

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\  
 Data File : VU039117.D  
 Acq On : 25 Jun 2020 15:38  
 Operator : SY/MD  
 Sample : L3109-14DL 2X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9F58DL

Quant Time: Jun 26 01:02:28 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR062320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 26 00:59:08 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 259767   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 268580   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 122251   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 87190    | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.60%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 76894    | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 133159   | 3.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.80%  |
| 20) 2-Butanone-d5              | 4.68   | 46    | 433899   | 63.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 126.40% |
| 24) Chloroform-d               | 5.10   | 84    | 196111   | 5.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 104.80% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 123618   | 5.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 107.40% |
| 32) Benzene-d6                 | 5.76   | 84    | 369792   | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 128631   | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.80% |
| 41) Toluene-d8                 | 7.92   | 98    | 287120   | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.20%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 51049    | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.80%  |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 338369   | 60.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 120.54% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 120197   | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 103.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 122400   | 5.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 107.40% |

## Target Compounds

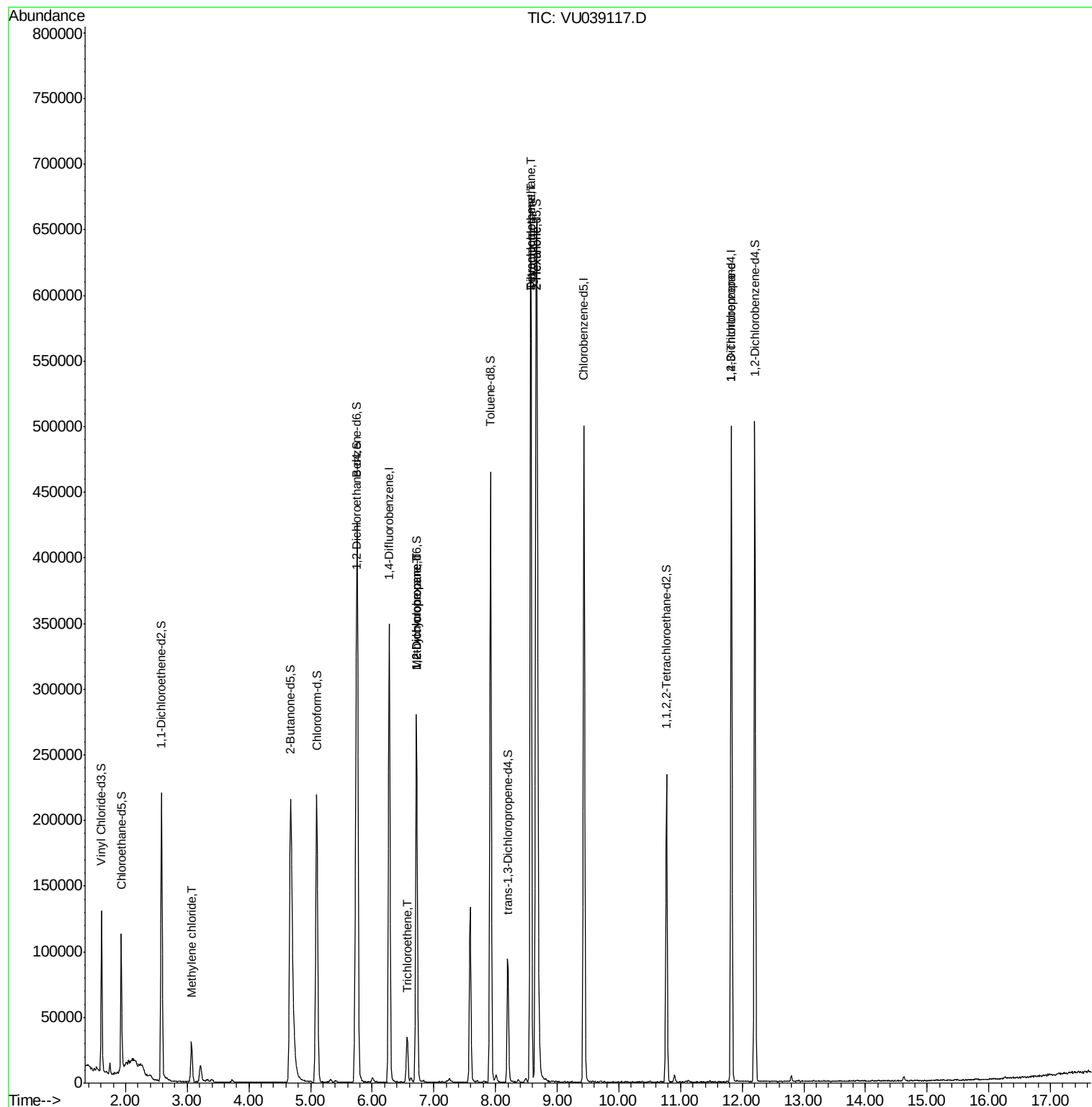
|                            |       |     |        |              | Ovalue |
|----------------------------|-------|-----|--------|--------------|--------|
| 16) Methylene chloride     | 3.07  | 84  | 13639  | 0.614 ug/L   | 95     |
| 34) Trichloroethene        | 6.57  | 95  | 10855  | 0.532 ug/L   | 93     |
| 35) Methylcyclohexane      | 6.72  | 83  | 30198  | 0.997 ug/L # | 17     |
| 37) 1,2-Dichloropropane    | 6.72  | 63  | 14471  | 0.633 ug/L # | 87     |
| 47) Tetrachloroethene      | 8.57  | 164 | 137296 | 9.333 ug/L   | 99     |
| 48) 2-Hexanone             | 8.66  | 43  | 43310  | 3.462 ug/L # | 68     |
| 49) Dibromochloromethane   | 8.57  | 129 | 137234 | 7.427 ug/L # | 10     |
| 59) 1,2,3-Trichloropropane | 11.83 | 75  | 17697  | 1.027 ug/L   | 94     |

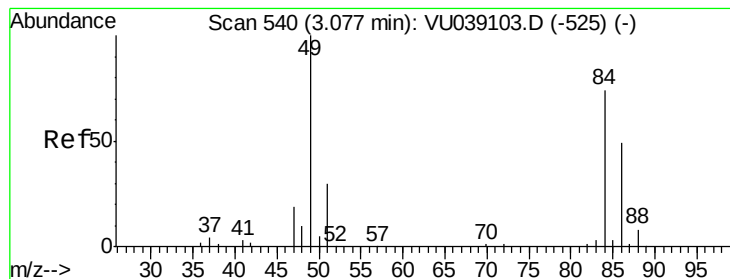
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 26 00:59:08 2020  
Response via : Initial Calibration





#16

Methylene chloride

Concen: 0.614 ug/L

RT: 3.07 min Scan# 538

Delta R.T. -0.01 min

Lab File: VU039117.D

Acq: 25 Jun 2020 15:38

Instrument :

MSVOA\_U

ClientSampleId :

F9F58DL

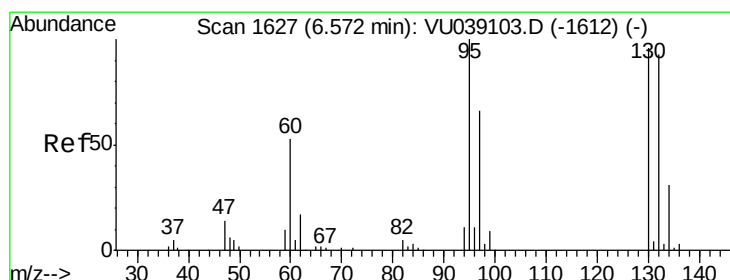
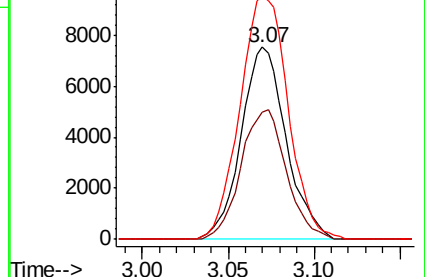
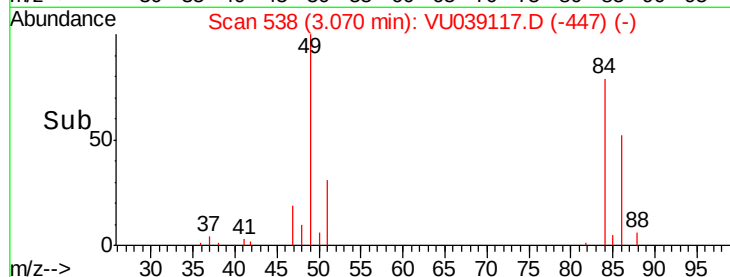
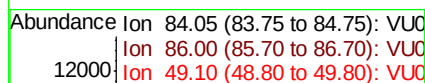
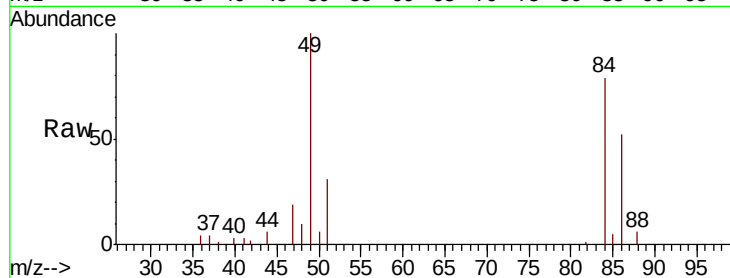
Tot Ion: 84 Resp: 13639

Ion Ratio Lower Upper

84 100

86 66.1 44.1 81.9

49 126.7 93.1 172.9



#34

Trichloroethene

Concen: 0.532 ug/L

RT: 6.57 min Scan# 1625

Delta R.T. -0.01 min

Lab File: VU039117.D

Acq: 25 Jun 2020 15:38

Tgt Ion: 95 Resp: 10855

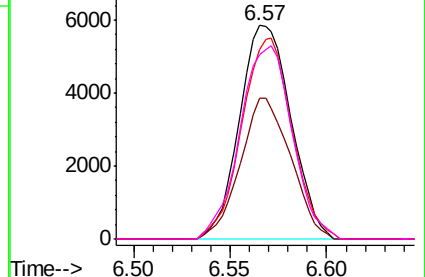
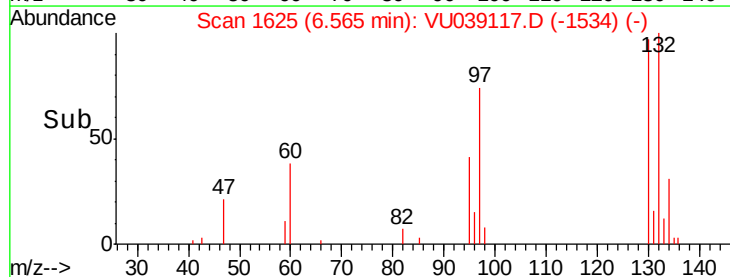
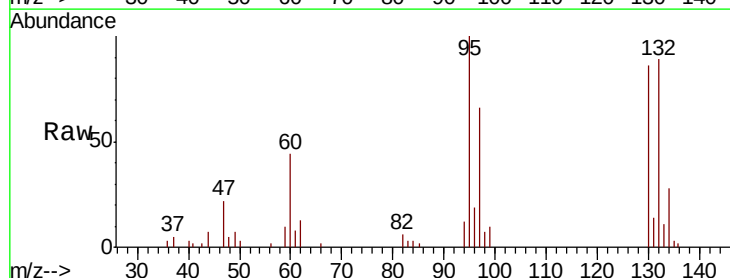
Ion Ratio Lower Upper

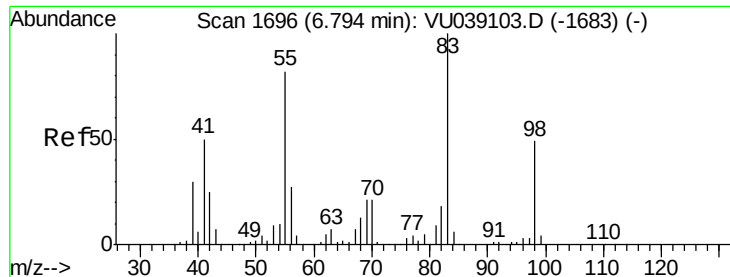
95 100

97 65.9 45.1 83.7

132 88.7 65.1 120.9

130 86.1 68.6 127.4

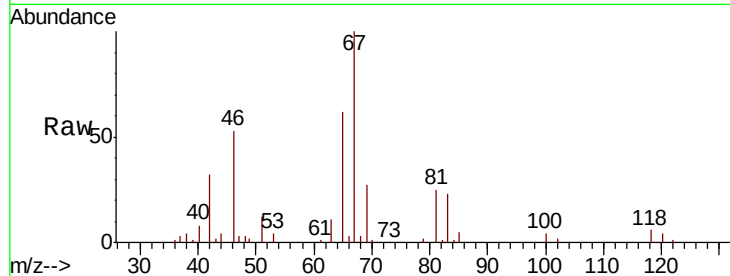




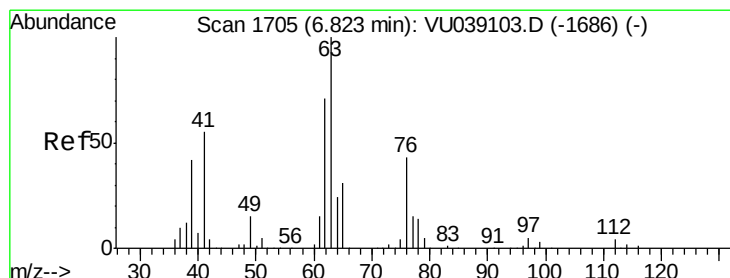
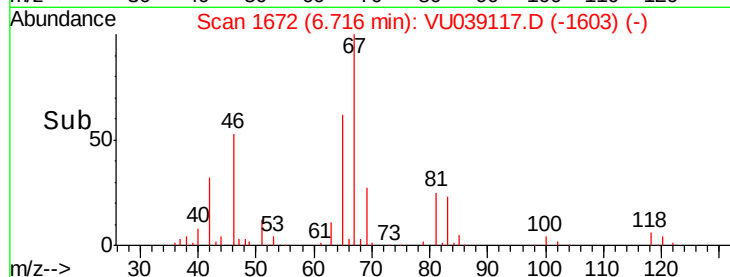
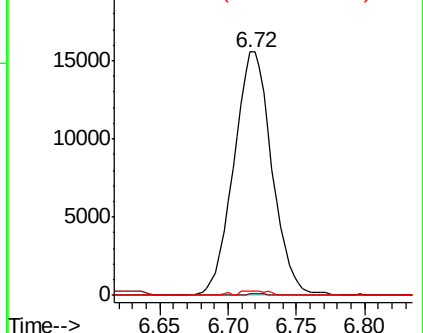
#35  
Methylvlcyclohexane  
Concen: 0.997 ug/L  
RT: 6.72 min Scan# 1672  
Delta R.T. -0.08 min  
Lab File: VU039117.D  
Acq: 25 Jun 2020 15:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9F58DL

Tot Ion: 83 Resp: 30198  
Ion Ratio Lower Upper  
83 100  
55 0.3 65.5 98.3#  
98 1.3 36.5 54.7#

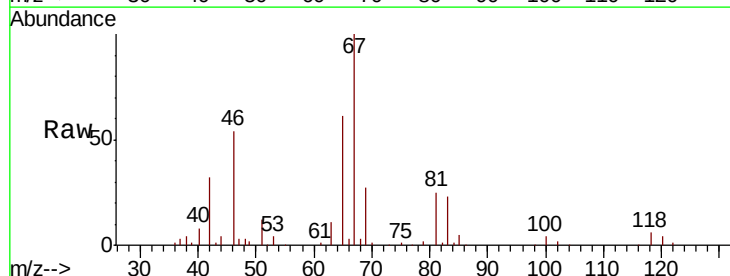


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

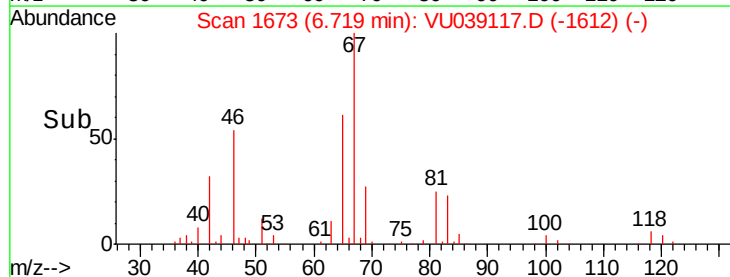
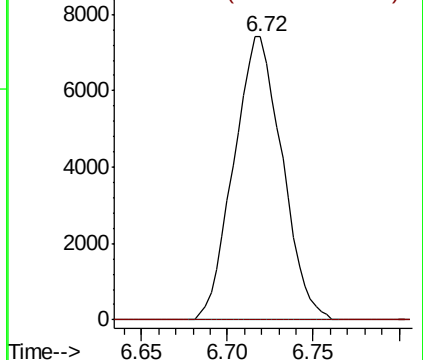


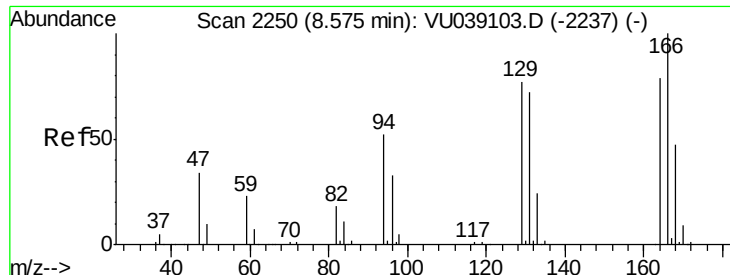
#37  
1,2-Dichloropropane  
Concen: 0.633 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.10 min  
Lab File: VU039117.D  
Acq: 25 Jun 2020 15:38

Tgt Ion: 63 Resp: 14471  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V





#47

Tetrachloroethene

Concen: 9.333 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU039117.D

Acq: 25 Jun 2020 15:38

Instrument :

MSVOA\_U

ClientSampleId :

F9F58DL

Tot Ion:164 Resp: 137296

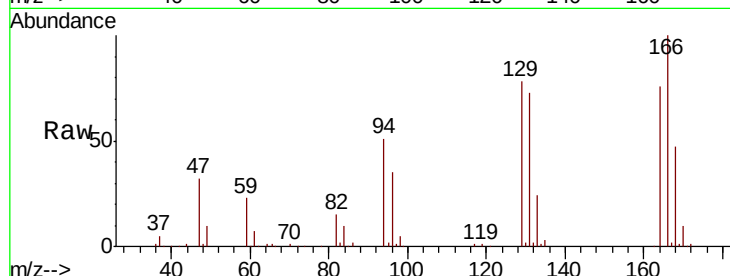
Ion Ratio Lower Upper

164 100

129 101.9 71.3 132.5

131 95.6 68.3 126.8

166 131.0 90.8 168.6

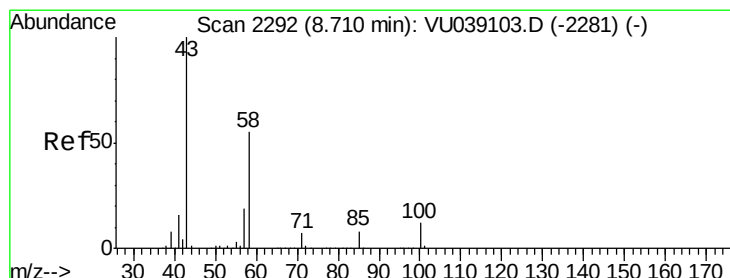
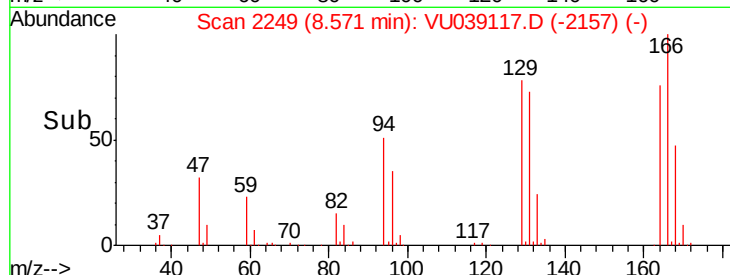
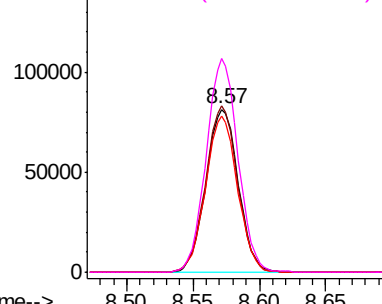


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.462 ug/L

RT: 8.66 min Scan# 2277

Delta R.T. -0.05 min

Lab File: VU039117.D

Acq: 25 Jun 2020 15:38

Tgt Ion: 43 Resp: 43310

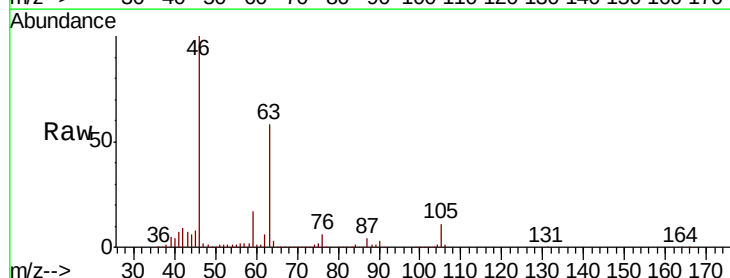
Ion Ratio Lower Upper

43 100

58 29.0 44.0 66.0#

57 28.2 15.0 22.6#

100 0.6 9.4 14.2#

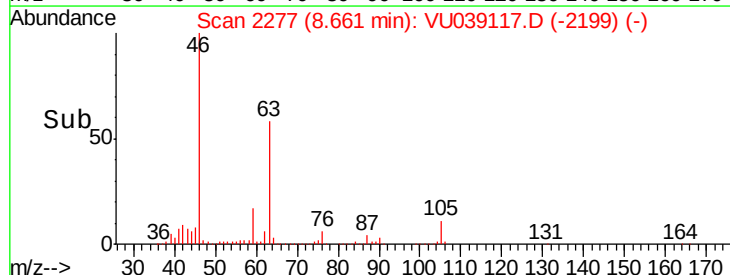
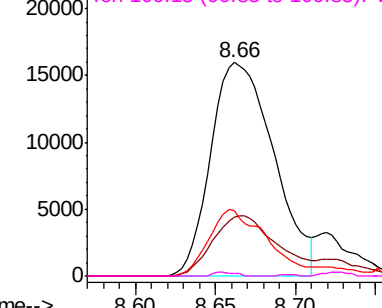


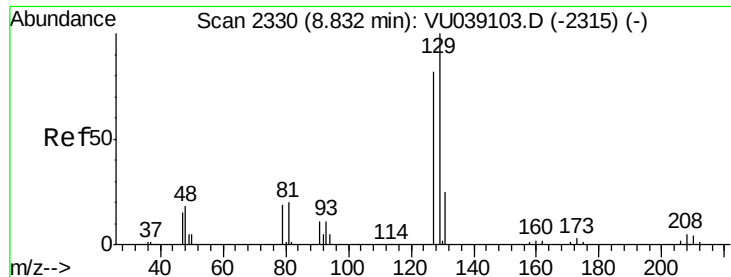
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 7.427 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU039117.D

Acq: 25 Jun 2020 15:38

Instrument :

MSVOA\_U

ClientSampleID :

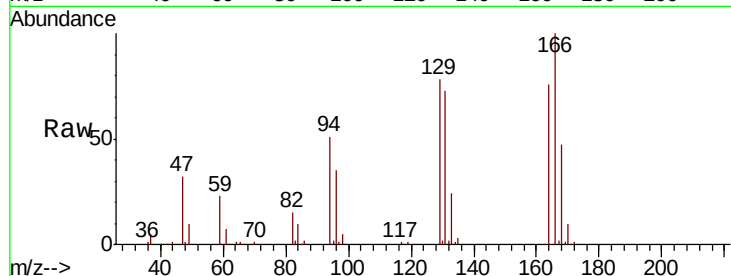
F9F58DL

Tot Ion:129 Resp: 137234

Ion Ratio Lower Upper

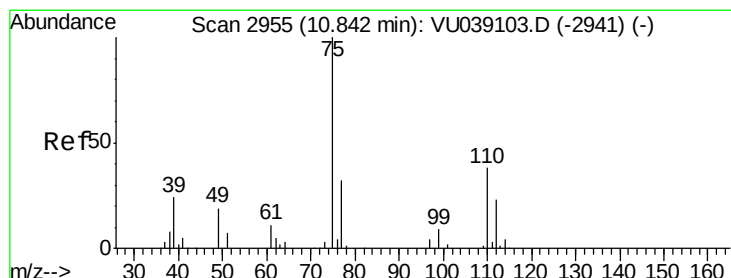
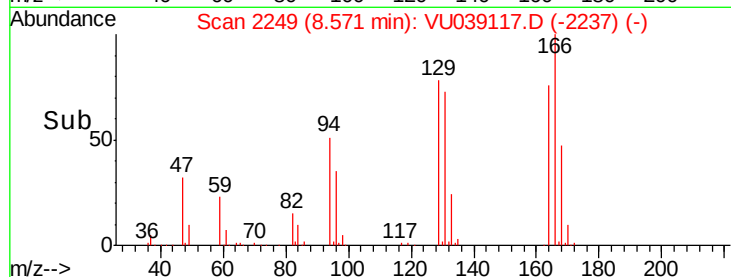
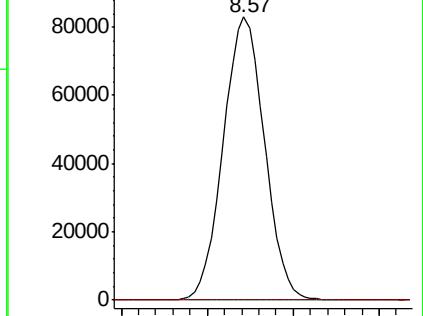
129 100

127 0.0 55.4 103.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.027 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU039117.D

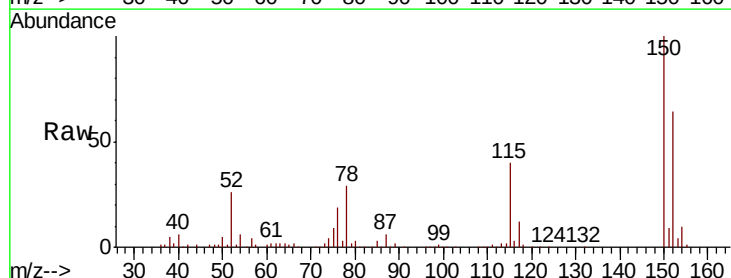
Acq: 25 Jun 2020 15:38

Tgt Ion: 75 Resp: 17697

Ion Ratio Lower Upper

75 100

77 36.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

