

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082620\  
 Data File : VU039979.D  
 Acq On : 26 Aug 2020 12:00  
 Operator : SY/MD  
 Sample : L3807-07  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFWs2

Quant Time: Aug 27 00:52:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR081920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Aug 27 00:51:02 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 65832    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 67082    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 36967    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 24808    | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 86.40%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 23145    | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 41614    | 3.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 74.80%  |
| 20) 2-Butanone-d5              | 4.65   | 46    | 92107    | 50.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 100.24% |
| 24) Chloroform-d               | 5.08   | 84    | 54728    | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.40% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 31470    | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.40% |
| 32) Benzene-d6                 | 5.74   | 84    | 99872    | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.00% |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 33561    | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.80% |
| 41) Toluene-d8                 | 7.90   | 98    | 84876    | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.00%  |
| 43) trans-1,3-Dichloropropene- | 8.18   | 79    | 13397    | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 97.00%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 64058    | 45.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 91.32%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 26937    | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 36238    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.40%  |

## Target Compounds

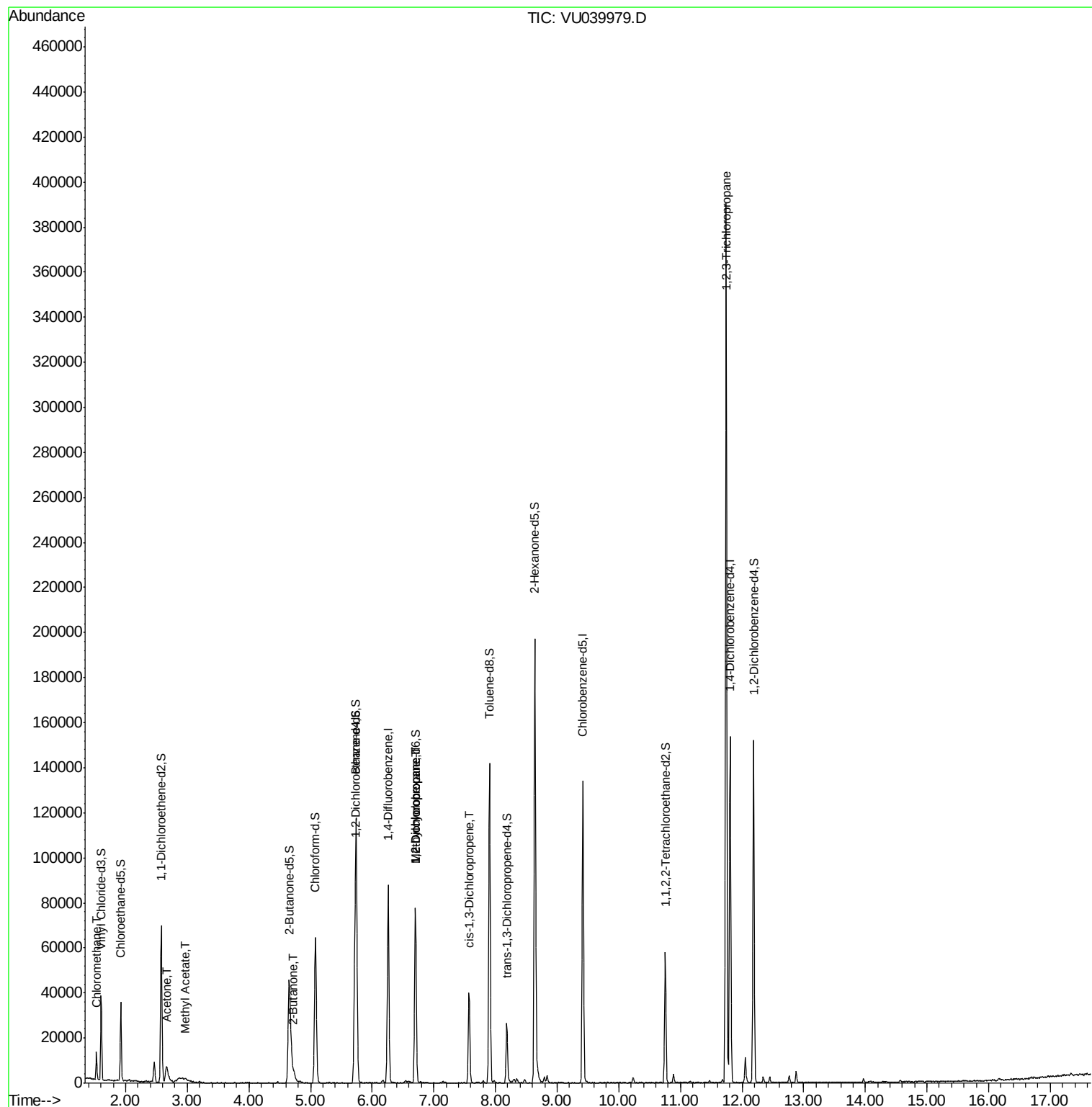
|                             |       |    |       |               | Ovalue |
|-----------------------------|-------|----|-------|---------------|--------|
| 3) Chloromethane            | 1.53  | 50 | 8341  | 1.077 ug/L    | 99     |
| 13) Acetone                 | 2.66  | 43 | 16197 | 12.899 ug/L # | 52     |
| 15) Methyl Acetate          | 2.97  | 43 | 868   | 0.269 ug/L #  | 56     |
| 21) 2-Butanone              | 4.73  | 43 | 3671  | 1.683 ug/L    | 82     |
| 35) Methylcyclohexane       | 6.70  | 83 | 7859  | 0.811 ug/L #  | 17     |
| 37) 1,2-Dichloropropane     | 6.70  | 63 | 3751  | 0.579 ug/L #  | 85     |
| 39) cis-1,3-Dichloropropene | 7.57  | 75 | 1121  | 0.124 ug/L #  | 62     |
| 59) 1,2,3-Trichloropropane  | 11.74 | 75 | 393   | 0.085 ug/L #  | 1      |

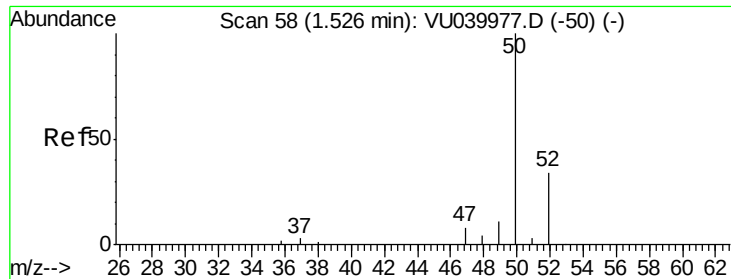
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Aug 27 00:51:02 2020  
Response via : Initial Calibration

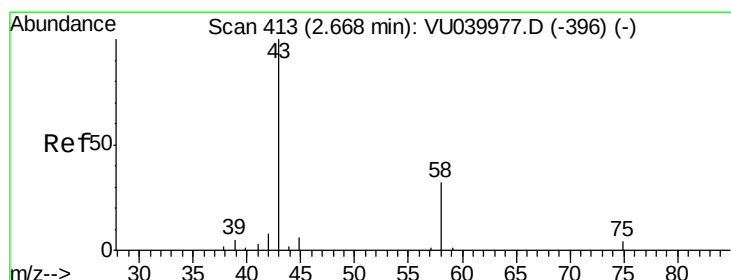
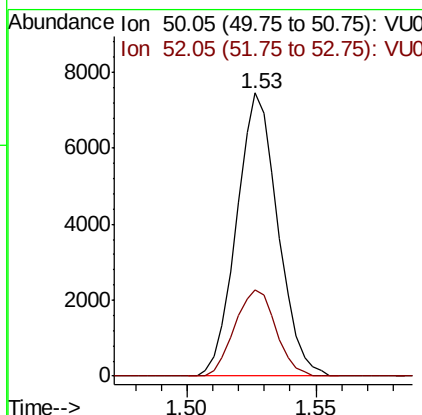
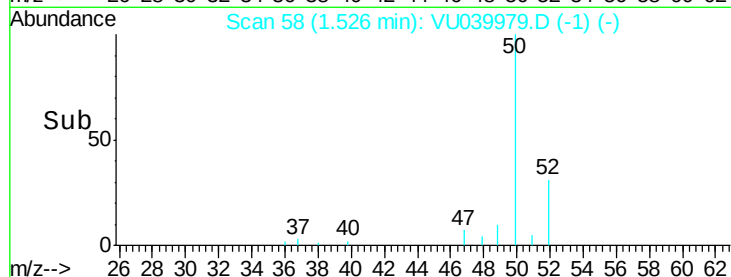
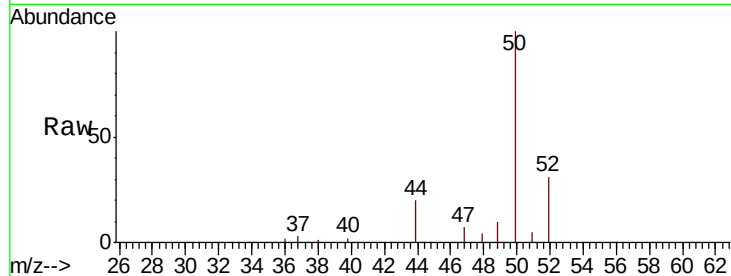




#3  
Chloromethane  
Concen: 1.077 ug/L  
RT: 1.53 min Scan# 58  
Delta R.T. -0.00 min  
Lab File: VU039979.D  
Acq: 26 Aug 2020 12:00

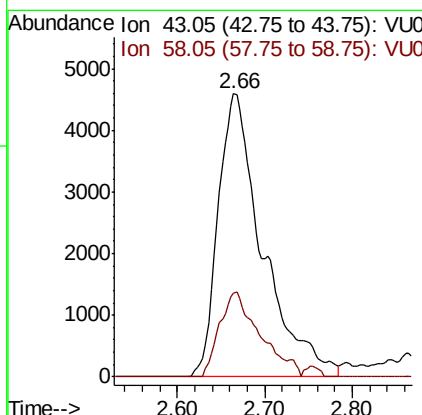
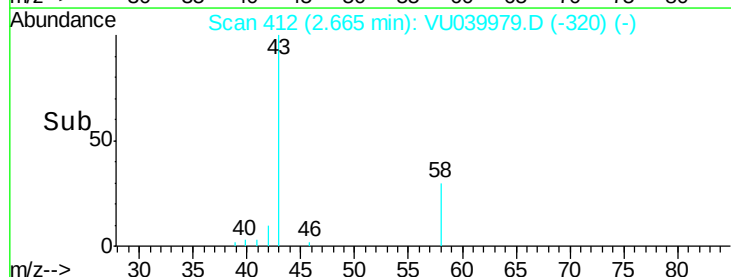
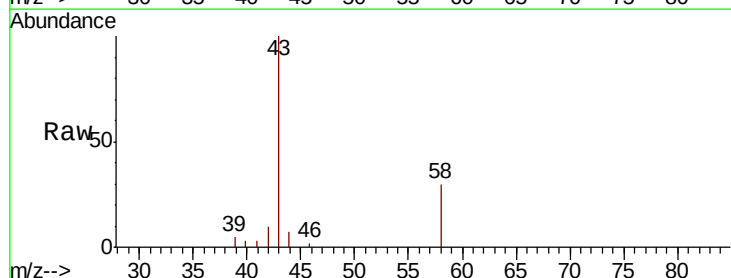
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFWS2

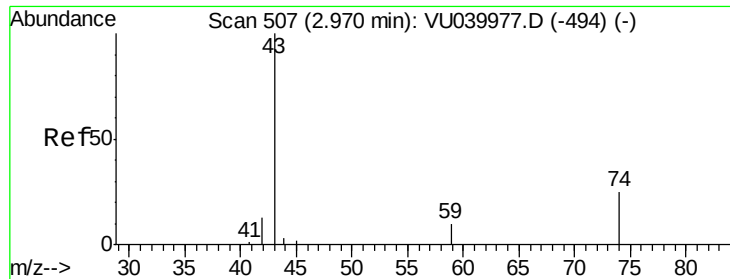
Tot Ion: 50 Resp: 8341  
Ion Ratio Lower Upper  
50 100  
52 30.5 21.9 40.7



#13  
Acetone  
Concen: 12.899 ug/L  
RT: 2.66 min Scan# 412  
Delta R.T. -0.00 min  
Lab File: VU039979.D  
Acq: 26 Aug 2020 12:00

Tgt Ion: 43 Resp: 16197  
Ion Ratio Lower Upper  
43 100  
58 27.2 0.0 19.0#

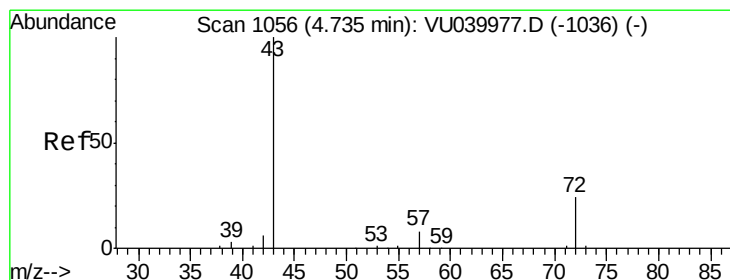
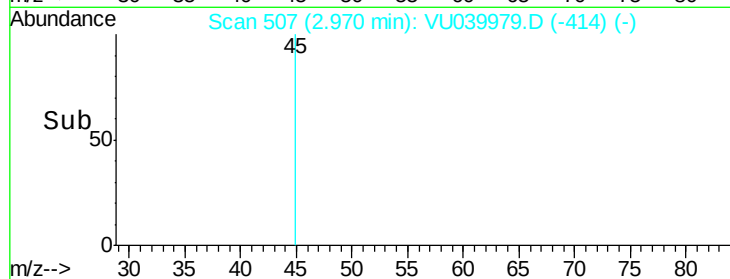
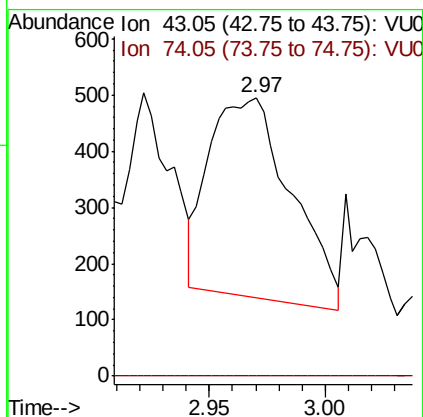
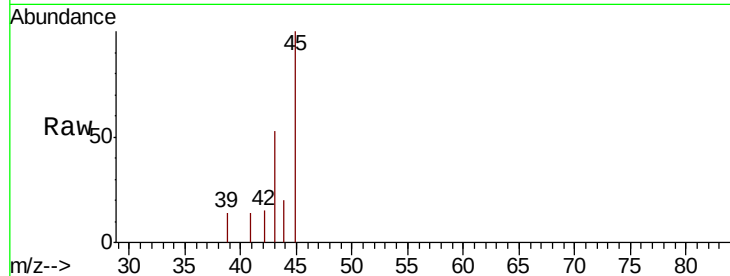




#15  
Methyl Acetate  
Concen: 0.269 ug/L  
RT: 2.97 min Scan# 507  
Delta R.T. -0.00 min  
Lab File: VU039979.D  
Acq: 26 Aug 2020 12:00

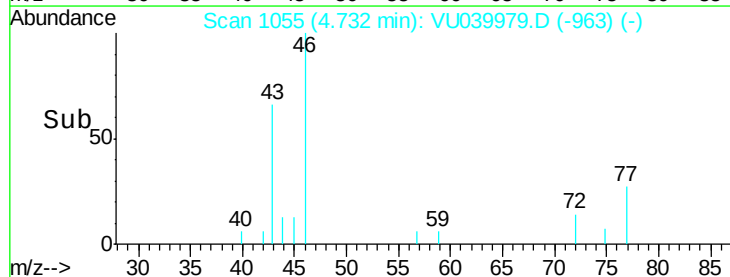
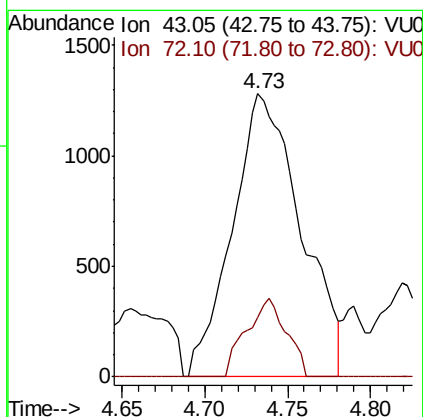
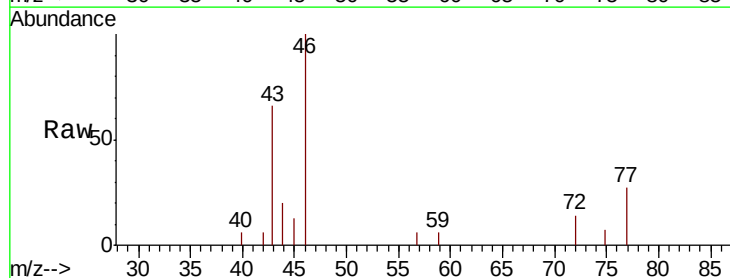
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFWS2

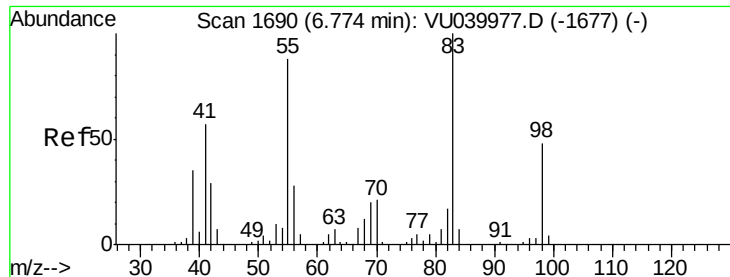
Tot Ion: 43 Resp: 868  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.3 24.5#



#21  
2-Butanone  
Concen: 1.683 ug/L  
RT: 4.73 min Scan# 1055  
Delta R.T. -0.00 min  
Lab File: VU039979.D  
Acq: 26 Aug 2020 12:00

Tgt Ion: 43 Resp: 3671  
Ion Ratio Lower Upper  
43 100  
72 16.2 12.7 38.0

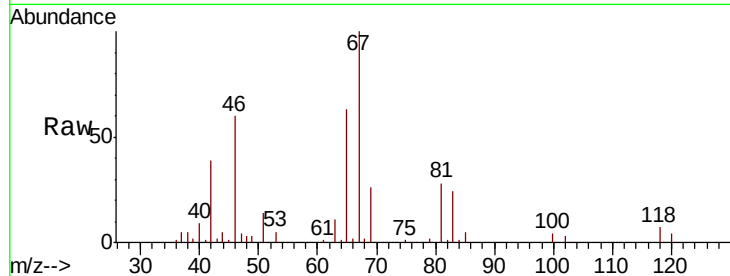




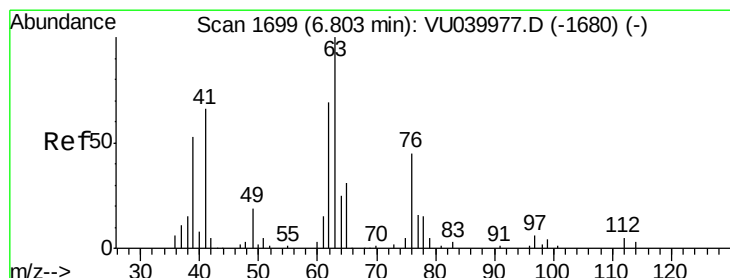
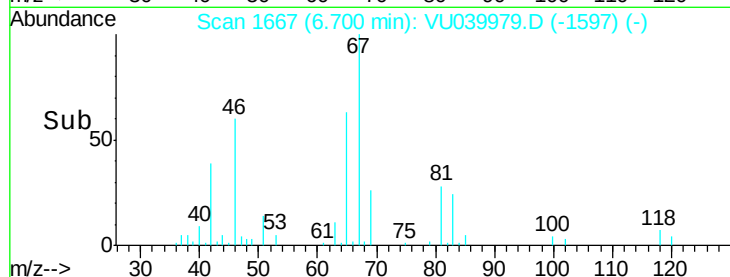
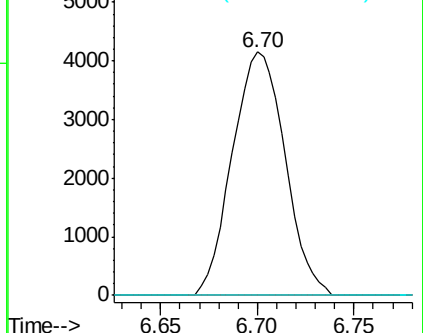
#35  
Methylvlcyclohexane  
Concen: 0.811 ug/L  
RT: 6.70 min Scan# 1667  
Delta R.T. -0.07 min  
Lab File: VU039979.D  
Acq: 26 Aug 2020 12:00

Instrument :  
MSVOA\_U  
ClientSampled :  
BFWS2

Tot Ion: 83 Resp: 7859  
Ion Ratio Lower Upper  
83 100  
55 0.0 64.1 96.1#  
98 1.1 39.4 59.0#

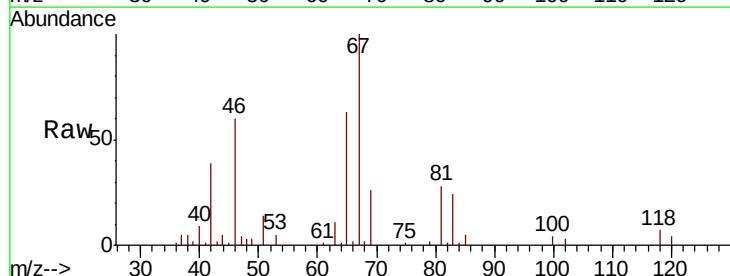


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

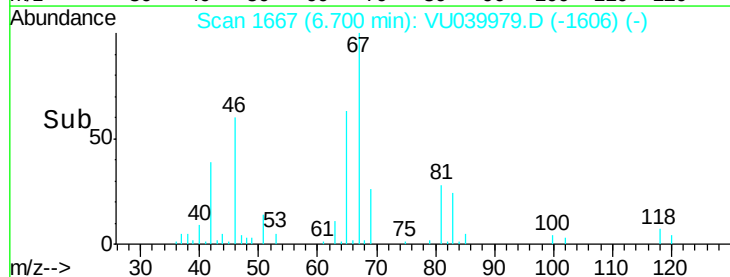
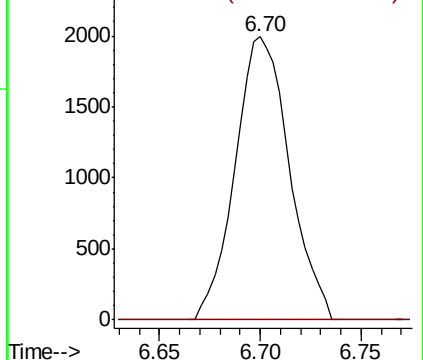


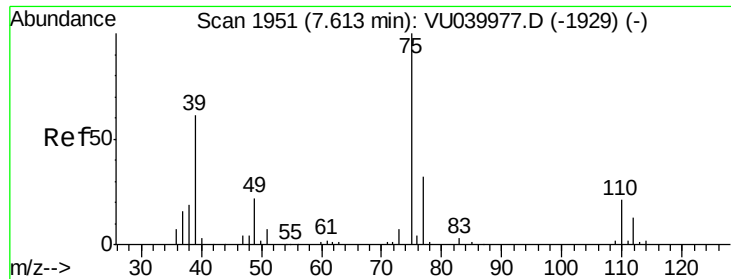
#37  
1,2-Dichloropropane  
Concen: 0.579 ug/L  
RT: 6.70 min Scan# 1667  
Delta R.T. -0.10 min  
Lab File: VU039979.D  
Acq: 26 Aug 2020 12:00

Tgt Ion: 63 Resp: 3751  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.1 6.1#



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

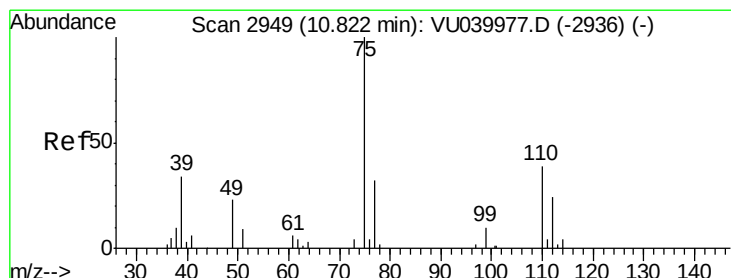
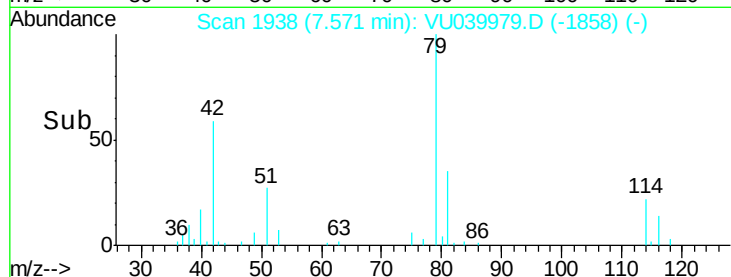
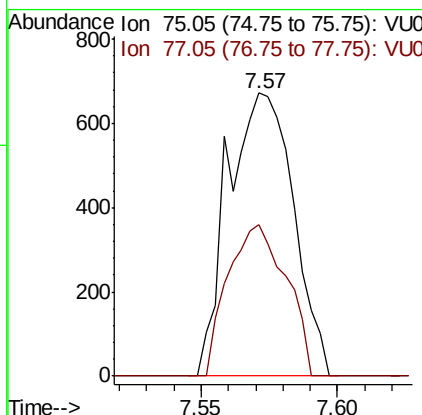
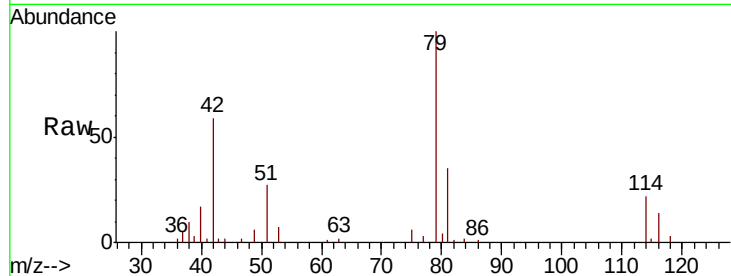




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.124 ug/L  
 RT: 7.57 min Scan# 1938  
 Delta R.T. -0.04 min  
 Lab File: VU039979.D  
 Acq: 26 Aug 2020 12:00

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFWS2

Tot Ion: 75 Resp: 1121  
 Ion Ratio Lower Upper  
 75 100  
 77 53.6 22.6 42.0#



#59  
 1,2,3-Trichloropropane  
 Concen: 0.085 ug/L  
 RT: 11.74 min Scan# 3234  
 Delta R.T. 0.92 min  
 Lab File: VU039979.D  
 Acq: 26 Aug 2020 12:00

Tgt Ion: 75 Resp: 393  
 Ion Ratio Lower Upper  
 75 100  
 77 5512.0 27.4 41.2#

