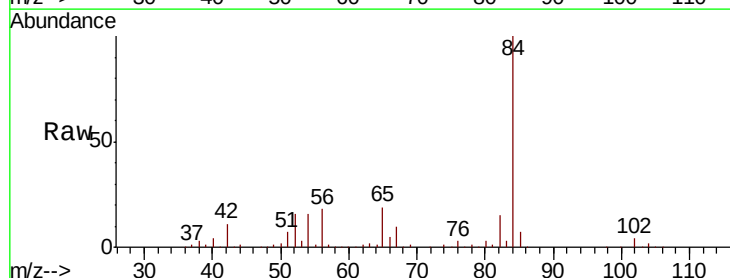
Acq: 19 Oct 2020 18:44

Tgt Ion: 62 Resp: 2826

Ion Ratio Lower Upper

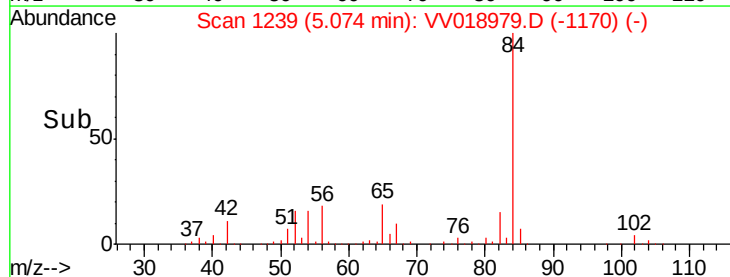
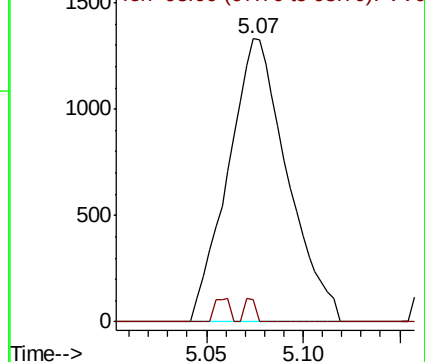
62 100

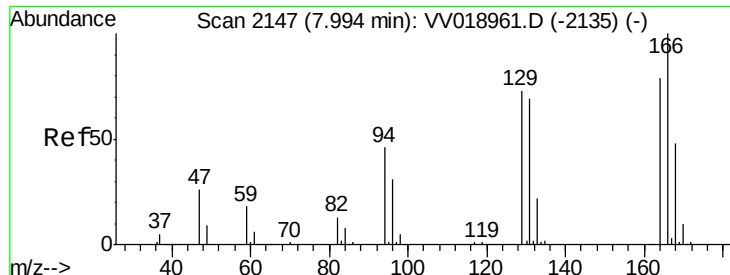
98 8.0 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VV018961.D (-1246) (-)

Ion 98.00 (97.70 to 98.70): VV018961.D (-1246) (-)

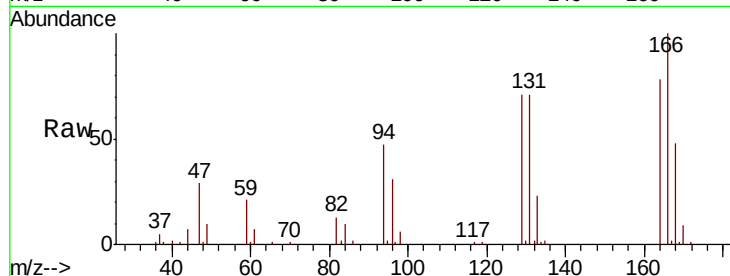




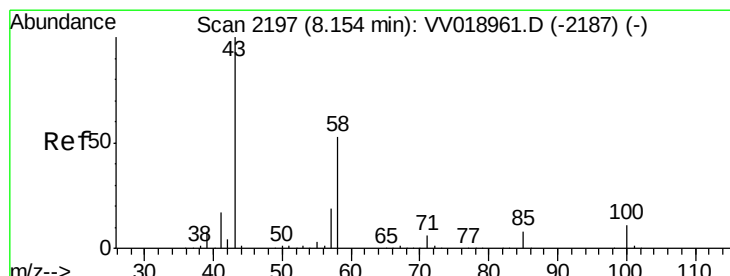
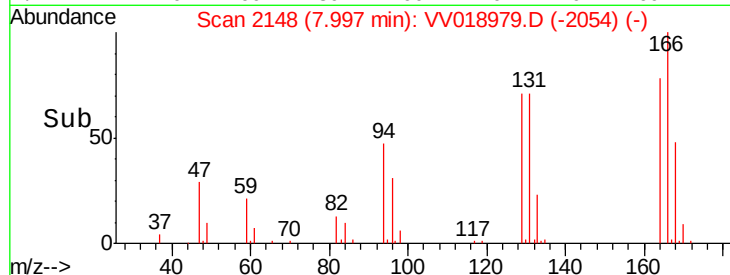
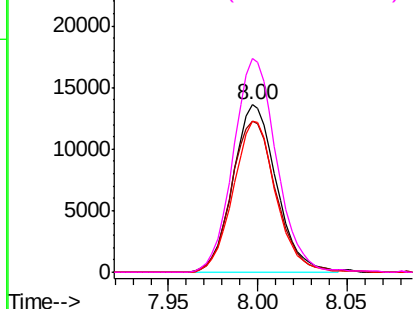
#46  
Tetrachloroethene  
Concen: 11.192 ug/L  
RT: 8.00 min Scan# 2148  
Delta R.T. 0.00 min  
Lab File: VV018979.D  
Acq: 19 Oct 2020 18:44

Instrument :  
MSVOA\_V  
ClientSampled :  
BG408

Tot Ion:164 Resp: 23162  
Ion Ratio Lower Upper  
164 100  
129 90.2 65.0 120.8  
131 90.3 62.9 116.7  
166 127.8 91.1 169.3

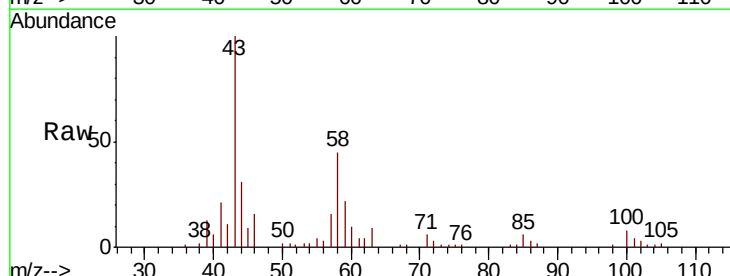


Abundance Ion 164.00 (163.70 to 164.70): V  
Ion 129.00 (128.70 to 129.70): V  
Ion 131.00 (130.70 to 131.70): V  
Ion 166.00 (165.70 to 166.70): V

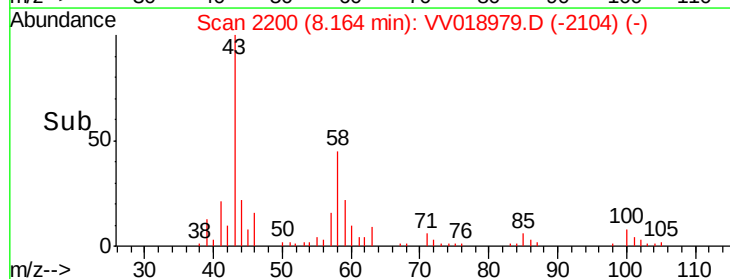
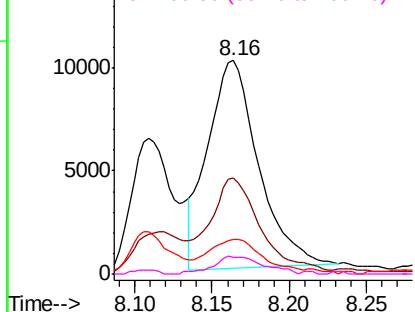


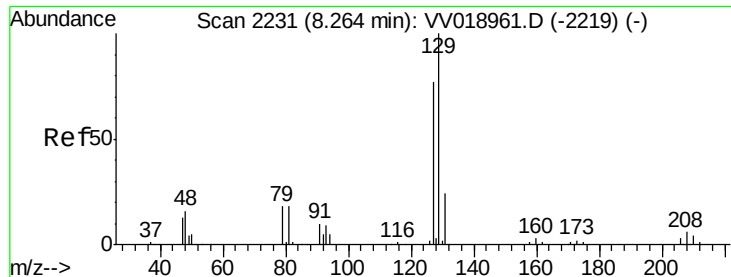
#48  
2-Hexanone  
Concen: 7.701 ug/L  
RT: 8.16 min Scan# 2200  
Delta R.T. 0.01 min  
Lab File: VV018979.D  
Acq: 19 Oct 2020 18:44

Tgt Ion: 43 Resp: 22956  
Ion Ratio Lower Upper  
43 100  
58 45.9 42.5 63.7  
57 15.9 14.5 21.7  
100 8.3 9.0 13.4#



Abundance Ion 43.00 (42.70 to 43.70): VV0  
Ion 58.00 (57.70 to 58.70): VV0  
Ion 57.00 (56.70 to 57.70): VV0  
Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 7.951 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV018979.D

Acq: 19 Oct 2020 18:44

Instrument :

MSVOA\_V

ClientSampled :

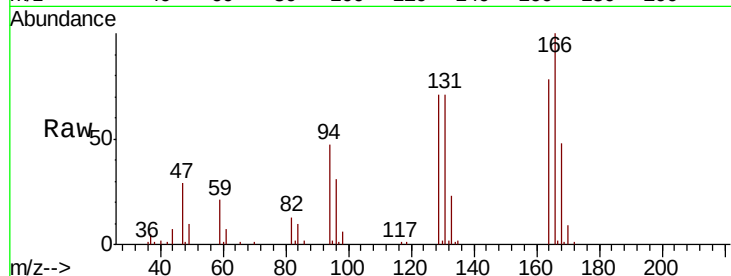
BG408

Tot Ion:129 Resp: 21345

Ion Ratio Lower Upper

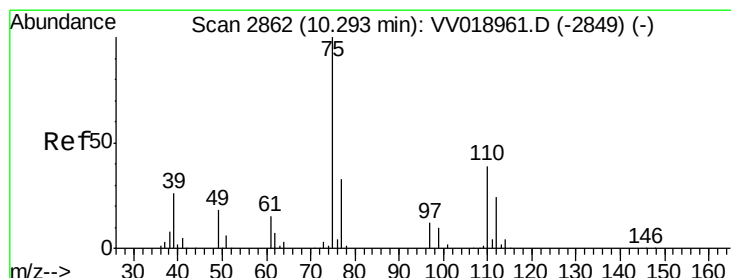
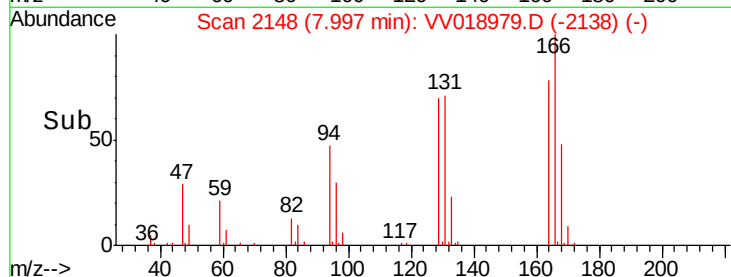
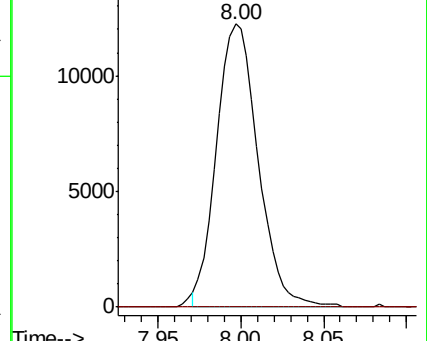
129 100

127 0.0 55.2 102.6#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 5.762 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018979.D

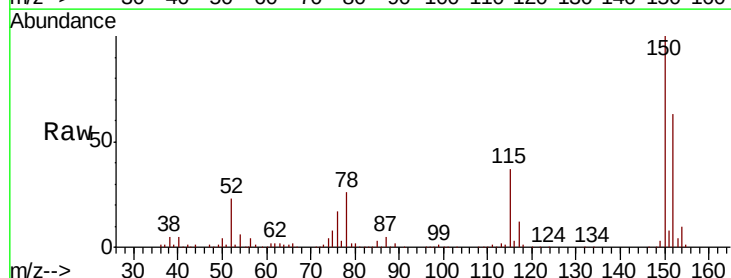
Acq: 19 Oct 2020 18:44

Tgt Ion: 75 Resp: 19013

Ion Ratio Lower Upper

75 100

77 36.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

