

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\  
 Data File : VU039135.D  
 Acq On : 26 Jun 2020 00:18  
 Operator : SY/MD  
 Sample : L3121-05  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9F27

Quant Time: Jun 26 04:22:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR062320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 26 04:20:15 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 247855   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.43  | 117  | 249368   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 108510   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 69303    | 3.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 76.40%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 70887    | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 109513   | 3.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 62.80%  |
| 20) 2-Butanone-d5              | 4.68   | 46    | 384383   | 58.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 117.36% |
| 24) Chloroform-d               | 5.10   | 84    | 177882   | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 112267   | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.20% |
| 32) Benzene-d6                 | 5.76   | 84    | 330389   | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 113781   | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.00%  |
| 41) Toluene-d8                 | 7.92   | 98    | 252358   | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.20%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 46278    | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.60%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 288015   | 55.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 110.52% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 103904   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 107048   | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.00% |

## Target Compounds

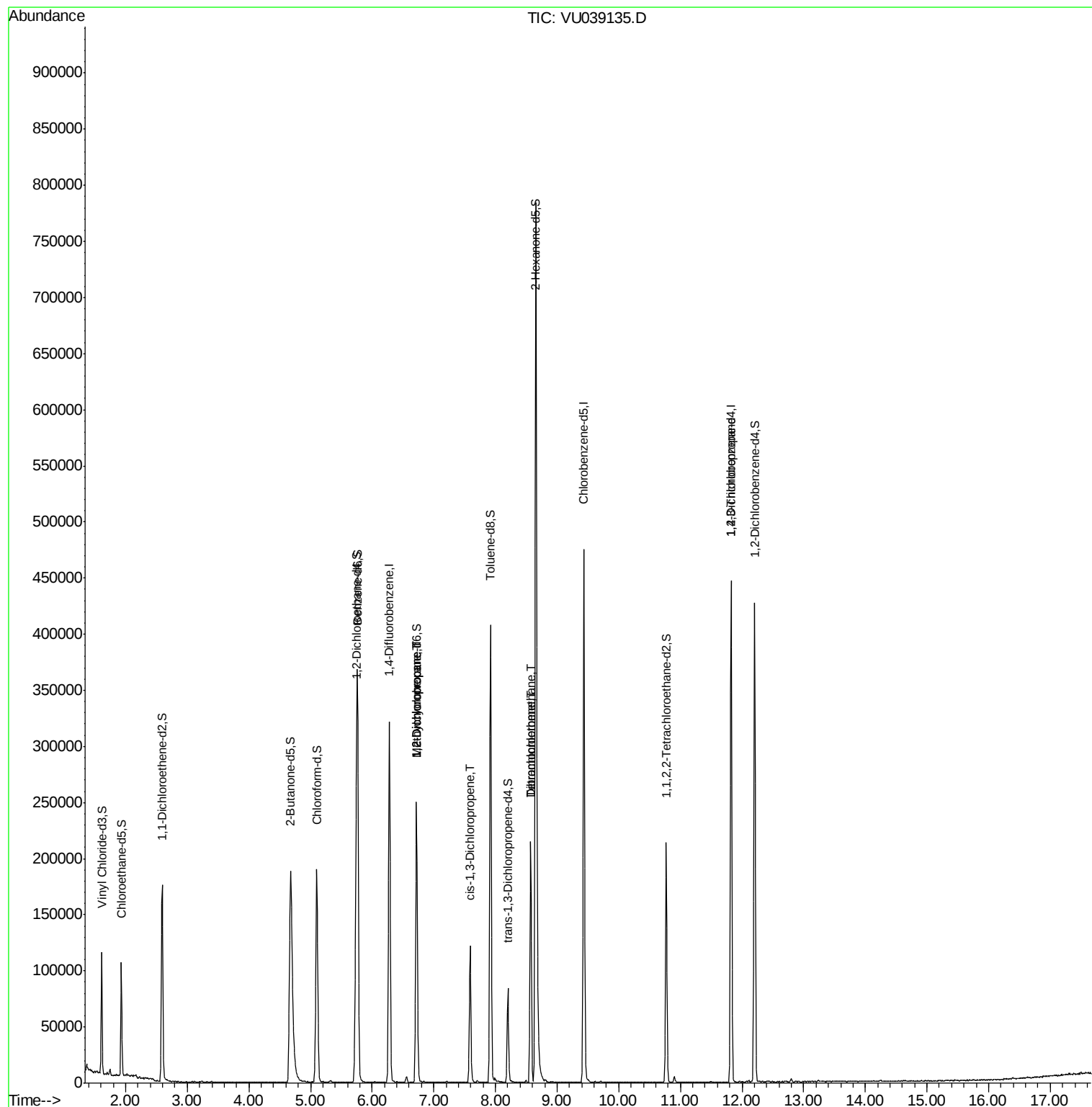
|                             |       |     |       |              | Ovalue |
|-----------------------------|-------|-----|-------|--------------|--------|
| 35) Methylcyclohexane       | 6.72  | 83  | 27388 | 0.974 ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.72  | 63  | 12421 | 0.585 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75  | 3070  | 0.104 ug/L # | 59     |
| 47) Tetrachloroethene       | 8.57  | 164 | 45315 | 3.318 ug/L   | 98     |
| 49) Dibromochloromethane    | 8.57  | 129 | 43853 | 2.556 ug/L # | 10     |
| 59) 1,2,3-Trichloropropane  | 11.82 | 75  | 15463 | 0.966 ug/L   | 93     |

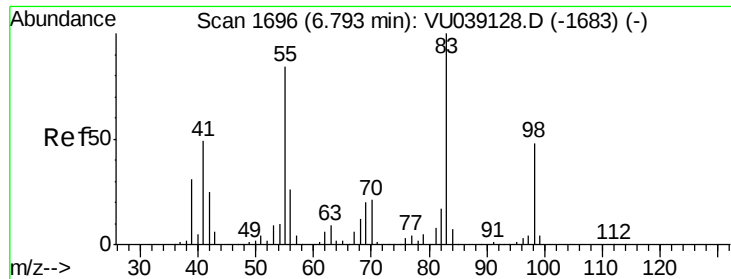
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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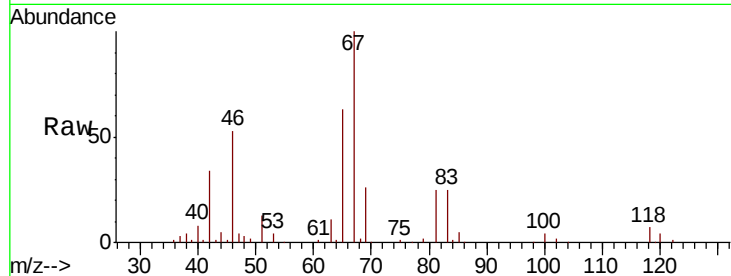




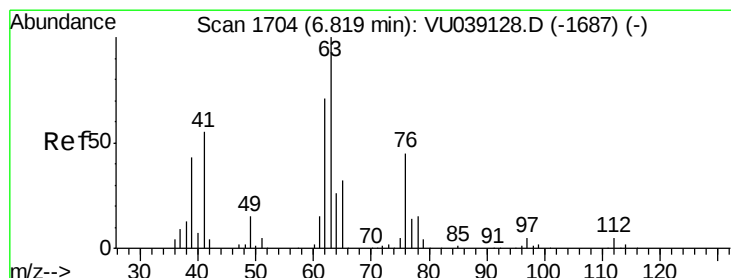
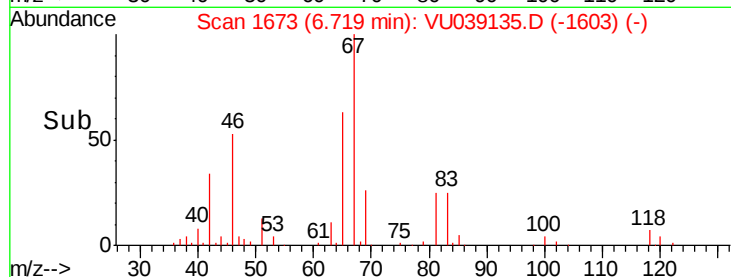
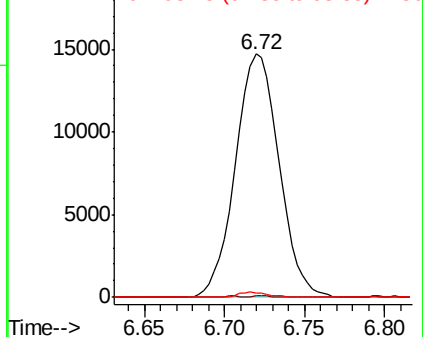
#35  
Methvlcvclohexane  
Concen: 0.974 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.07 min  
Lab File: VU039135.D  
Acq: 26 Jun 2020 00:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9F27

Tot Ion: 83 Resp: 27388  
Ion Ratio Lower Upper  
83 100  
55 0.2 65.5 98.3#  
98 1.4 36.5 54.7#

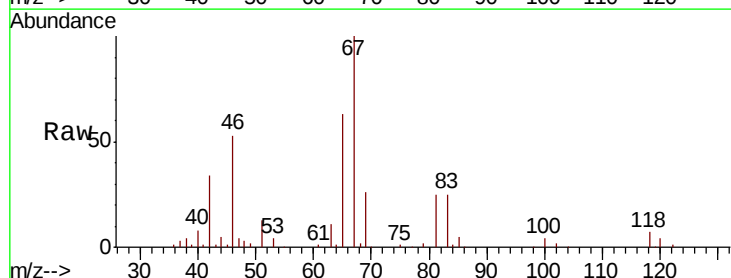


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

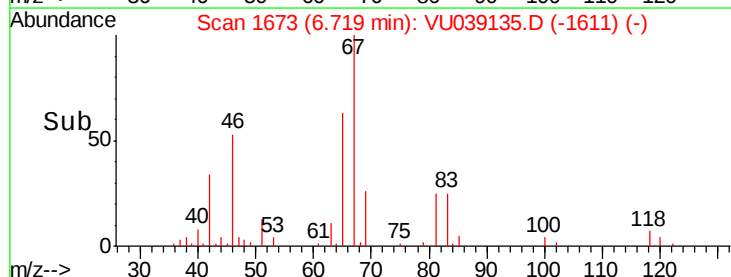
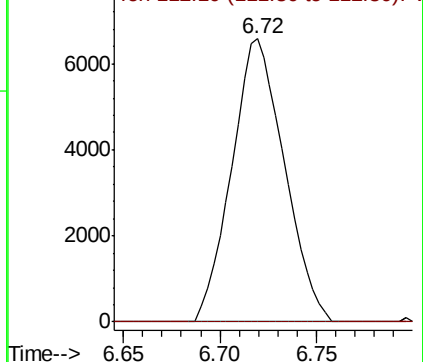


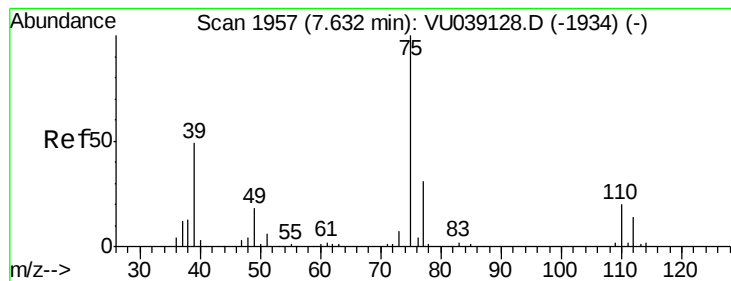
#37  
1,2-Dichloropropane  
Concen: 0.585 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.10 min  
Lab File: VU039135.D  
Acq: 26 Jun 2020 00:18

Tgt Ion: 63 Resp: 12421  
Ion Ratio Lower Upper  
63 100  
112 0.3 3.4 5.2#



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



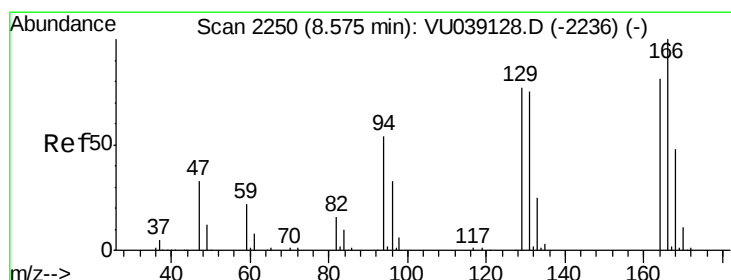
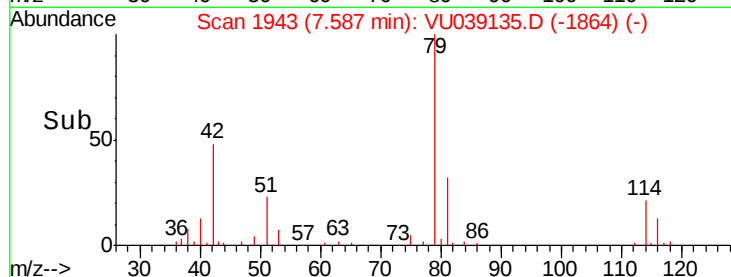
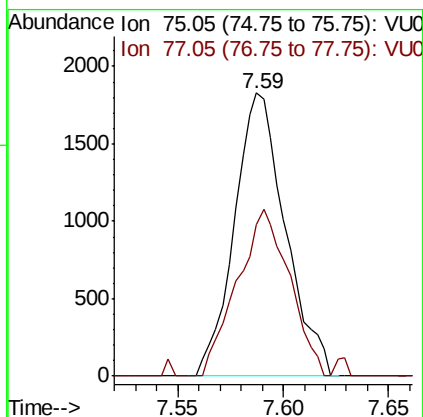
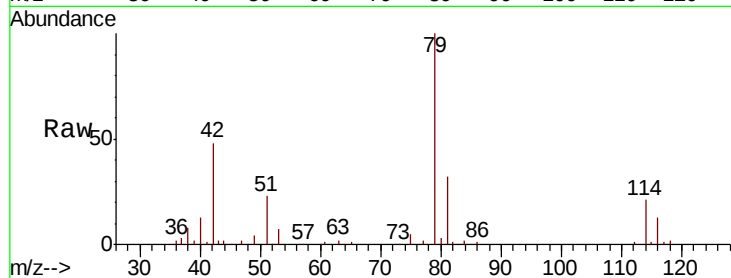


#39

cis-1,3-Dichloropropene  
 Concen: 0.104 ug/L  
 RT: 7.59 min Scan# 1943  
 Delta R.T. -0.05 min  
 Lab File: VU039135.D  
 Acq: 26 Jun 2020 00:18

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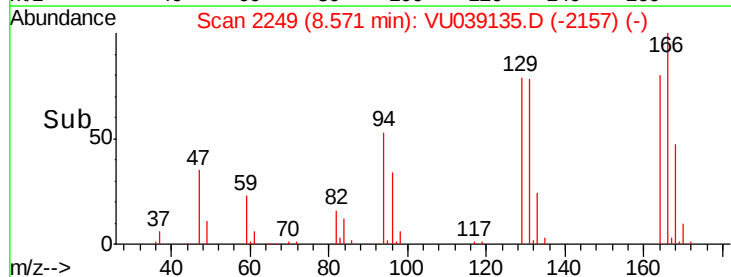
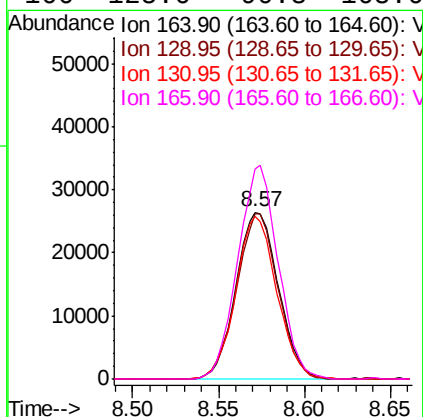
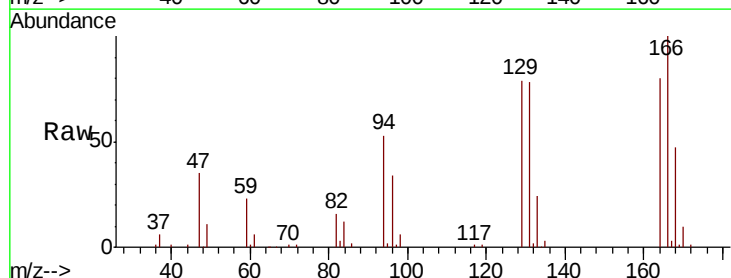
Tot Ion: 75 Resp: 3070  
 Ion Ratio Lower Upper  
 75 100  
 77 53.3 21.6 40.0#

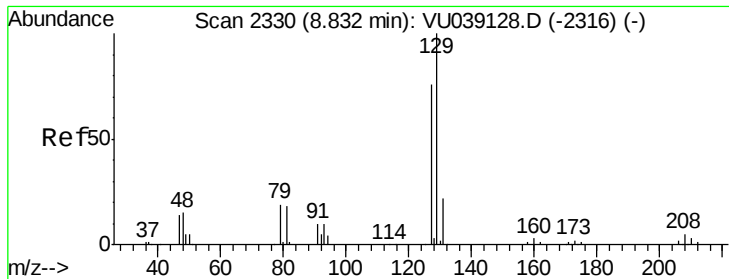


#47

Tetrachloroethene  
 Concen: 3.318 ug/L  
 RT: 8.57 min Scan# 2249  
 Delta R.T. -0.00 min  
 Lab File: VU039135.D  
 Acq: 26 Jun 2020 00:18

Tgt Ion:164 Resp: 45315  
 Ion Ratio Lower Upper  
 164 100  
 129 98.8 71.3 132.5  
 131 97.7 68.3 126.8  
 166 125.6 90.8 168.6





#49

Dibromochloromethane

Concen: 2.556 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU039135.D

Acq: 26 Jun 2020 00:18

Instrument :

MSVOA\_U

ClientSampleId :

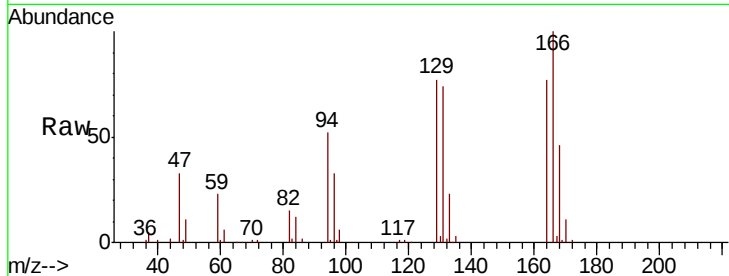
F9F27

Tot Ion:129 Resp: 43853

Ion Ratio Lower Upper

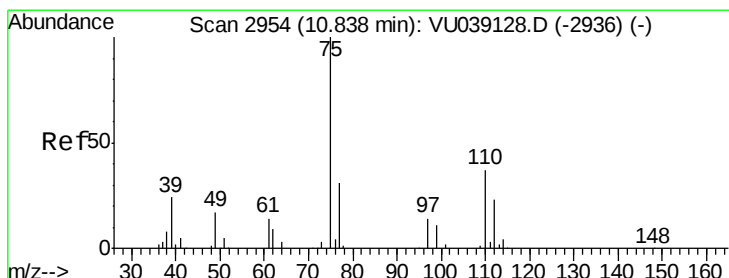
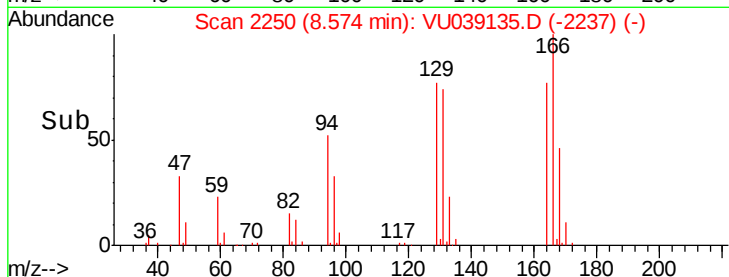
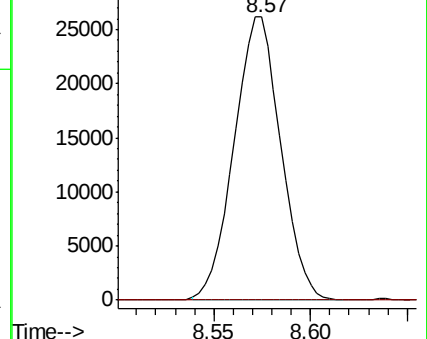
129 100

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: 0.966 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU039135.D

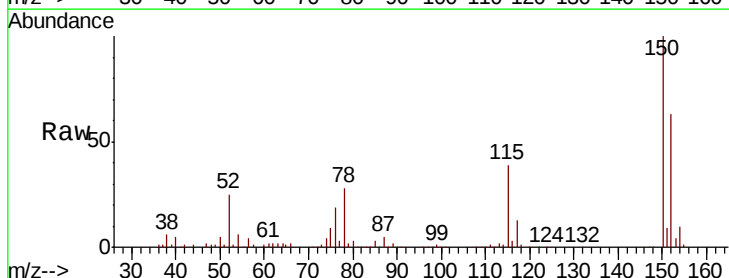
Acq: 26 Jun 2020 00:18

Tgt Ion: 75 Resp: 15463

Ion Ratio Lower Upper

75 100

77 36.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

