

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060420\  
 Data File : VU038532.D  
 Acq On : 03 Jun 2020 22:26  
 Operator : SY/MD  
 Sample : L2872-04  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFEN6

Quant Time: Jun 04 01:52:01 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jun 04 01:48:03 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 284621   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 280655   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 136036   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

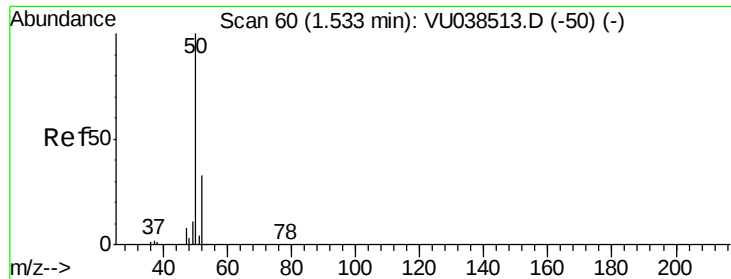
|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 52353    | 2.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 56.80%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 56842    | 4.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 80.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 94788    | 2.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 52.20%# |
| 20) 2-Butanone-d5              | 4.67   | 46    | 344165   | 61.50    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 123.00% |
| 24) Chloroform-d               | 5.10   | 84    | 171669   | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 105975   | 5.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 107.80% |
| 32) Benzene-d6                 | 5.76   | 84    | 327795   | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 105713   | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.20%  |
| 41) Toluene-d8                 | 7.92   | 98    | 267554   | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.20%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 41711    | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 90.00%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 297199   | 64.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 129.90% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 103232   | 5.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 112.80% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 123112   | 5.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 105.00% |

## Target Compounds

|                             |       |     |        |              | Ovalue |
|-----------------------------|-------|-----|--------|--------------|--------|
| 3) Chloromethane            | 1.53  | 50  | 2930   | 0.142 ug/L   | 92     |
| 12) 1,1-Dichloroethene      | 2.59  | 96  | 1083   | 0.062 ug/L # | 1      |
| 34) Trichloroethene         | 6.57  | 95  | 3484   | 0.172 ug/L   | 94     |
| 35) Methylcyclohexane       | 6.72  | 83  | 26186  | 0.833 ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.72  | 63  | 11615  | 0.590 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75  | 2961   | 0.102 ug/L # | 63     |
| 47) Tetrachloroethene       | 8.57  | 164 | 122102 | 8.274 ug/L   | 96     |
| 48) 2-Hexanone              | 8.71  | 43  | 10667  | 1.000 ug/L # | 89     |
| 49) Dibromochloromethane    | 8.57  | 129 | 118749 | 7.405 ug/L # | 11     |
| 55) Styrene                 | 10.13 | 104 | 7350   | 0.128 ug/L   | 99     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75  | 17176  | 1.169 ug/L # | 88     |

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





#3

Chloromethane

Concen: 0.142 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038532.D

Acq: 03 Jun 2020 22:26

Instrument :

MSVOA\_U

ClientSampled :

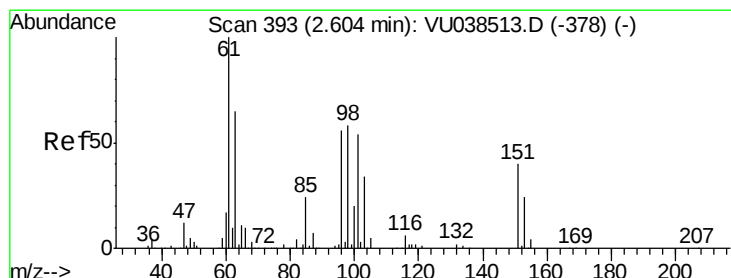
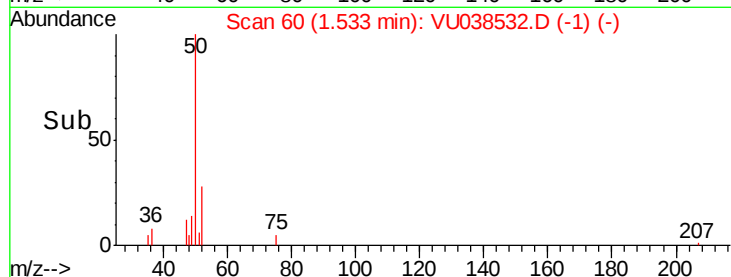
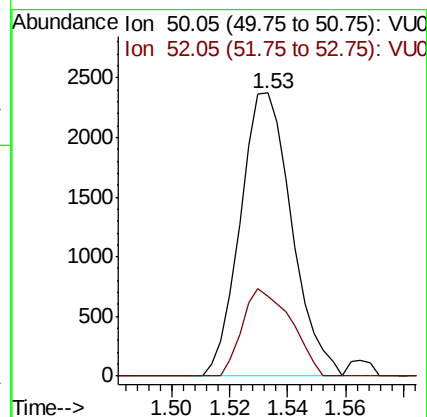
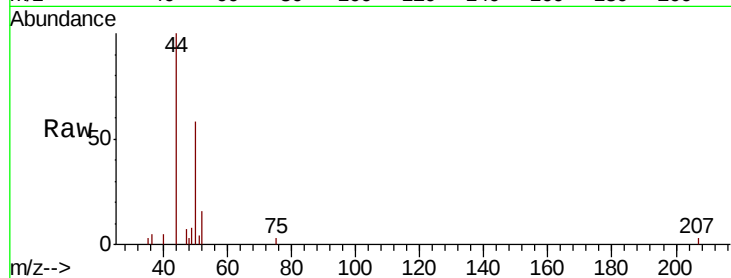
BFEN6

Tot Ion: 50 Resp: 2930

Ion Ratio Lower Upper

50 100

52 28.2 22.9 42.5



#12

1,1-Dichloroethene

Concen: 0.062 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU038532.D

Acq: 03 Jun 2020 22:26

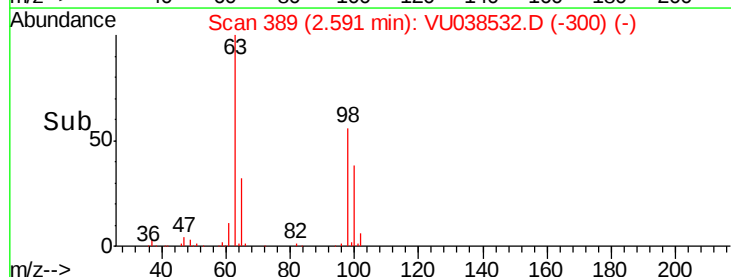
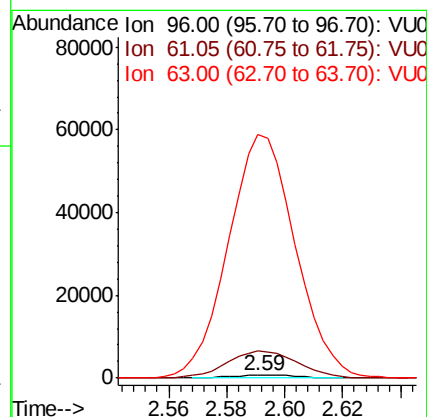
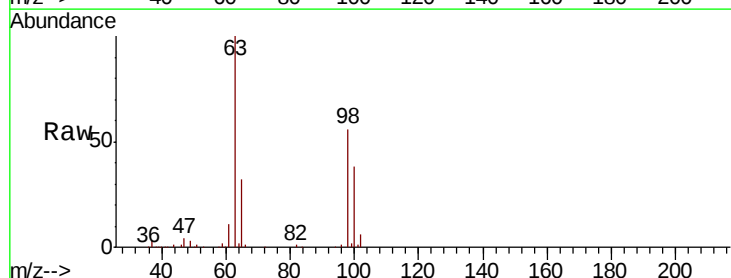
Tgt Ion: 96 Resp: 1083

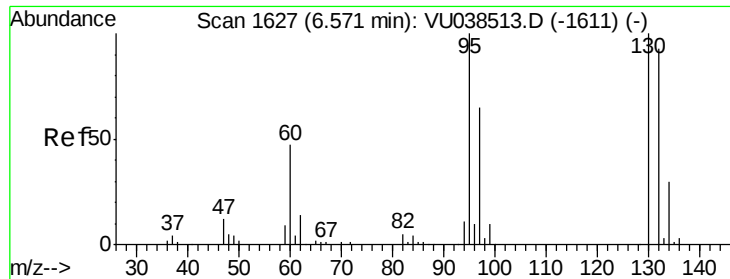
Ion Ratio Lower Upper

96 100

61 1016.0 119.9 222.7#

63 9225.1 89.9 167.0#





#34

Trichloroethene

Concen: 0.172 ug/L

RT: 6.57 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VU038532.D

Acq: 03 Jun 2020 22:26

Instrument :

MSVOA\_U

ClientSampleId :

BFEN6

Tot Ion: 95 Resp: 3484

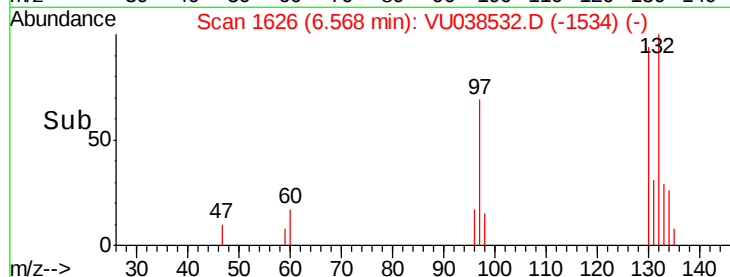
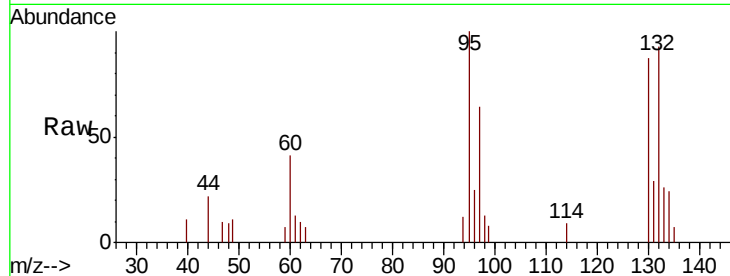
Ion Ratio Lower Upper

95 100

97 64.3 46.8 87.0

132 92.7 66.1 122.7

130 87.0 70.0 130.0



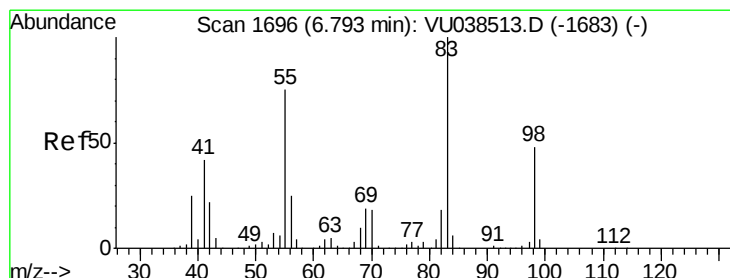
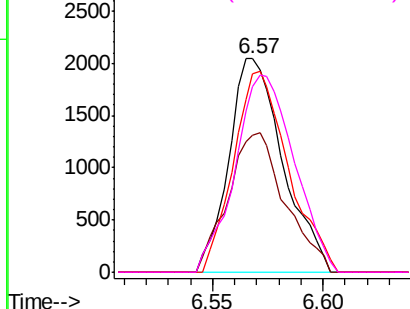
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.833 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU038532.D

Acq: 03 Jun 2020 22:26

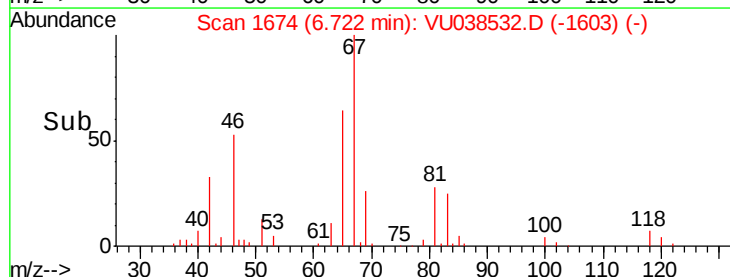
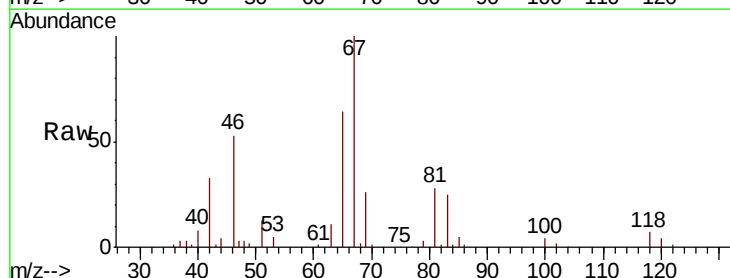
Tgt Ion: 83 Resp: 26186

Ion Ratio Lower Upper

83 100

55 0.2 63.4 95.2#

98 0.1 39.0 58.4#

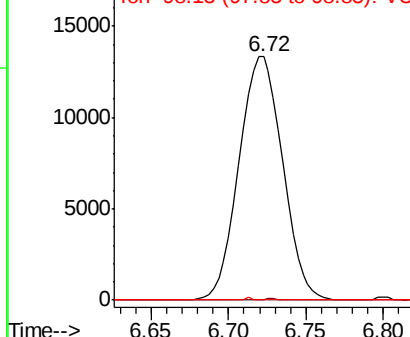


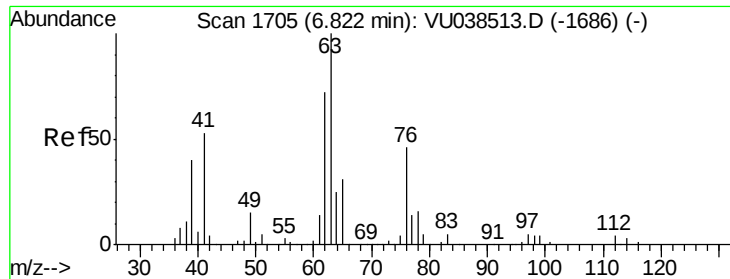
Abundance

Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

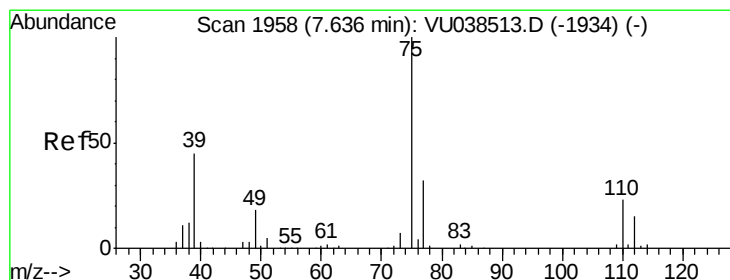
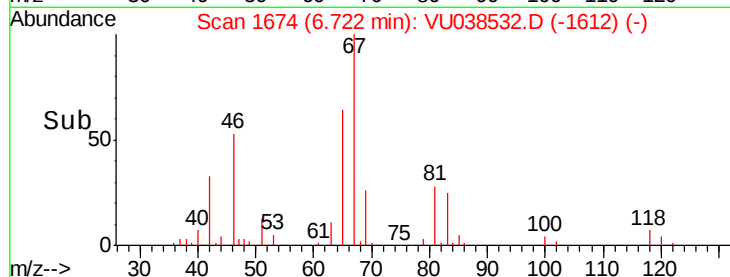
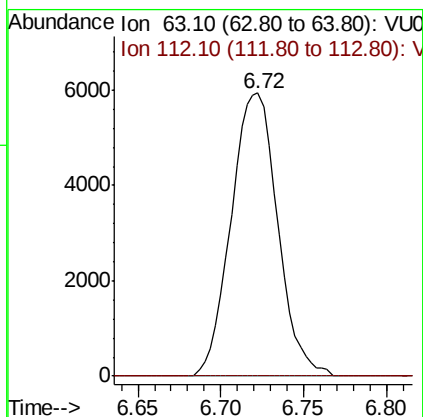
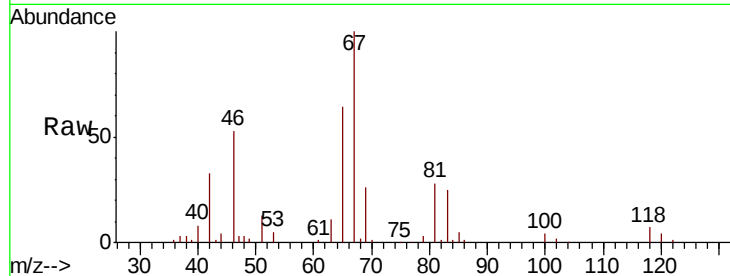




#37  
 1,2-Dichloropropane  
 Concen: 0.590 ug/L  
 RT: 6.72 min Scan# 1674  
 Delta R.T. -0.10 min  
 Lab File: VU038532.D  
 Acq: 03 Jun 2020 22:26

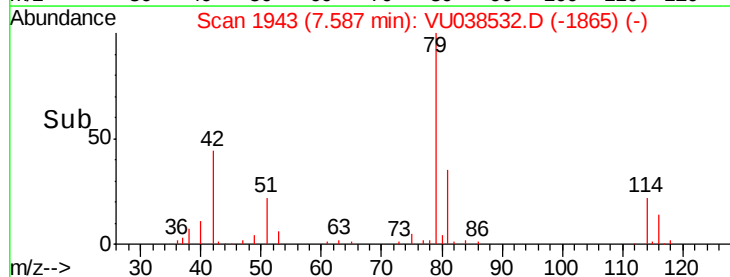
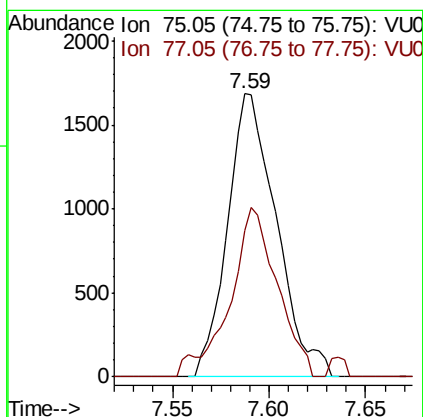
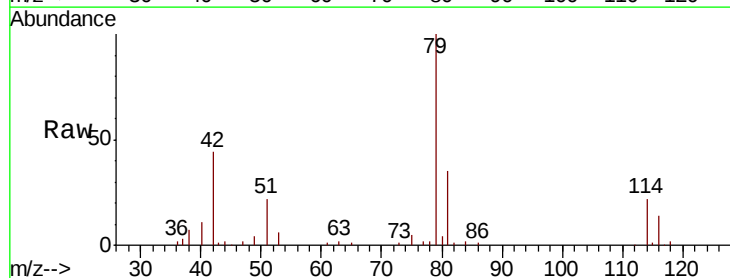
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 BFEN6

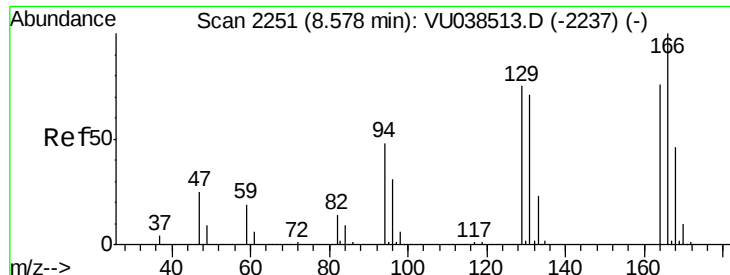
Tot Ion: 63 Resp: 11615  
 Ion Ratio Lower Upper  
 63 100  
 112 0.2 3.7 5.5#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.102 ug/L  
 RT: 7.59 min Scan# 1943  
 Delta R.T. -0.05 min  
 Lab File: VU038532.D  
 Acq: 03 Jun 2020 22:26

Tgt Ion: 75 Resp: 2961  
 Ion Ratio Lower Upper  
 75 100  
 77 51.5 21.9 40.7#





#47

Tetrachloroethene

Concen: 8.274 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038532.D

Acq: 03 Jun 2020 22:26

Instrument :

MSVOA\_U

ClientSampleId :

BFEN6

Tot Ion:164 Resp: 122102

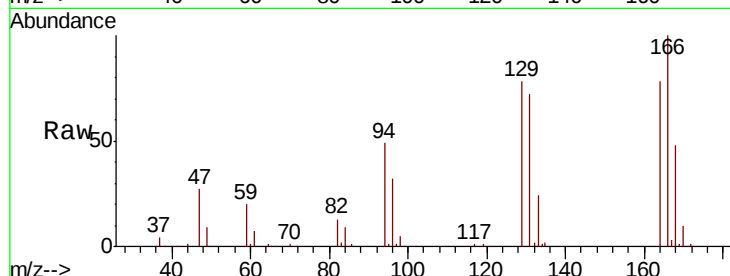
Ion Ratio Lower Upper

164 100

129 99.8 67.4 125.2

131 92.3 64.1 119.1

166 128.8 85.7 159.1

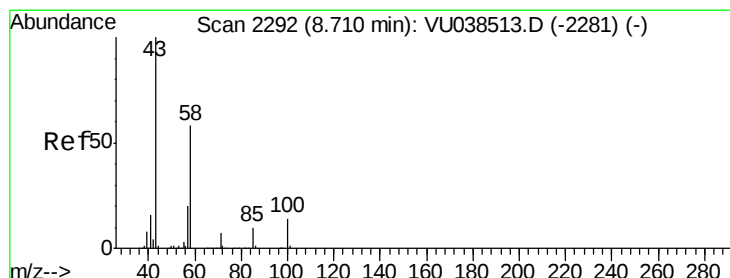
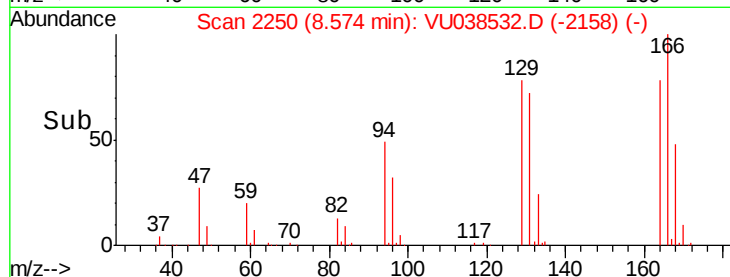
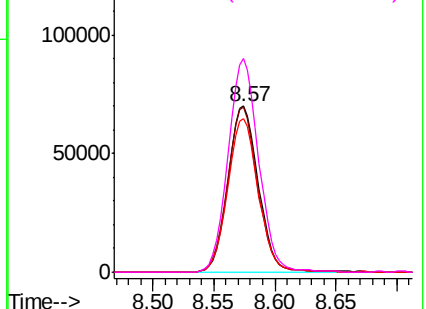


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.000 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038532.D

Acq: 03 Jun 2020 22:26

Tgt Ion: 43 Resp: 10667

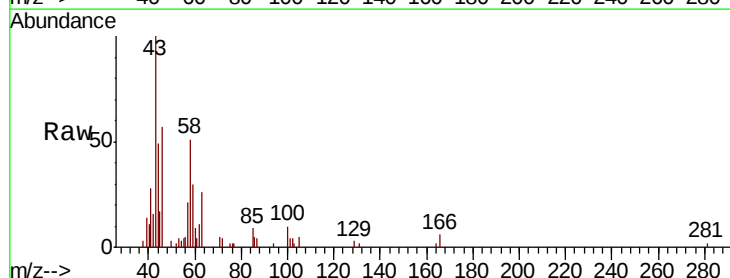
Ion Ratio Lower Upper

43 100

58 49.4 45.4 68.0

57 26.1 15.9 23.9#

100 9.5 10.5 15.7#

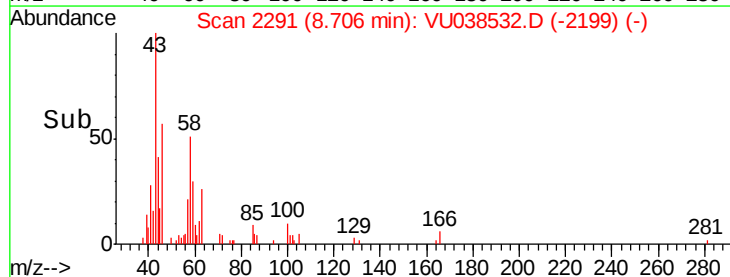
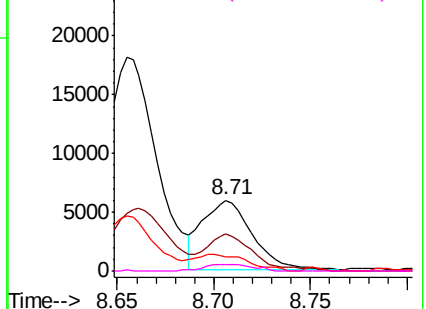


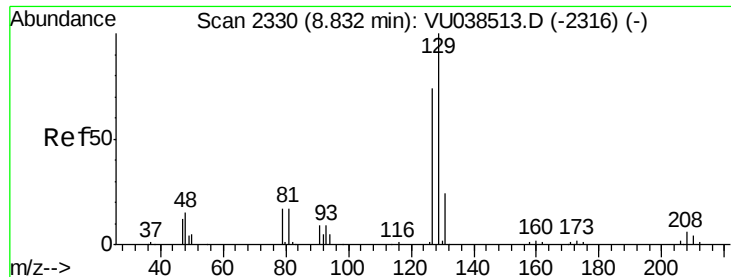
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

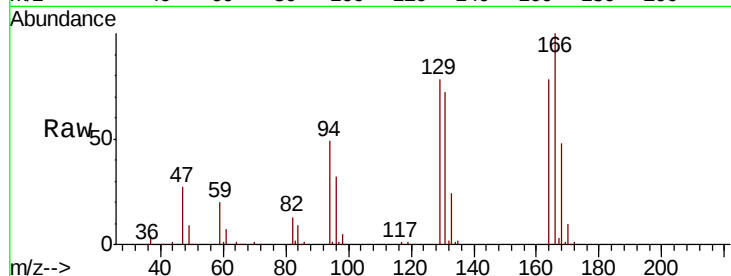




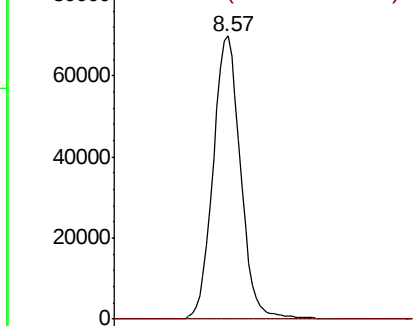
#49  
Dibromochloromethane  
Concen: 7.405 ug/L  
RT: 8.57 min Scan# 2250  
Delta R.T. -0.26 min  
Lab File: VU038532.D  
Acq: 03 Jun 2020 22:26

Instrument :  
MSVOA\_U  
ClientSampled :  
BFEN6

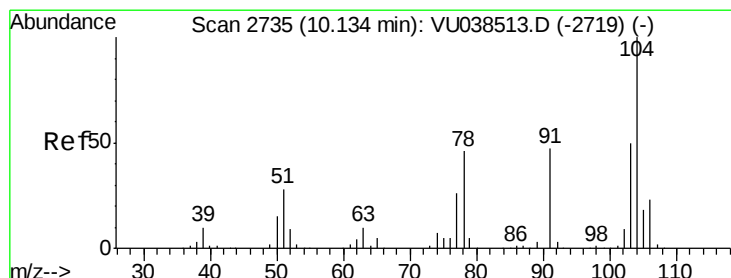
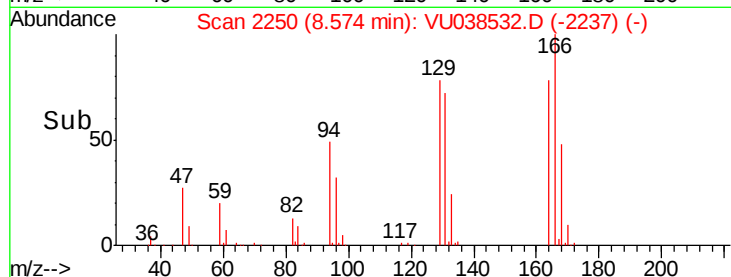
Tot Ion:129 Resp: 118749  
Ion Ratio Lower Upper  
129 100  
127 0.0 53.3 99.1#



Abundance Ion 128.95 (128.65 to 129.65): V  
Ion 126.90 (126.60 to 127.60): V

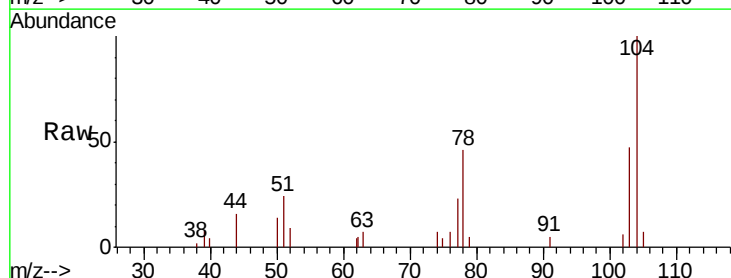


Time-->

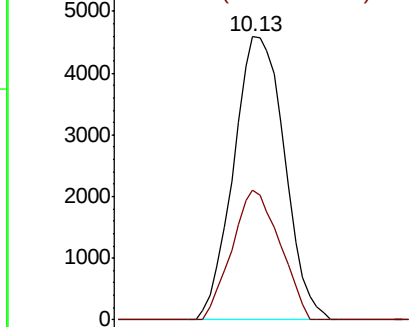


#55  
Styrene  
Concen: 0.128 ug/L  
RT: 10.13 min Scan# 2733  
Delta R.T. -0.01 min  
Lab File: VU038532.D  
Acq: 03 Jun 2020 22:26

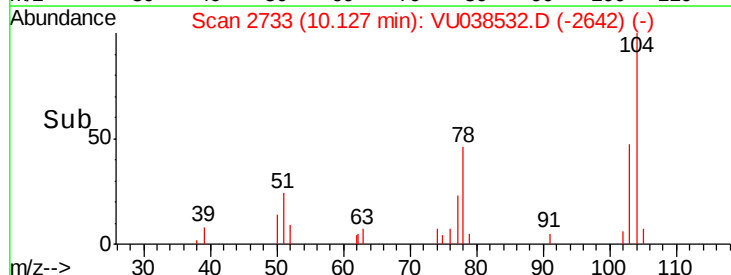
Tgt Ion:104 Resp: 7350  
Ion Ratio Lower Upper  
104 100  
78 46.0 31.9 59.3

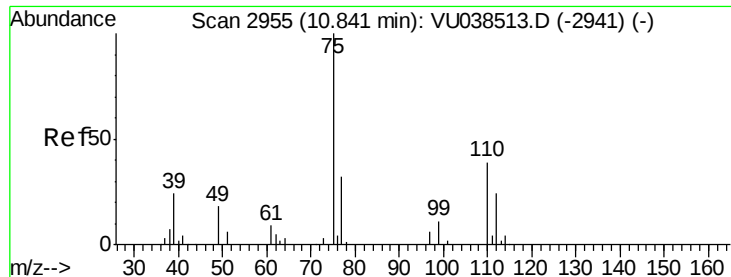


Abundance Ion 104.10 (103.80 to 104.80): V  
Ion 78.10 (77.80 to 78.80): VU0



Time-->





#59

1,2,3-Trichloropropane

Concen: 1.169 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038532.D

Acq: 03 Jun 2020 22:26

Instrument :

MSVOA\_U

ClientSampleId :

BFEN6

Tot Ion: 75 Resp: 17176

Ion Ratio Lower Upper

75 100

77 38.5 25.4 38.2#

