

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122619\  
 Data File : VU036347.D  
 Acq On : 26 Dec 2019 15:21  
 Operator : JC/MD  
 Sample : K6404-19  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 26 15:43:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121319WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Dec 26 15:41:25 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 253548   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 278925   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 113753   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 121955   | 5.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 109.20% |
| 7) Chloroethane-d5             | 1.93   | 69    | 114069   | 5.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 114.00% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 137686   | 4.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 85.60%  |
| 20) 2-Butanone-d5              | 4.69   | 46    | 222374   | 53.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 106.32% |
| 24) Chloroform-d               | 5.11   | 84    | 205303   | 5.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 114.40% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 104071   | 5.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 110.40% |
| 32) Benzene-d6                 | 5.77   | 84    | 385880   | 5.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 110.00% |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 121231   | 5.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 109.80% |
| 41) Toluene-d8                 | 7.93   | 98    | 319546   | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.80%  |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 45922    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 101.00% |
| 46) 2-Hexanone-d5              | 8.67   | 63    | 179775   | 51.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 103.44% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78  | 84    | 103120   | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 124791   | 5.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 114.60% |

## Target Compounds

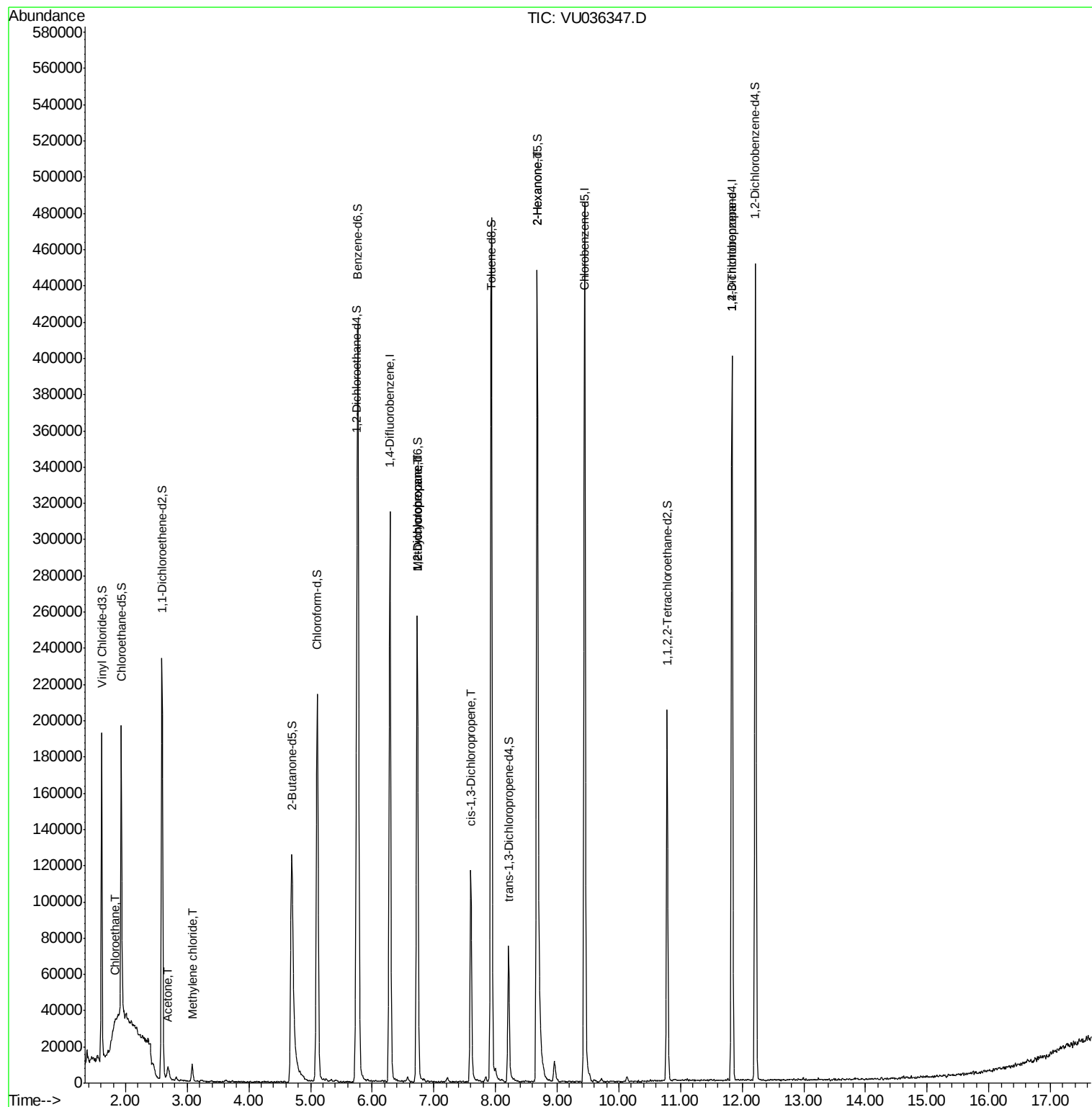
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 8) Chloroethane             | 1.82  | 64 | 50962 | 2.533 ug/L # | 51     |
| 13) Acetone                 | 2.68  | 43 | 11613 | 3.186 ug/L   | 88     |
| 16) Methylene chloride      | 3.08  | 84 | 4373  | 0.158 ug/L   | 95     |
| 35) Methylcyclohexane       | 6.73  | 83 | 30572 | 0.973 ug/L # | 19     |
| 37) 1,2-Dichloropropane     | 6.73  | 63 | 12973 | 0.593 ug/L # | 85     |
| 39) cis-1,3-Dichloropropene | 7.60  | 75 | 2819  | 0.095 ug/L # | 34     |
| 48) 2-Hexanone              | 8.68  | 43 | 22745 | 2.664 ug/L # | 72     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 13015 | 0.895 ug/L   | 95     |

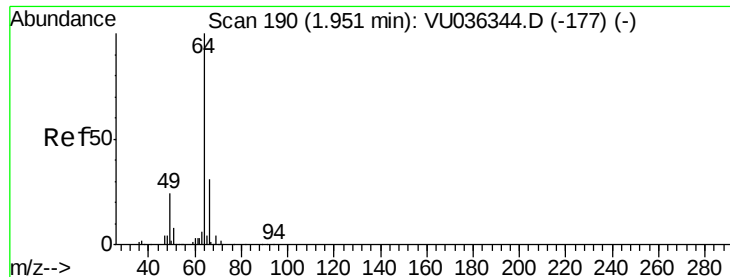
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : K6404-19  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Dec 26 15:43:47 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121319WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Dec 26 15:41:25 2019  
Response via : Initial Calibration





#8

Chloroethane

Concen: 2.533 ug/L

RT: 1.82 min Scan# 149

Delta R.T. -0.13 min

Lab File: VU036347.D

Acq: 26 Dec 2019 15:21

Instrument :

MSVOA\_U

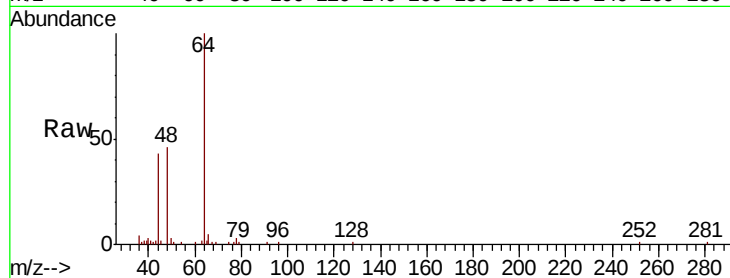
ClientSampleId :

Tot Ion: 64 Resp: 50962

Ion Ratio Lower Upper

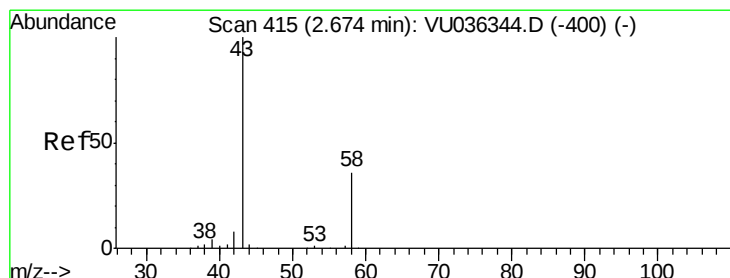
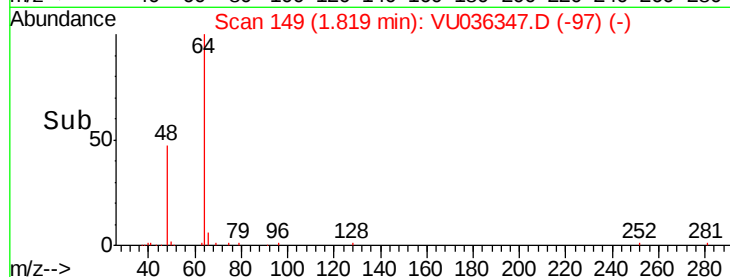
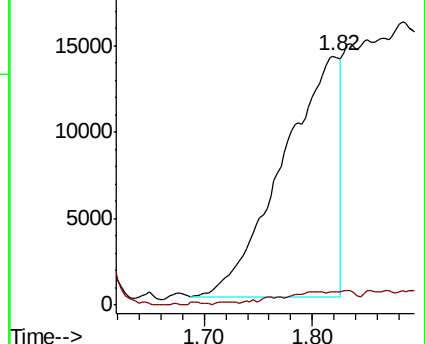
64 100

66 5.4 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VU036347.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU036347.D (-177) (-)



#13

Acetone

Concen: 3.186 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.01 min

Lab File: VU036347.D

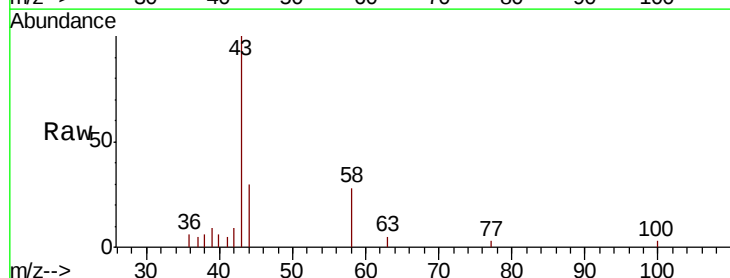
Acq: 26 Dec 2019 15:21

Tgt Ion: 43 Resp: 11613

Ion Ratio Lower Upper

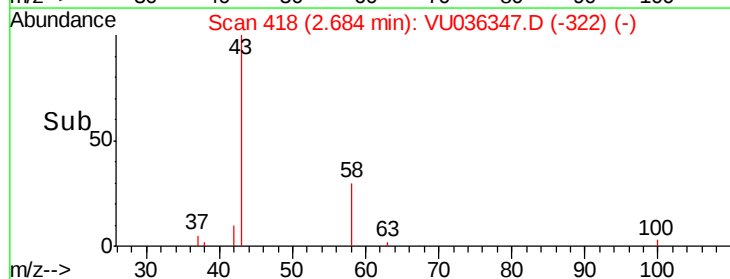
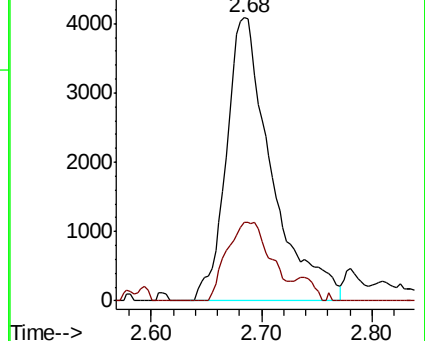
43 100

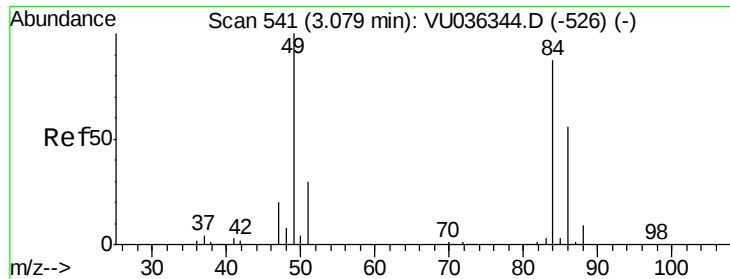
58 26.7 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036347.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU036347.D (-400) (-)

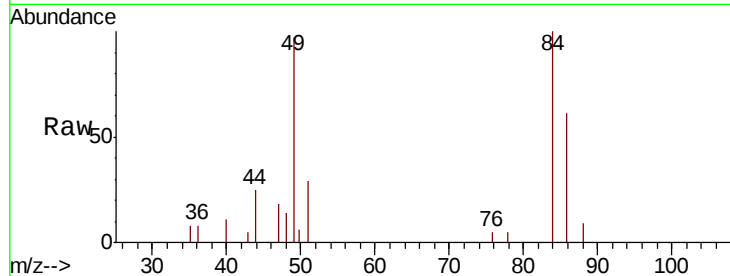




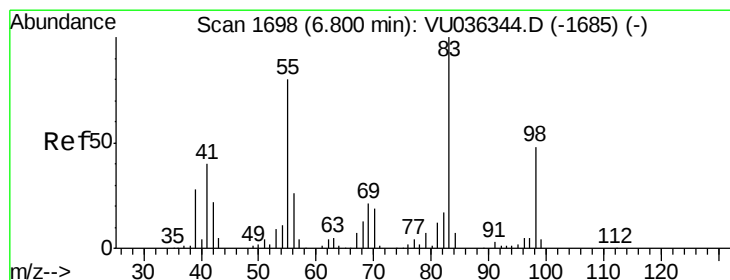
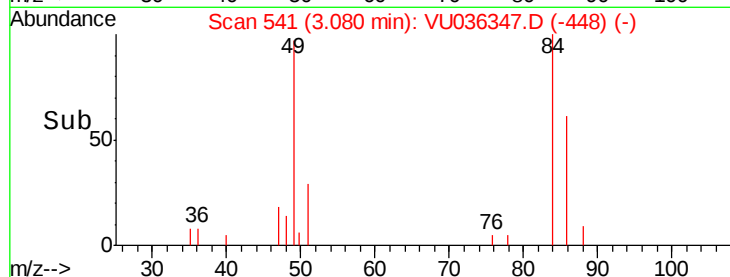
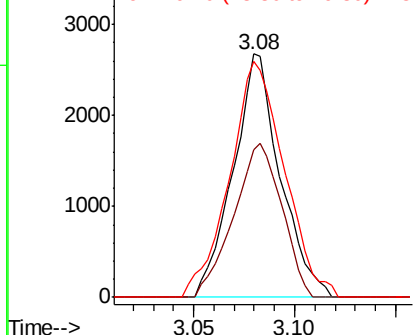
#16  
Methvlene chloride  
Concen: 0.158 ug/L  
RT: 3.08 min Scan# 541  
Delta R.T. 0.00 min  
Lab File: VU036347.D  
Acq: 26 Dec 2019 15:21

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 84 Resp: 4373  
Ion Ratio Lower Upper  
84 100  
86 60.6 43.0 79.8  
49 102.9 77.3 143.5

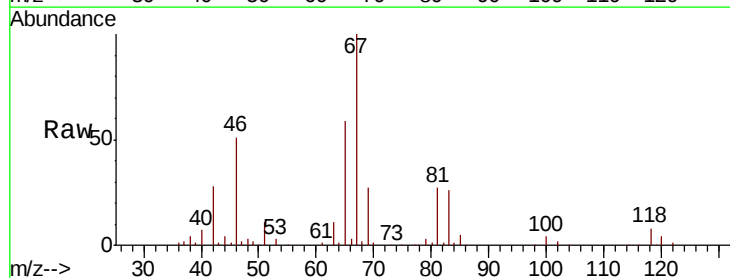


Abundance Ion 84.05 (83.75 to 84.75): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.10 (48.80 to 49.80): VU0

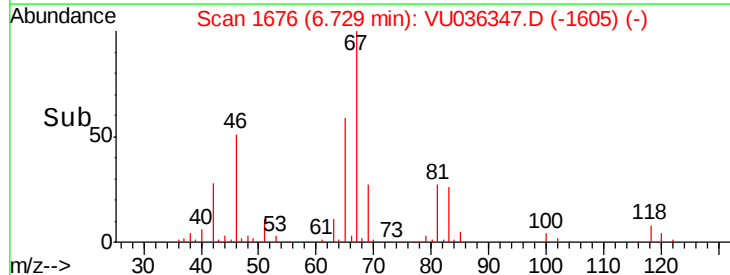
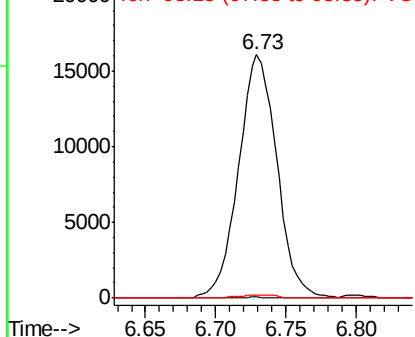


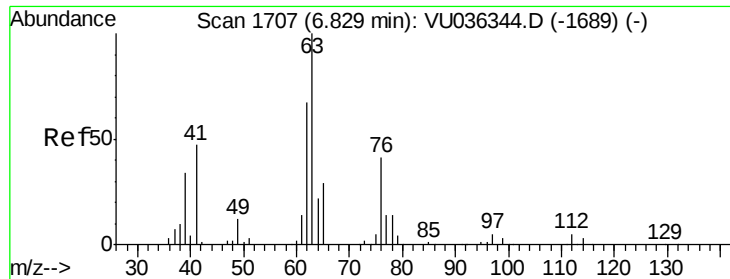
#35  
Methylcyclohexane  
Concen: 0.973 ug/L  
RT: 6.73 min Scan# 1676  
Delta R.T. -0.07 min  
Lab File: VU036347.D  
Acq: 26 Dec 2019 15:21

Tgt Ion: 83 Resp: 30572  
Ion Ratio Lower Upper  
83 100  
55 0.1 62.6 94.0#  
98 1.3 36.2 54.2#



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

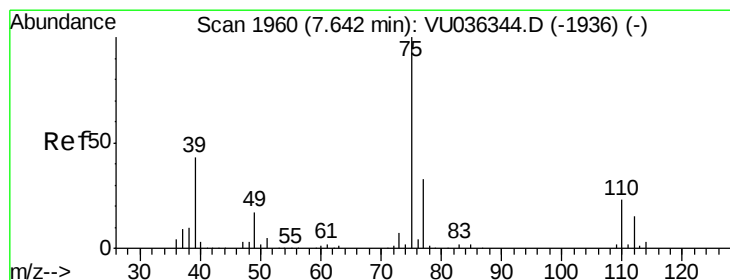
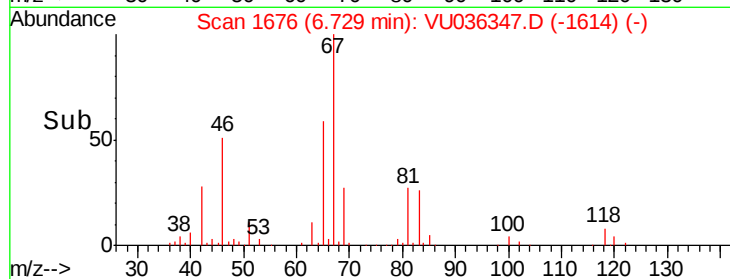
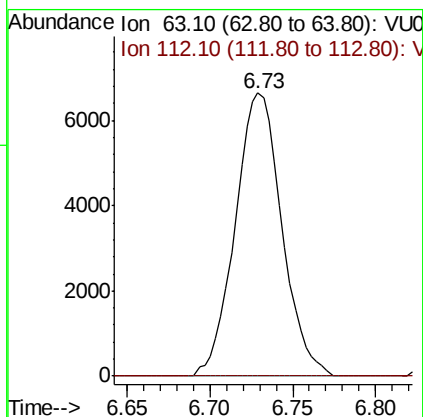
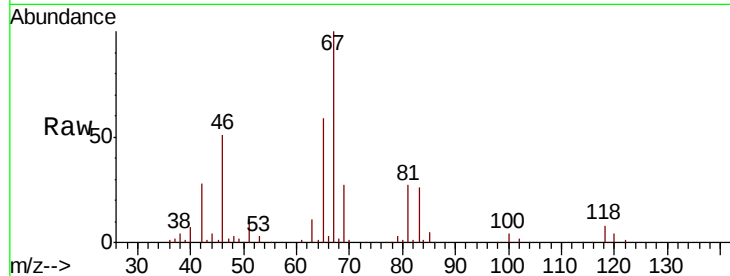




#37  
 1,2-Dichloropropane  
 Concen: 0.593 ug/L  
 RT: 6.73 min Scan# 1676  
 Delta R.T. -0.10 min  
 Lab File: VU036347.D  
 Acq: 26 Dec 2019 15:21

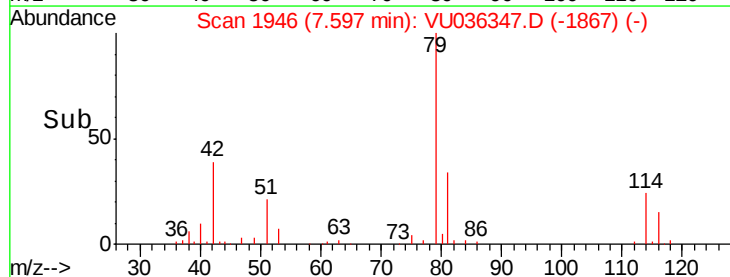
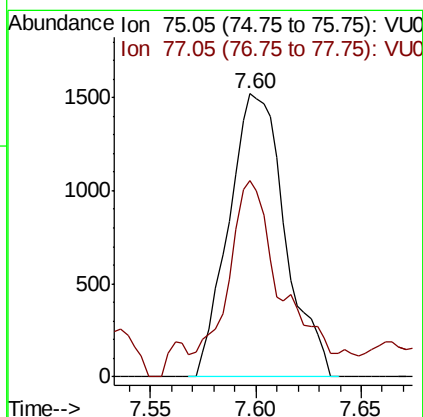
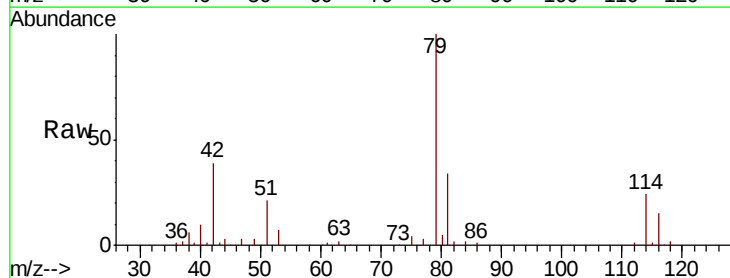
Instrument :  
 MSVOA\_U  
 ClientSampled :

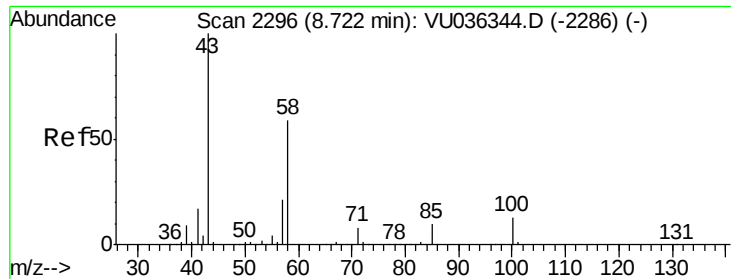
Tot Ion: 63 Resp: 12973  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.8 5.8#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.095 ug/L  
 RT: 7.60 min Scan# 1946  
 Delta R.T. -0.04 min  
 Lab File: VU036347.D  
 Acq: 26 Dec 2019 15:21

Tgt Ion: 75 Resp: 2819  
 Ion Ratio Lower Upper  
 75 100  
 77 69.2 22.7 42.1#

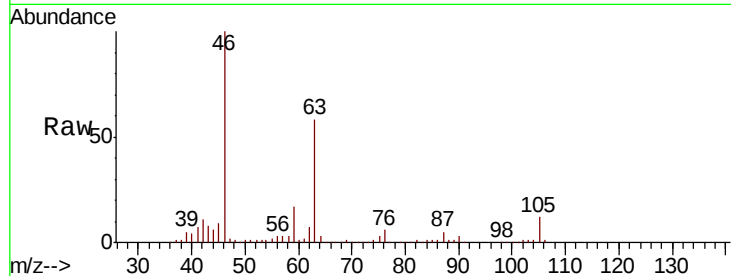




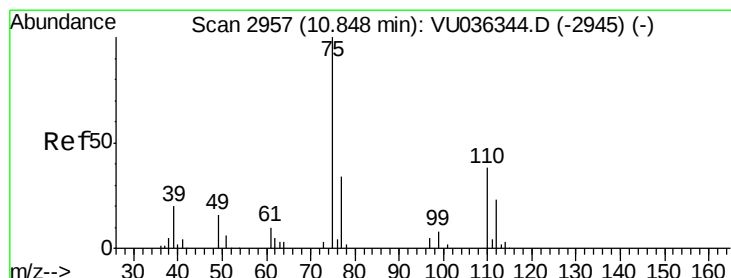
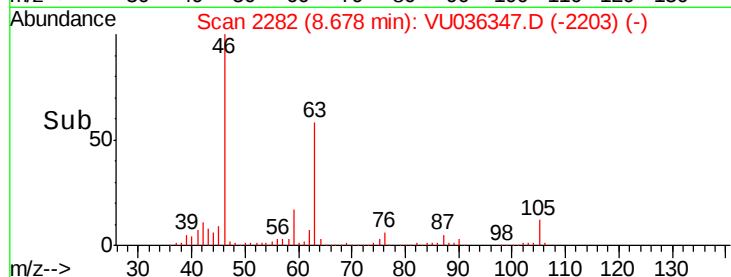
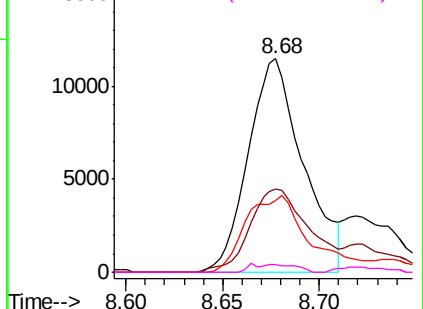
#48  
 2-Hexanone  
 Concen: 2.664 ug/L  
 RT: 8.68 min Scan# 2282  
 Delta R.T. -0.04 min  
 Lab File: VU036347.D  
 Acq: 26 Dec 2019 15:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion: 43 Resp: 22745  
 Ion Ratio Lower Upper  
 43 100  
 58 41.7 46.2 69.2#  
 57 41.4 16.2 24.4#  
 100 1.9 10.2 15.4#

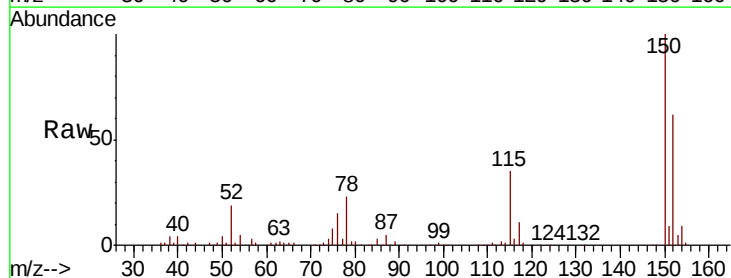


Abundance Ion 43.05 (42.75 to 43.75): VU0  
 Ion 58.05 (57.75 to 58.75): VU0  
 Ion 57.20 (56.90 to 57.90): VU0  
 Ion 100.15 (99.85 to 100.85): VU0



#59  
 1,2,3-Trichloropropane  
 Concen: 0.895 ug/L  
 RT: 11.83 min Scan# 3264  
 Delta R.T. 0.99 min  
 Lab File: VU036347.D  
 Acq: 26 Dec 2019 15:21

Tgt Ion: 75 Resp: 13015  
 Ion Ratio Lower Upper  
 75 100  
 77 36.6 27.2 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU0  
 Ion 77.00 (76.70 to 77.70): VU0

