

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\  
 Data File : VU040312.D  
 Acq On : 25 Sep 2020 20:10  
 Operator : SY/MD  
 Sample : L4139-09  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BG488

Quant Time: Sep 26 06:52:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR083120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Sep 26 06:44:13 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 117388   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 117984   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 50710    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 31400    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 98.00%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 30623    | 5.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 114.80% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 52222    | 3.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.60%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 157112   | 61.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 122.58% |
| 24) Chloroform-d               | 5.08   | 84    | 72131    | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 45328    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.00%  |
| 32) Benzene-d6                 | 5.74   | 84    | 132684   | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 46509    | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.40% |
| 41) Toluene-d8                 | 7.91   | 98    | 106711   | 4.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.80%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 17052    | 4.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.80%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 105824   | 53.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 107.12% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 41221    | 5.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 105.00% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 44863    | 5.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 109.40% |

## Target Compounds

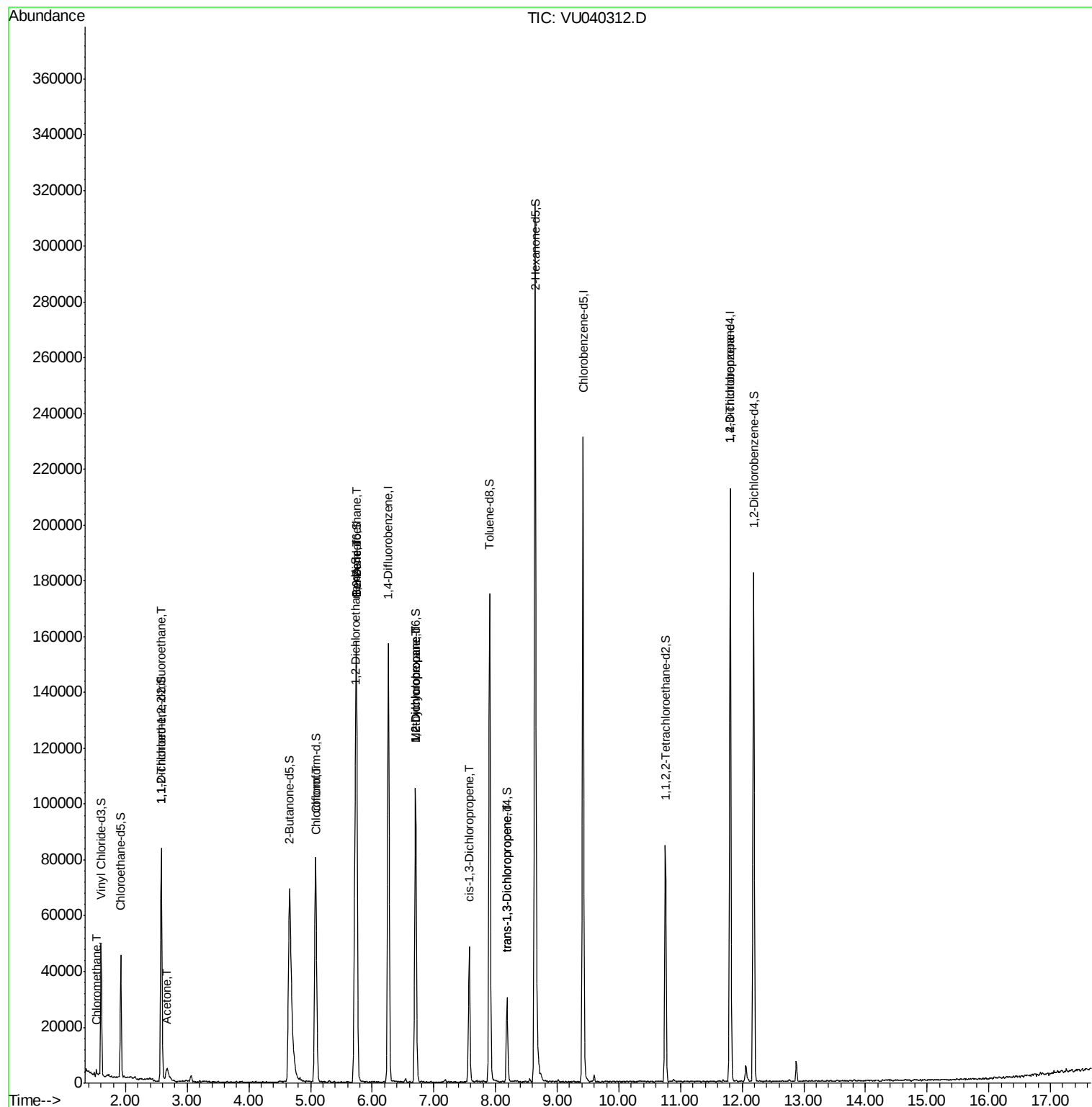
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 3) Chloromethane               | 1.53  | 50  | 1110  | 0.100 ug/L # | 71     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.58  | 101 | 509   | 0.048 ug/L # | 22     |
| 13) Acetone                    | 2.67  | 43  | 9342  | 3.937 ug/L   | 76     |
| 25) Chloroform                 | 5.10  | 83  | 1172  | 0.057 ug/L   | 96     |
| 27) 1,2-Dichloroethane         | 5.74  | 62  | 746   | 0.049 ug/L # | 78     |
| 33) Benzene                    | 5.75  | 78  | 1042  | 0.025 ug/L   | 100    |
| 35) Methylcyclohexane          | 6.70  | 83  | 10728 | 0.619 ug/L # | 14     |
| 37) 1,2-Dichloropropane        | 6.71  | 63  | 5322  | 0.466 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene    | 7.58  | 75  | 1308  | 0.078 ug/L # | 41     |
| 44) trans-1,3-Dichloropropene  | 8.19  | 75  | 833   | 0.053 ug/L   | 93     |
| 59) 1,2,3-Trichloropropane     | 11.81 | 75  | 7127  | 0.842 ug/L # | 88     |

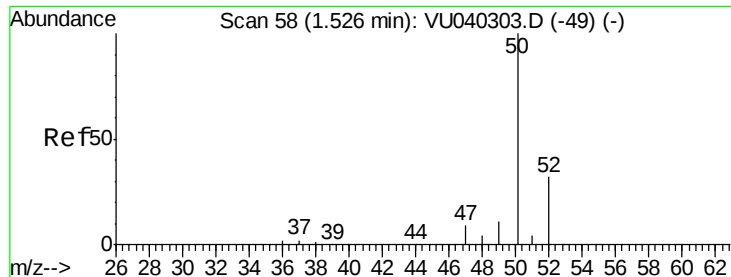
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 27 Sample Multiplier: 1

Instrument :  
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Quant Time: Sep 26 06:52:29 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR083120WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Sep 26 06:44:13 2020  
Response via : Initial Calibration

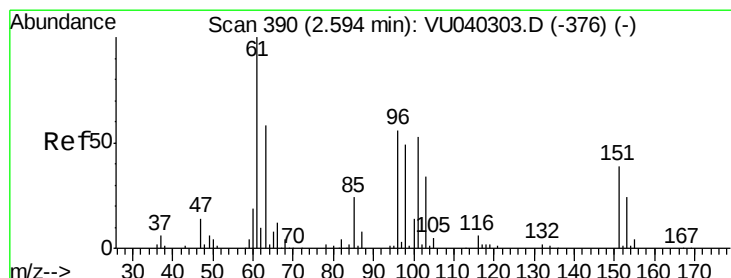
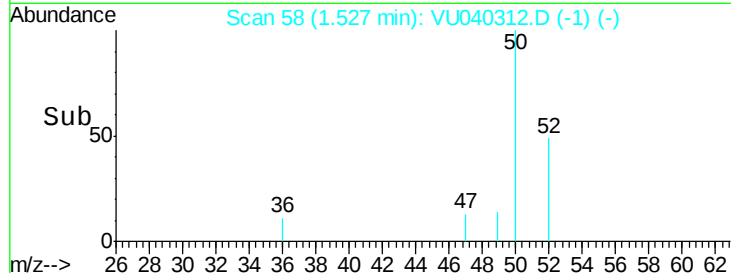
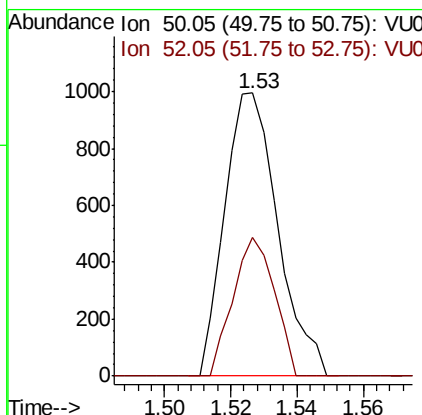
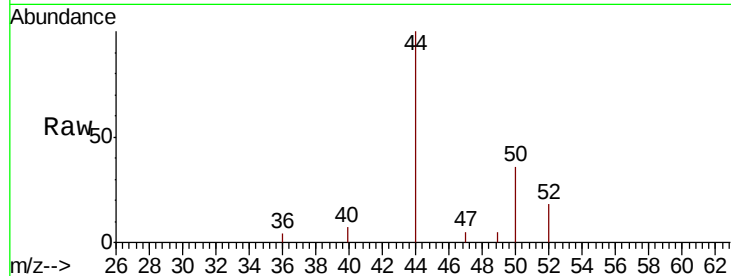




#3  
 Chloromethane  
 Concen: 0.100 ug/L  
 RT: 1.53 min Scan# 58  
 Delta R.T. 0.00 min  
 Lab File: VU040312.D  
 Acq: 25 Sep 2020 20:10

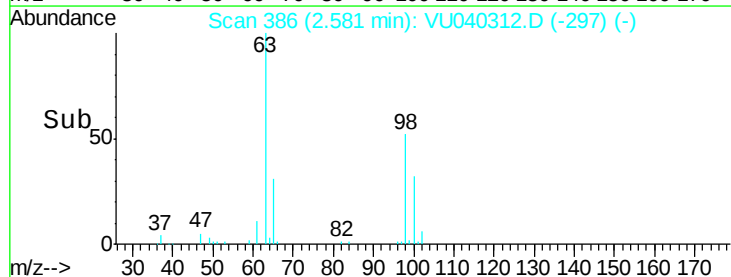
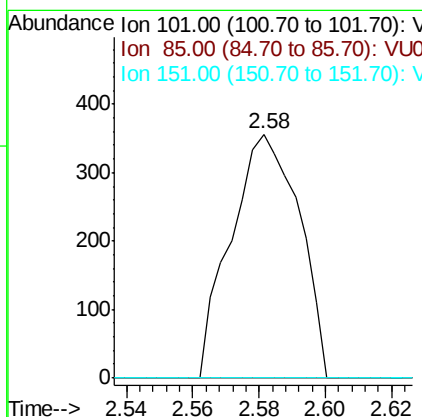
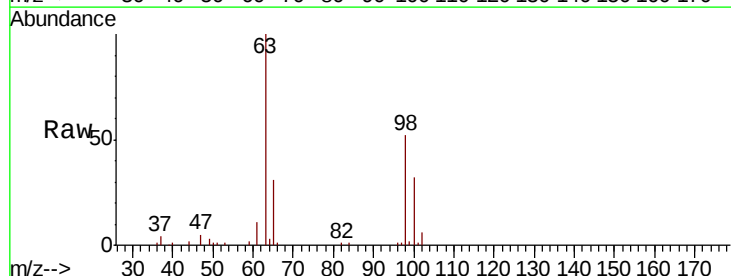
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 BG488

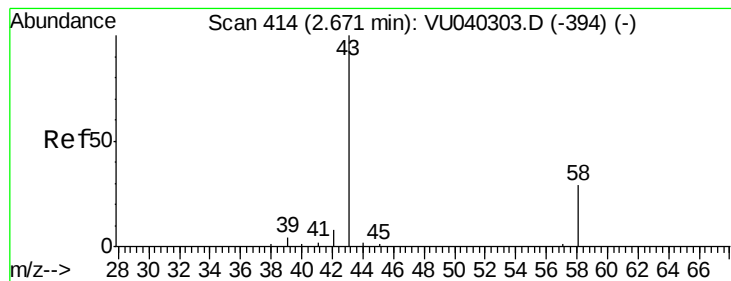
Tot Ion: 50 Resp: 1110  
 Ion Ratio Lower Upper  
 50 100  
 52 49.0 22.8 42.4#



#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.048 ug/L  
 RT: 2.58 min Scan# 386  
 Delta R.T. -0.01 min  
 Lab File: VU040312.D  
 Acq: 25 Sep 2020 20:10

Tgt Ion: 101 Resp: 509  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 37.7 56.5#  
 151 0.0 53.9 80.9#





#13

Acetone

Concen: 3.937 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU040312.D

Acq: 25 Sep 2020 20:10

Instrument :

MSVOA\_U

ClientSampled :

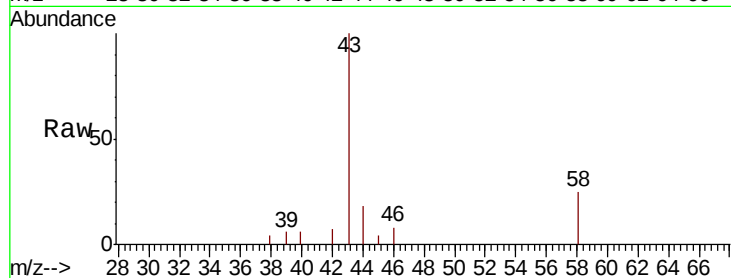
BG488

Tot Ion: 43 Resp: 9342

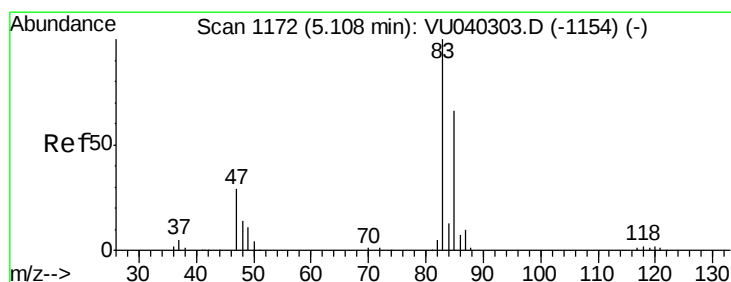
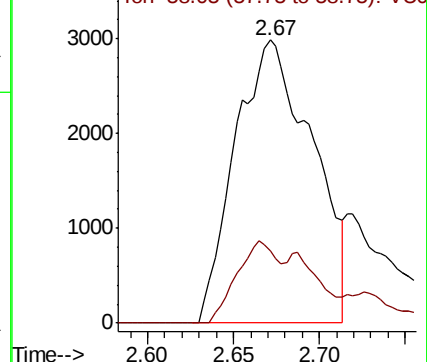
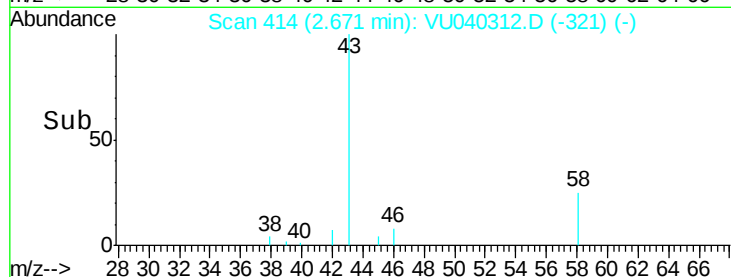
Ion Ratio Lower Upper

43 100

58 15.2 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040312.D (-321) (-)



#25

Chloroform

Concen: 0.057 ug/L

RT: 5.10 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VU040312.D

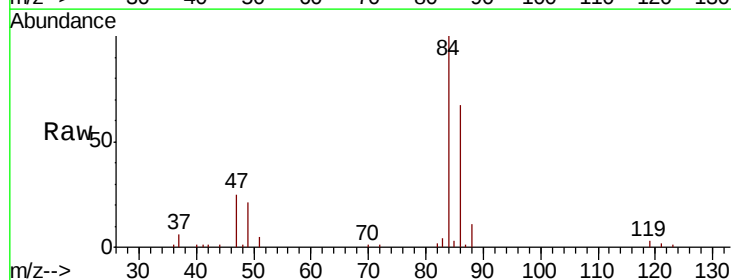
Acq: 25 Sep 2020 20:10

Tgt Ion: 83 Resp: 1172

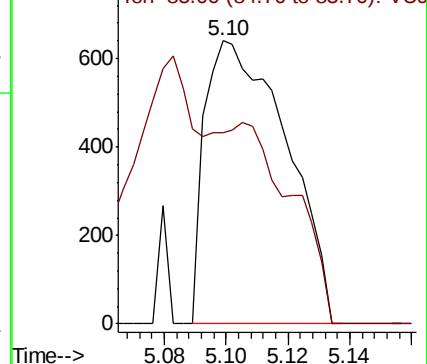
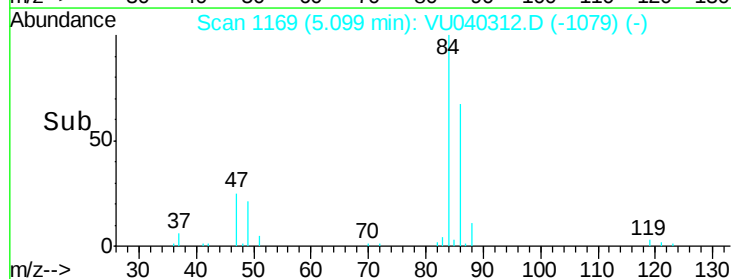
Ion Ratio Lower Upper

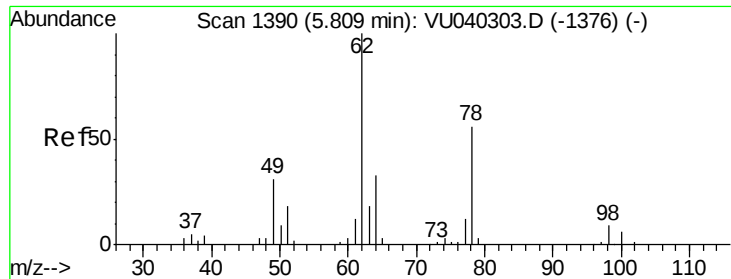
83 100

85 67.5 45.3 84.1



Abundance Ion 83.05 (82.75 to 83.75): VU040312.D (-1079) (-)

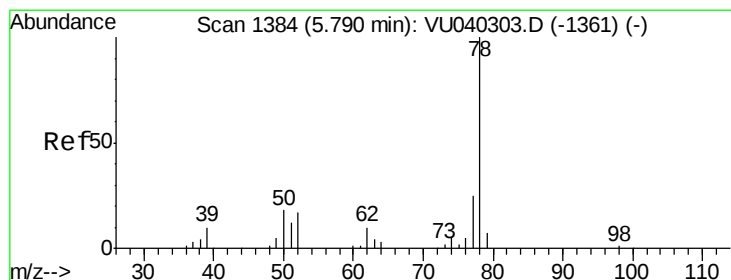
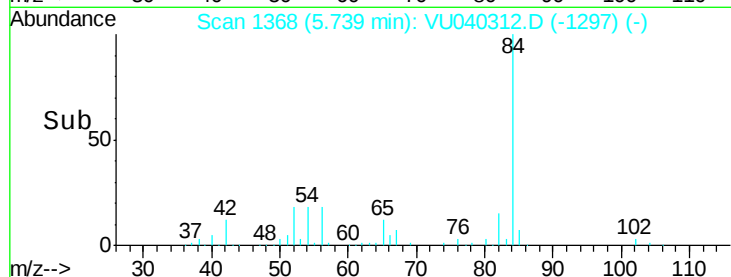
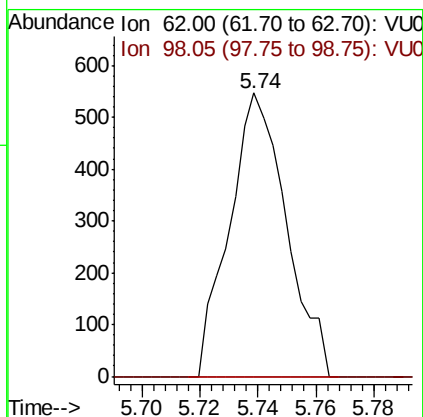
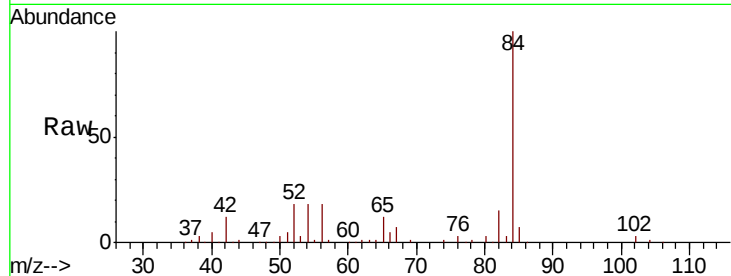




#27  
 1,2-Dichloroethane  
 Concen: 0.049 ug/L  
 RT: 5.74 min Scan# 1368  
 Delta R.T. -0.07 min  
 Lab File: VU040312.D  
 Acq: 25 Sep 2020 20:10

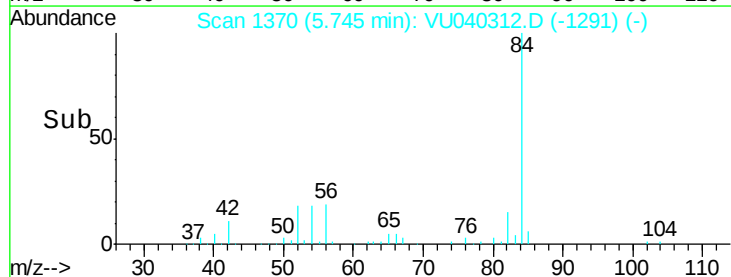
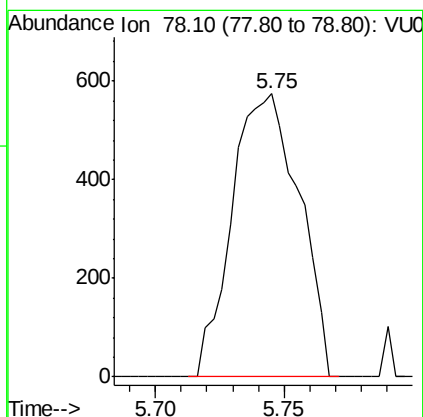
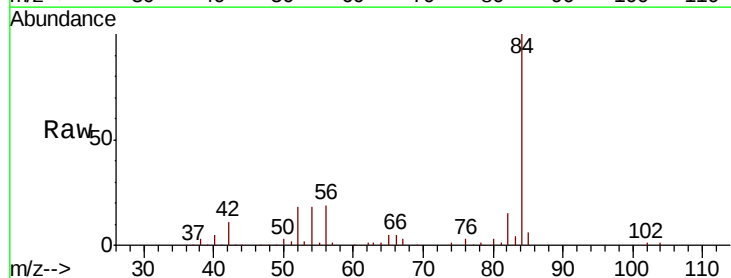
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BG488

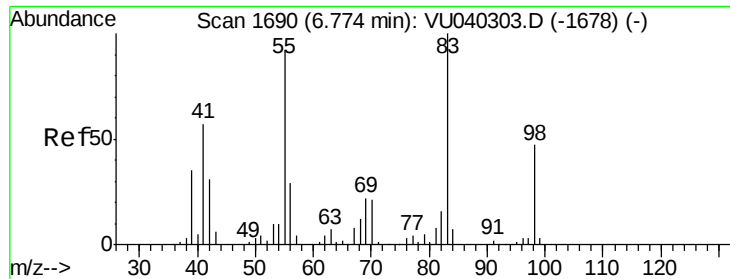
Tot Ion: 62 Resp: 746  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 6.1 9.1#



#33  
 Benzene  
 Concen: 0.025 ug/L  
 RT: 5.75 min Scan# 1370  
 Delta R.T. -0.04 min  
 Lab File: VU040312.D  
 Acq: 25 Sep 2020 20:10

Tgt Ion: 78 Resp: 1042

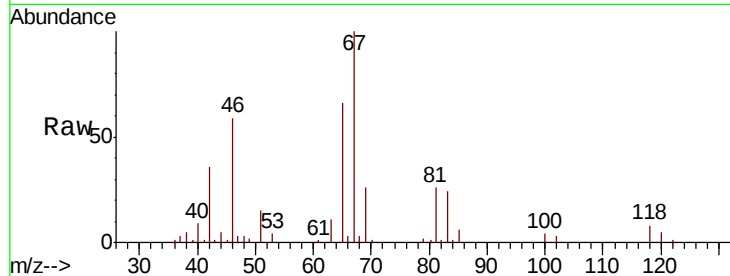




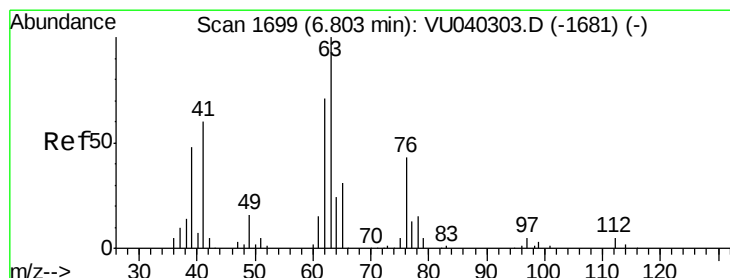
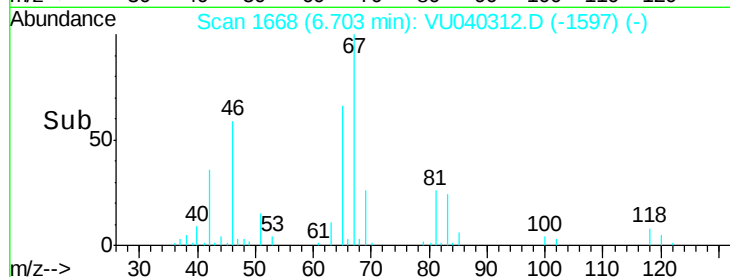
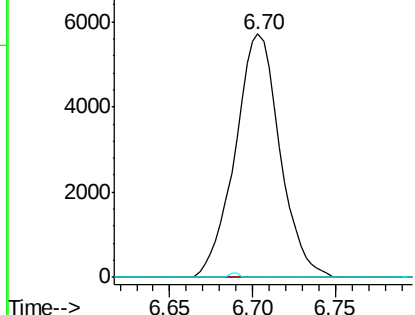
#35  
Methvlcvclohexane  
Concen: 0.619 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU040312.D  
Acq: 25 Sep 2020 20:10

Instrument :  
MSVOA\_U  
ClientSampleId :  
BG488

Tot Ion: 83 Resp: 10728  
Ion Ratio Lower Upper  
83 100  
55 0.0 70.5 105.7#  
98 0.4 37.8 56.6#

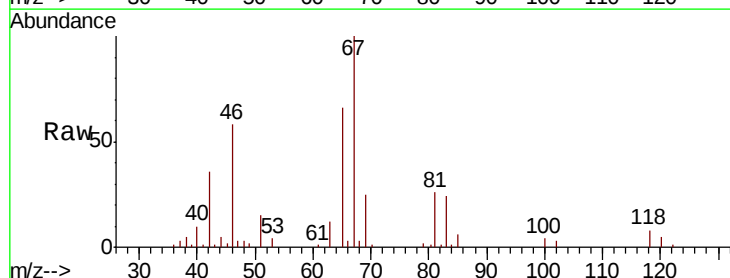


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

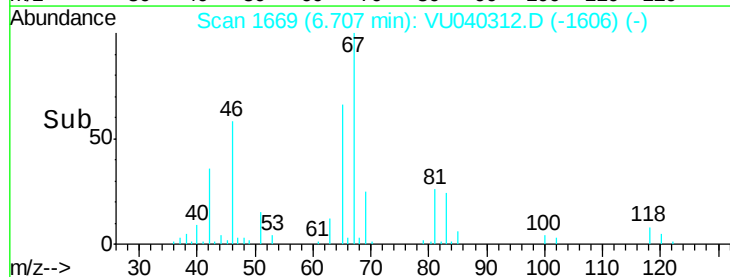
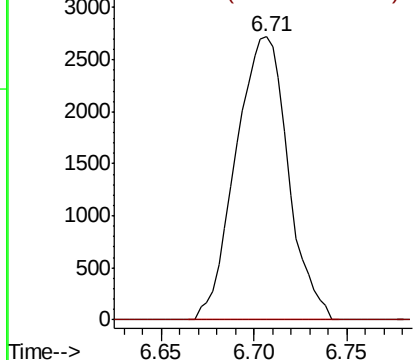


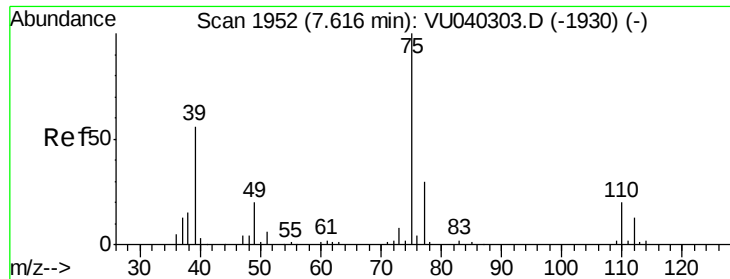
#37  
1,2-Dichloropropane  
Concen: 0.466 ug/L  
RT: 6.71 min Scan# 1669  
Delta R.T. -0.10 min  
Lab File: VU040312.D  
Acq: 25 Sep 2020 20:10

Tgt Ion: 63 Resp: 5322  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#



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

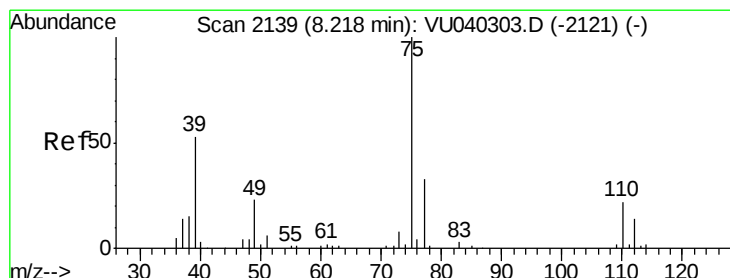
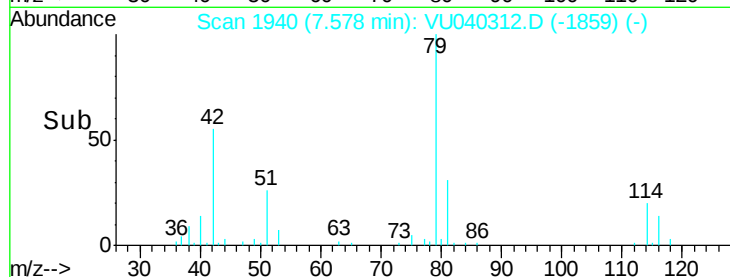
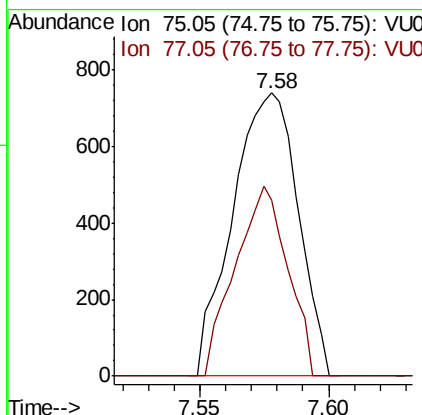
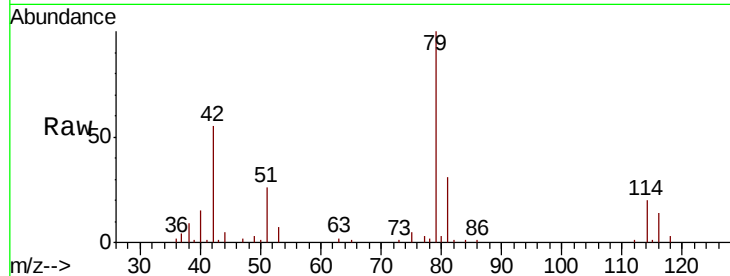




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.078 ug/L  
 RT: 7.58 min Scan# 1940  
 Delta R.T. -0.04 min  
 Lab File: VU040312.D  
 Acq: 25 Sep 2020 20:10

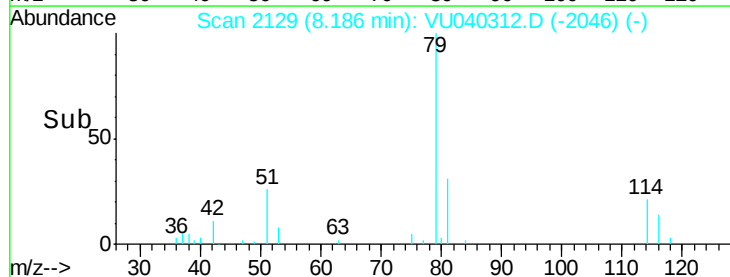
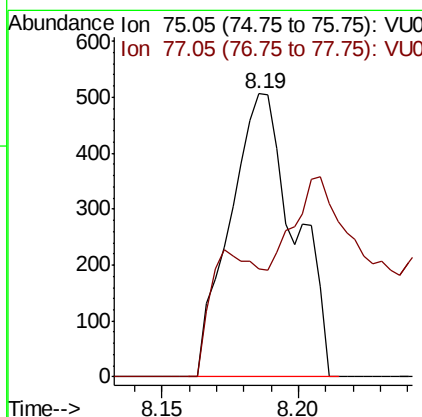
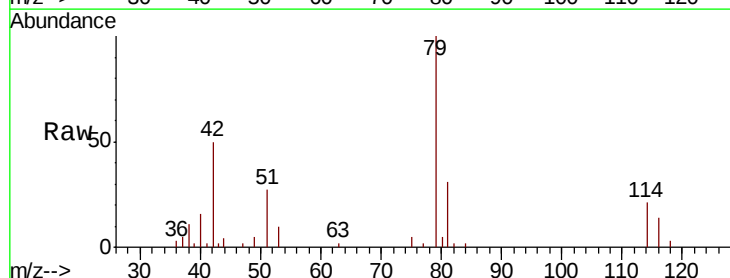
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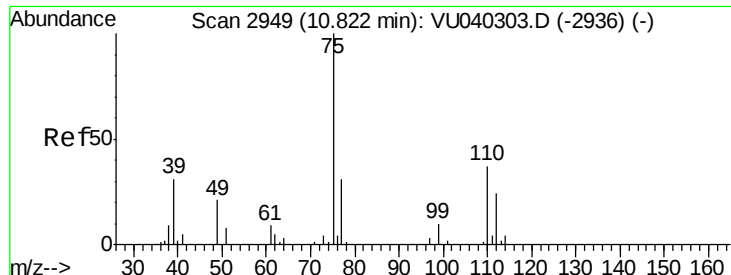
Tot Ion: 75 Resp: 1308  
 Ion Ratio Lower Upper  
 75 100  
 77 62.1 21.1 39.3#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.053 ug/L  
 RT: 8.19 min Scan# 2129  
 Delta R.T. -0.03 min  
 Lab File: VU040312.D  
 Acq: 25 Sep 2020 20:10

Tgt Ion: 75 Resp: 833  
 Ion Ratio Lower Upper  
 75 100  
 77 38.1 23.9 44.3





#59

1,2,3-Trichloropropane

Concen: 0.842 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040312.D

Acq: 25 Sep 2020 20:10

Instrument :

MSVOA\_U

ClientSampleId :

BG488

Tot Ion: 75 Resp: 7127

Ion Ratio Lower Upper

75 100

77 37.6 24.9 37.3#

