

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101620\  
 Data File : VU040744.D  
 Acq On : 16 Oct 2020 13:15  
 Operator : SY/MD  
 Sample : L4419-08  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AH6

Quant Time: Oct 16 23:41:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 16 23:38:52 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 112461   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 117271   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 48338    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 42308    | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 90.80%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 37399    | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 104.00% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 68719    | 3.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 75.40%  |
| 20) 2-Butanone-d5              | 4.67   | 46    | 164966   | 55.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 110.64% |
| 24) Chloroform-d               | 5.08   | 84    | 93625    | 5.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 114.60% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 55265    | 5.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 111.00% |
| 32) Benzene-d6                 | 5.74   | 84    | 165437   | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 104.60% |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 56783    | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 108.20% |
| 41) Toluene-d8                 | 7.91   | 98    | 126649   | 4.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.40%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 20095    | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 90.40%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 111138   | 48.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.96%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 48124    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 51248    | 5.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 114.40% |

## Target Compounds

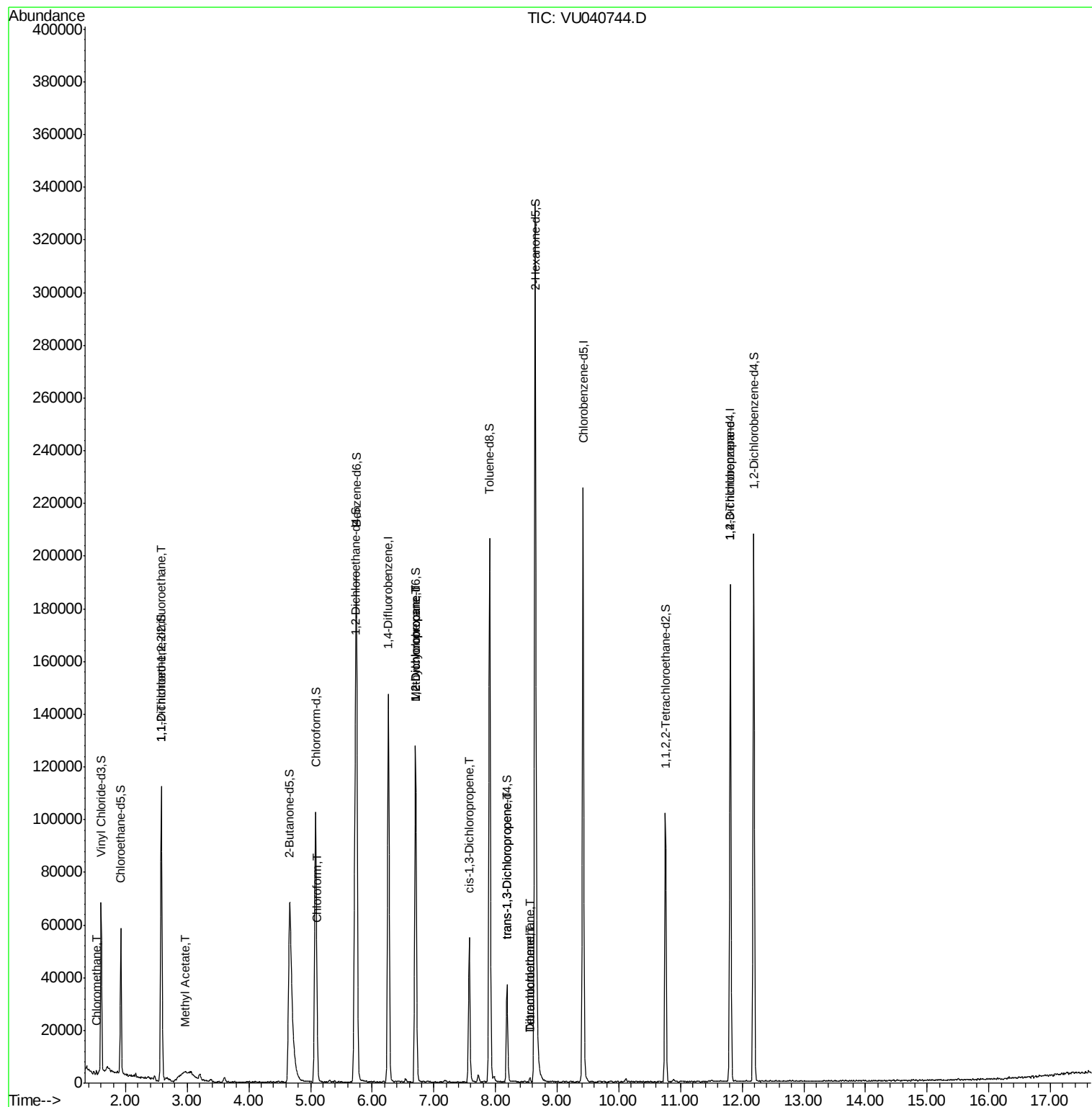
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 3) Chloromethane               | 1.53  | 50  | 815   | 0.086 ug/L   | 91     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.58  | 101 | 500   | 0.053 ug/L # | 20     |
| 15) Methyl Acetate             | 2.97  | 43  | 868   | 0.164 ug/L # | 56     |
| 25) Chloroform                 | 5.11  | 83  | 2915  | 0.164 ug/L   | 96     |
| 35) Methylcyclohexane          | 6.70  | 83  | 13517 | 0.976 ug/L # | 14     |
| 37) 1,2-Dichloropropane        | 6.70  | 63  | 6643  | 0.633 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene    | 7.58  | 75  | 1134  | 0.079 ug/L # | 72     |
| 44) trans-1,3-Dichloropropene  | 8.19  | 75  | 1120  | 0.085 ug/L   | 95     |
| 47) Tetrachloroethene          | 8.55  | 164 | 424   | 0.061 ug/L   | 84     |
| 49) Dibromochloromethane       | 8.56  | 129 | 453   | 0.050 ug/L # | 9      |
| 59) 1,2,3-Trichloropropane     | 11.81 | 75  | 6651  | 0.863 ug/L # | 87     |

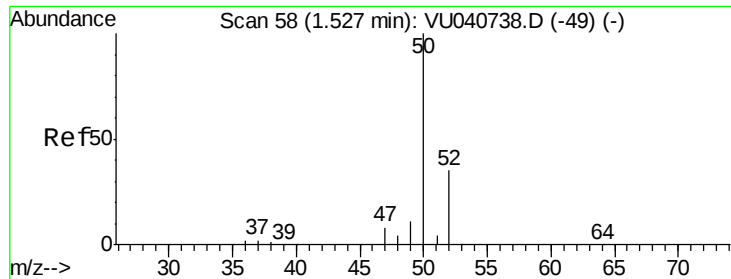
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101620\  
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Sample : L4419-08  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 9 Sample Multiplier: 1

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Quant Time: Oct 16 23:41:04 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Oct 16 23:38:52 2020  
Response via : Initial Calibration

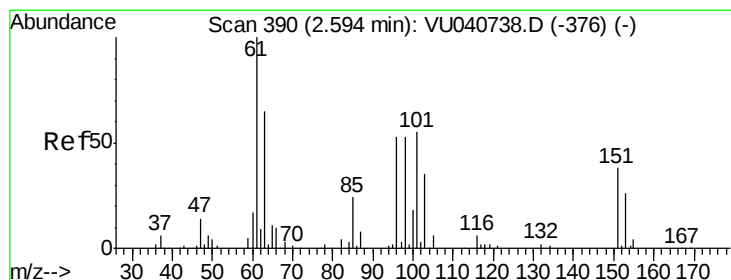
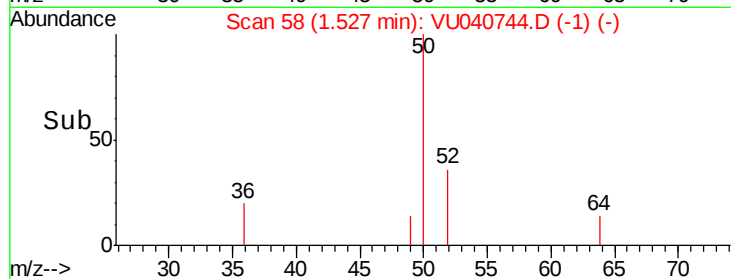
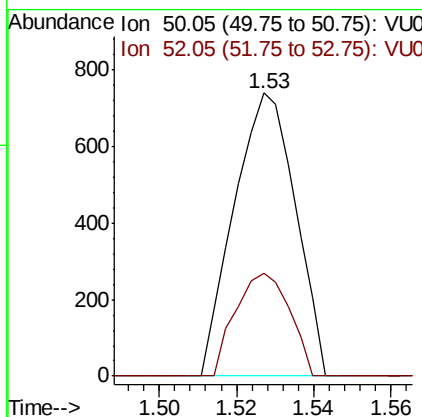
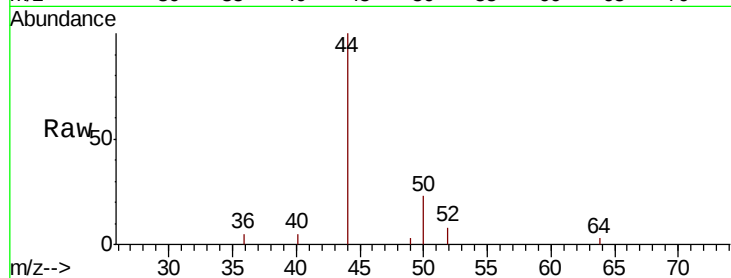




#3  
 Chloromethane  
 Concen: 0.086 ug/L  
 RT: 1.53 min Scan# 58  
 Delta R.T. 0.00 min  
 Lab File: VU040744.D  
 Acq: 16 Oct 2020 13:15

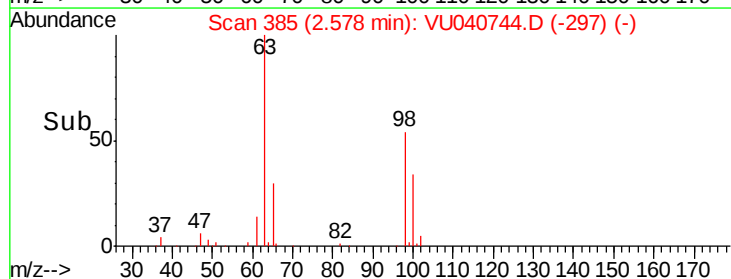
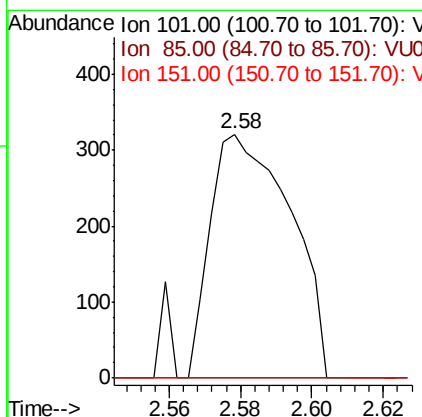
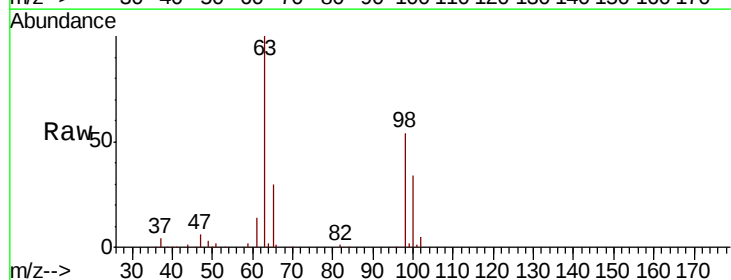
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AH6

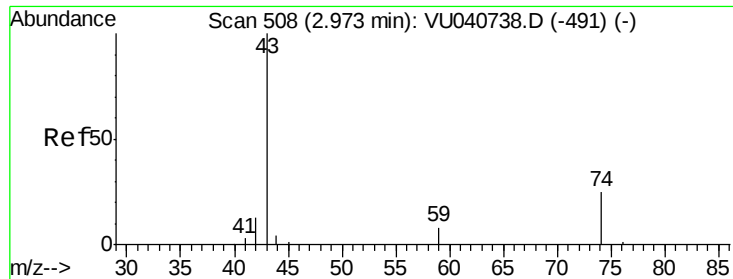
Tot Ion: 50 Resp: 815  
 Ion Ratio Lower Upper  
 50 100  
 52 36.4 21.9 40.7



#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.053 ug/L  
 RT: 2.58 min Scan# 385  
 Delta R.T. -0.02 min  
 Lab File: VU040744.D  
 Acq: 16 Oct 2020 13:15

Tgt Ion:101 Resp: 500  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 36.7 55.1#  
 151 0.0 58.0 87.0#

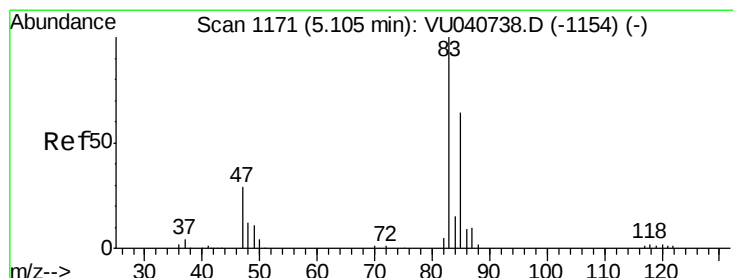
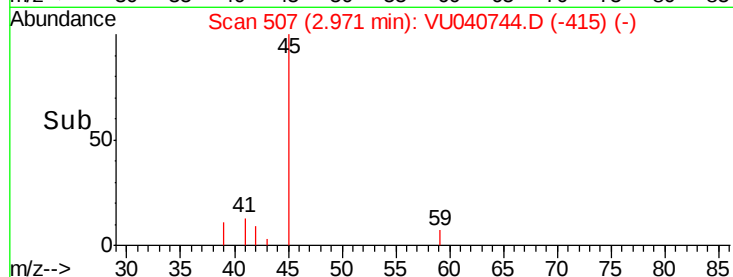
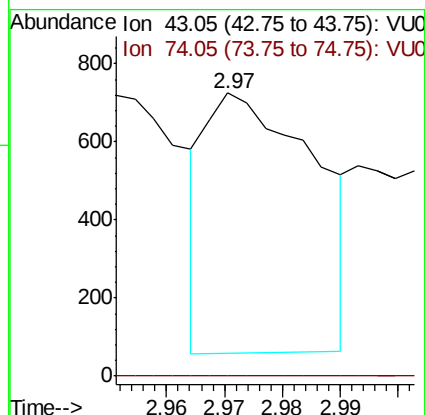
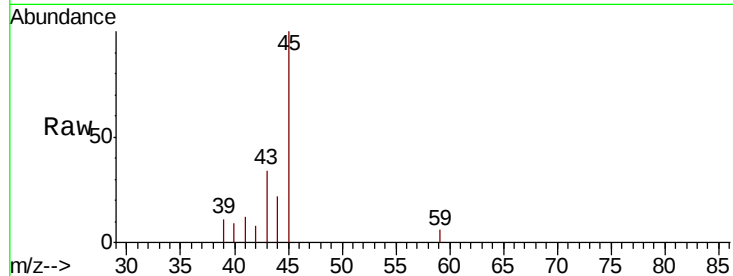




#15  
Methvl Acetate  
Concen: 0.164 ug/L  
RT: 2.97 min Scan# 507  
Delta R.T. -0.00 min  
Lab File: VU040744.D  
Acq: 16 Oct 2020 13:15

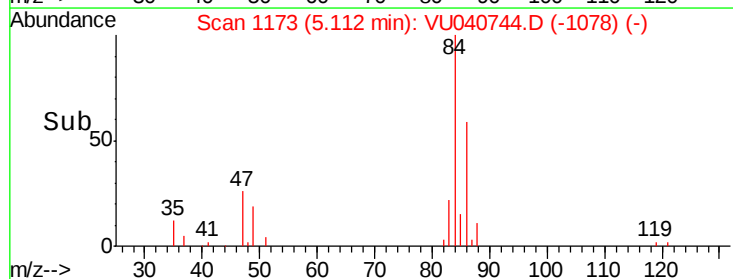
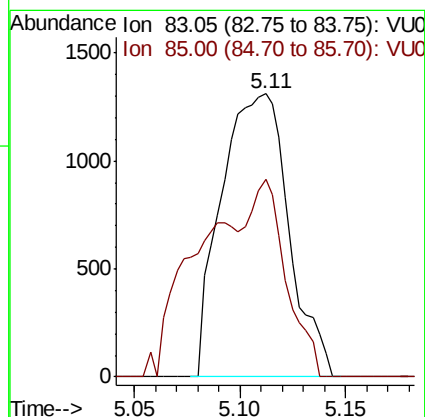
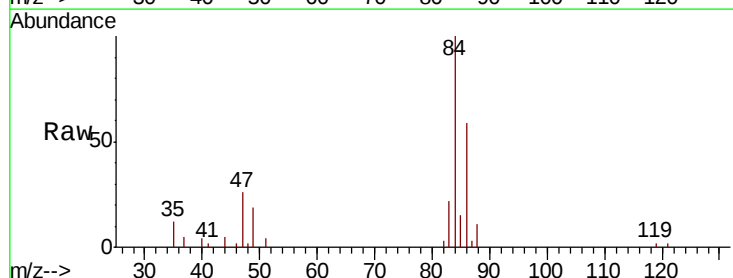
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AH6

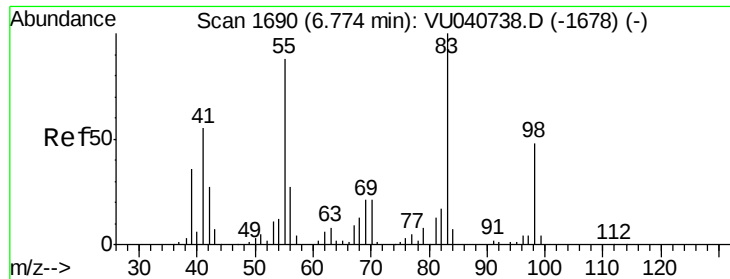
Tot Ion: 43 Resp: 868  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.5 24.7#



#25  
Chloroform  
Concen: 0.164 ug/L  
RT: 5.11 min Scan# 1173  
Delta R.T. 0.01 min  
Lab File: VU040744.D  
Acq: 16 Oct 2020 13:15

Tgt Ion: 83 Resp: 2915  
Ion Ratio Lower Upper  
83 100  
85 69.8 46.5 86.5

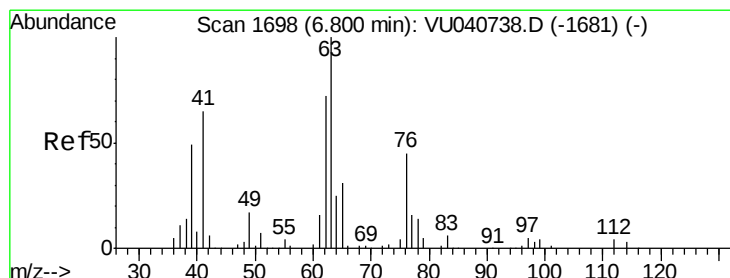
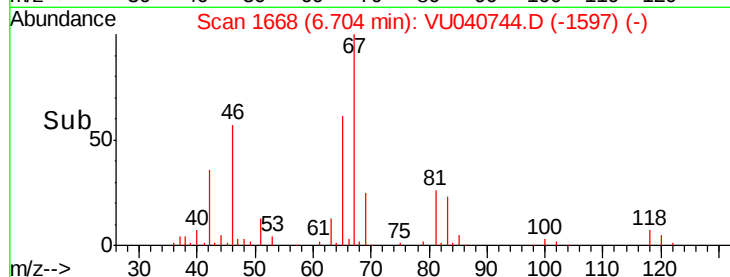
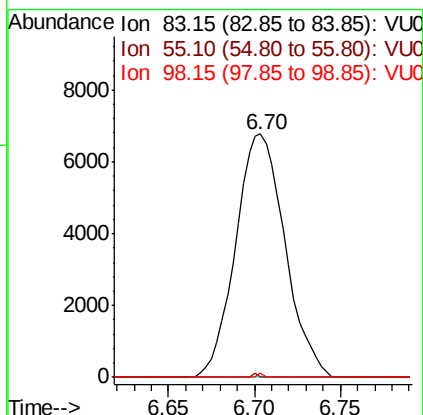
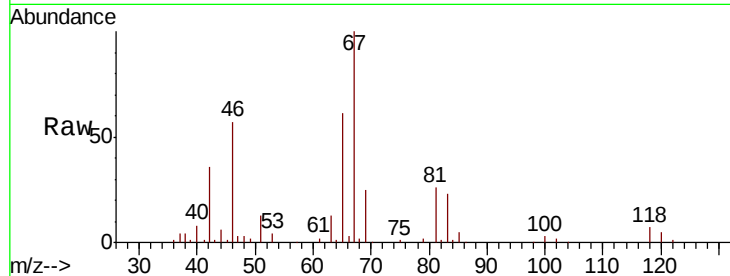




#35  
Methylvlcvclohexane  
Concen: 0.976 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU040744.D  
Acq: 16 Oct 2020 13:15

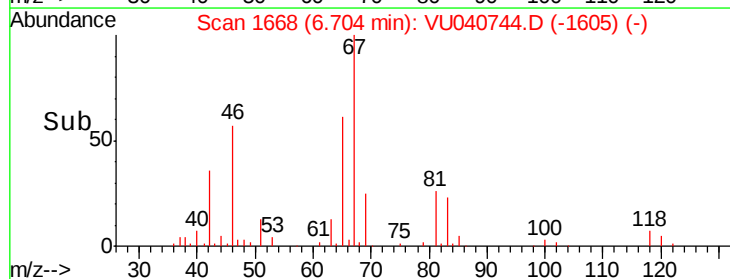
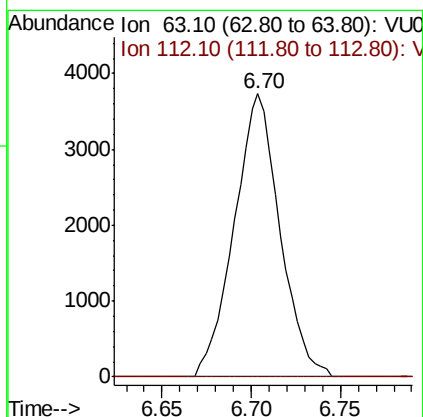
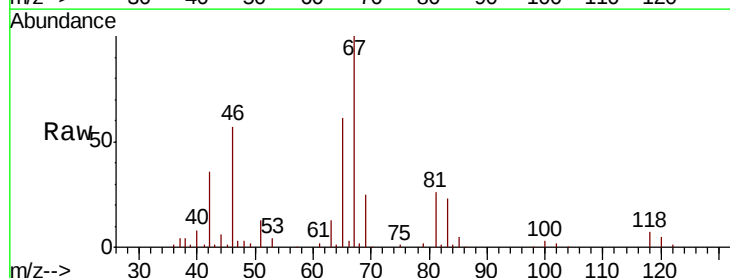
Instrument :  
MSVOA\_U  
ClientSampleId :  
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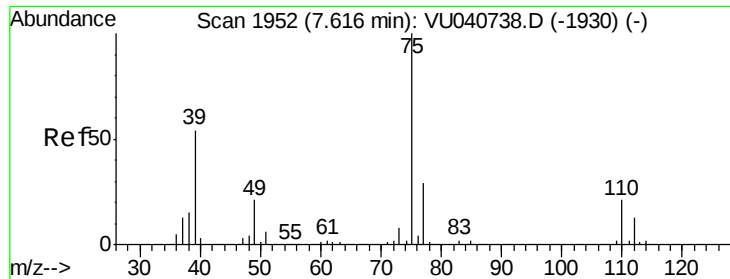
Tot Ion: 83 Resp: 13517  
Ion Ratio Lower Upper  
83 100  
55 0.1 70.7 106.1#  
98 0.2 38.4 57.6#



#37  
1,2-Dichloropropane  
Concen: 0.633 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.10 min  
Lab File: VU040744.D  
Acq: 16 Oct 2020 13:15

Tgt Ion: 63 Resp: 6643  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.5 5.3#

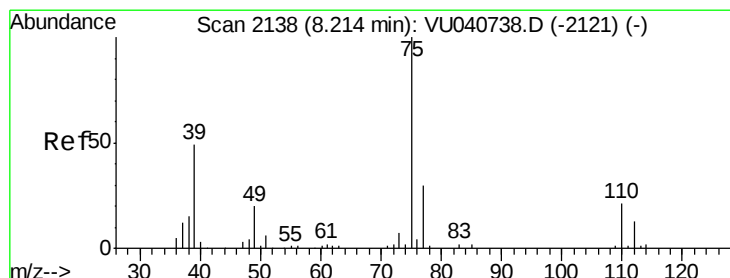
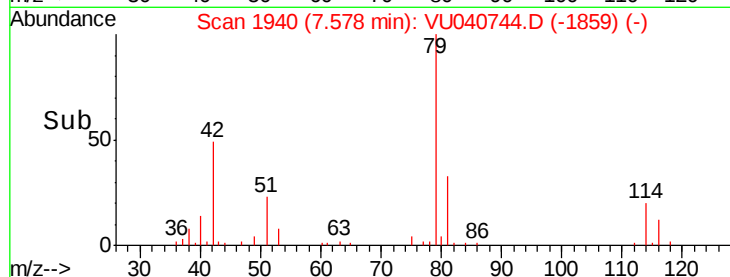
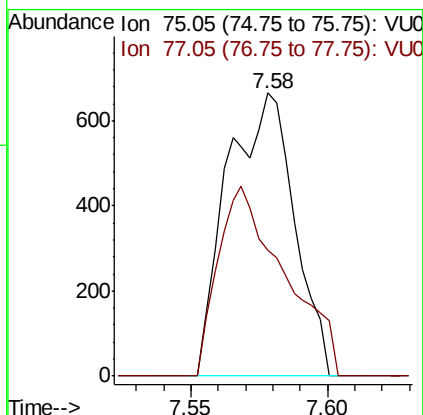
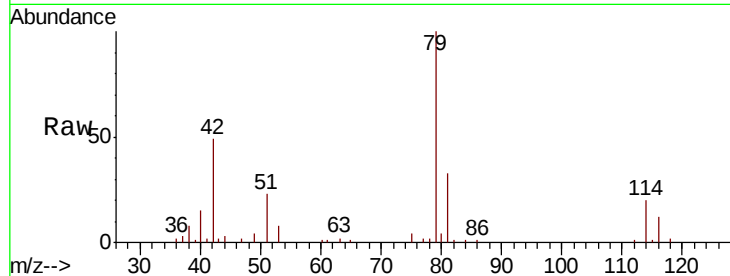




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.079 ug/L  
 RT: 7.58 min Scan# 1940  
 Delta R.T. -0.04 min  
 Lab File: VU040744.D  
 Acq: 16 Oct 2020 13:15

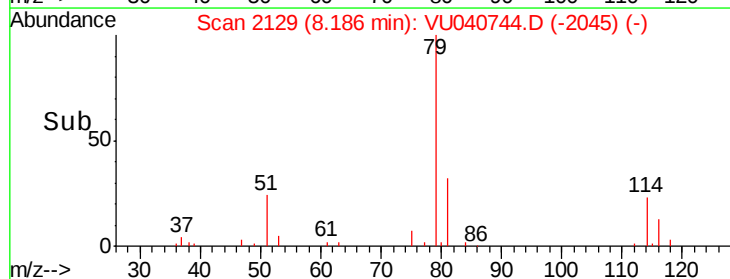
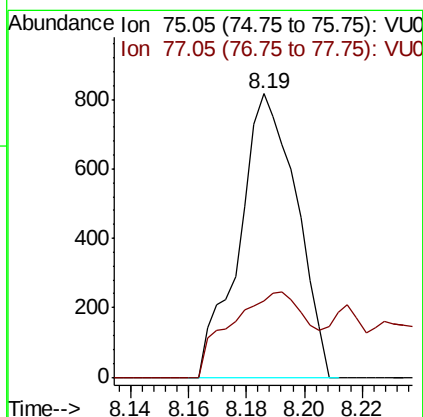
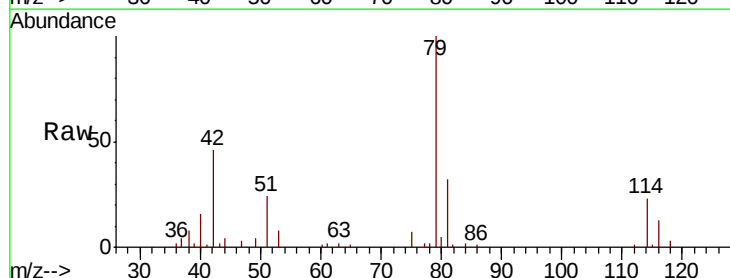
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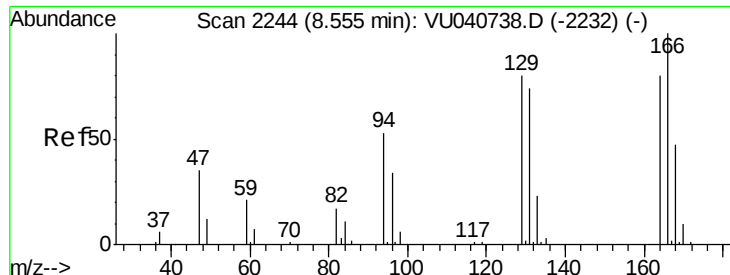
Tot Ion: 75 Resp: 1134  
 Ion Ratio Lower Upper  
 75 100  
 77 44.4 20.5 38.1#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.085 ug/L  
 RT: 8.19 min Scan# 2129  
 Delta R.T. -0.03 min  
 Lab File: VU040744.D  
 Acq: 16 Oct 2020 13:15

Tgt Ion: 75 Resp: 1120  
 Ion Ratio Lower Upper  
 75 100  
 77 26.7 20.4 38.0





#47

Tetrachloroethene

Concen: 0.061 ug/L

RT: 8.55 min Scan# 2242

Delta R.T. -0.01 min

Lab File: VU040744.D

Acq: 16 Oct 2020 13:15

Instrument :

MSVOA\_U

ClientSampleId :

C0AH6

Tot Ion:164 Resp: 424

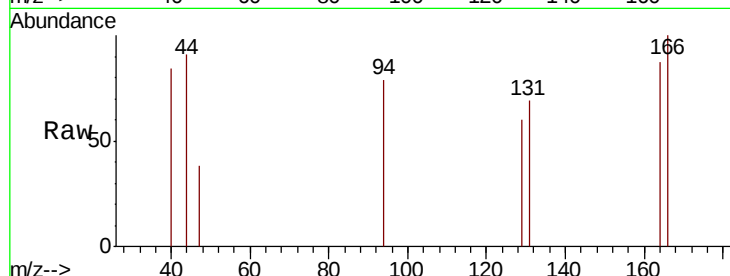
Ion Ratio Lower Upper

164 100

129 69.2 68.8 127.8

131 79.4 66.7 123.9

166 115.4 83.9 155.7

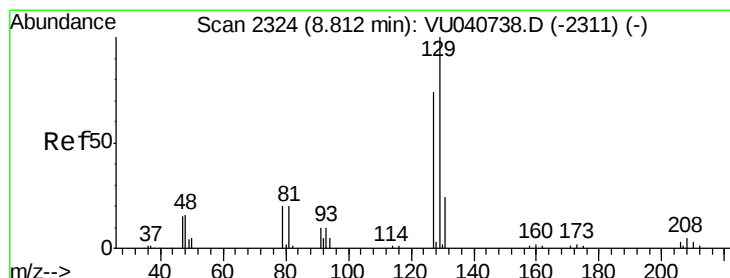
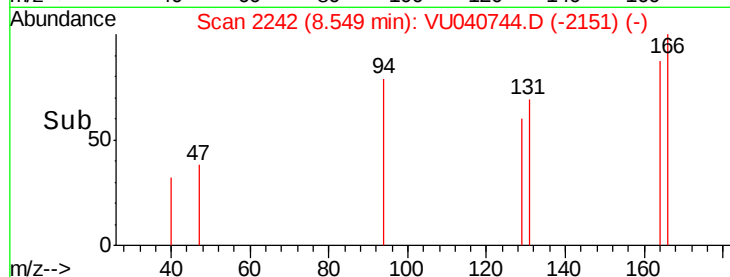
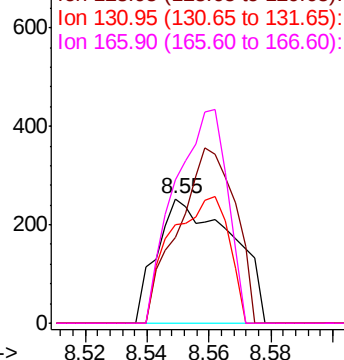


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.050 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040744.D

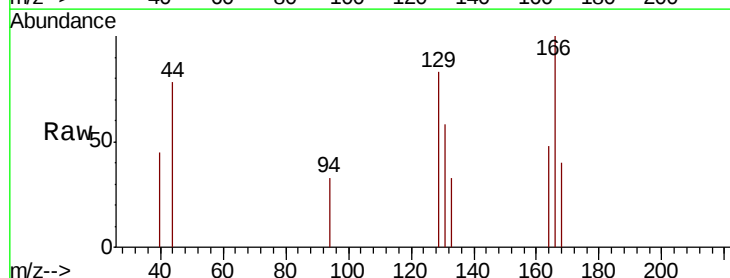
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Tgt Ion:129 Resp: 453

Ion Ratio Lower Upper

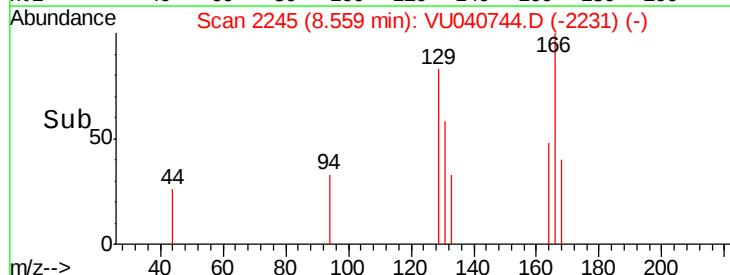
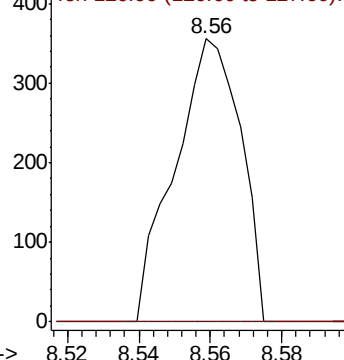
129 100

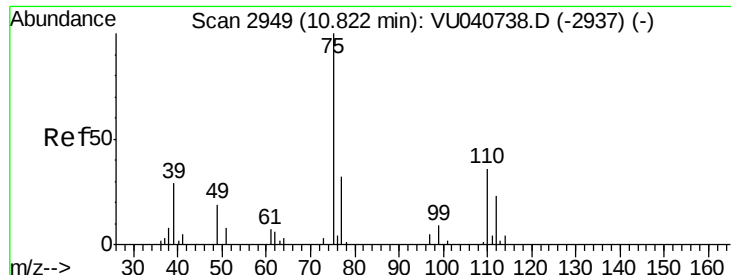
127 0.0 55.8 103.6#



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: 0.863 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040744.D

Acq: 16 Oct 2020 13:15

Instrument :

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ClientSampleId :

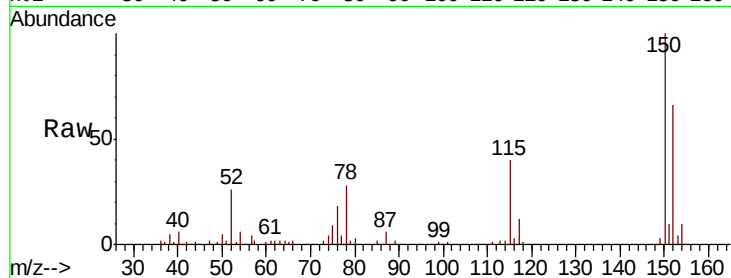
C0AH6

Tot Ion: 75 Resp: 6651

Ion Ratio Lower Upper

75 100

77 40.2 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

