

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\  
 Data File : VU038648.D  
 Acq On : 07 Jun 2020 04:25  
 Operator : SY/MD  
 Sample : L2911-11  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9D40

Quant Time: Jun 08 03:03:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jun 08 02:53:04 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 318606   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 314831   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 150684   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 101158   | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 98.20%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 86046    | 5.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 108.60% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 153956   | 3.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 75.80%  |
| 20) 2-Butanone-d5              | 4.67   | 46    | 383962   | 61.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 122.60% |
| 24) Chloroform-d               | 5.10   | 84    | 211524   | 5.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 109.20% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 124282   | 5.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 113.00% |
| 32) Benzene-d6                 | 5.76   | 84    | 436289   | 5.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 111.00% |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 134320   | 5.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 111.20% |
| 41) Toluene-d8                 | 7.92   | 98    | 363386   | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.00% |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 49391    | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 95.00%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 327898   | 63.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 127.76% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 117655   | 5.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 114.60% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 150345   | 5.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 115.60% |

## Target Compounds

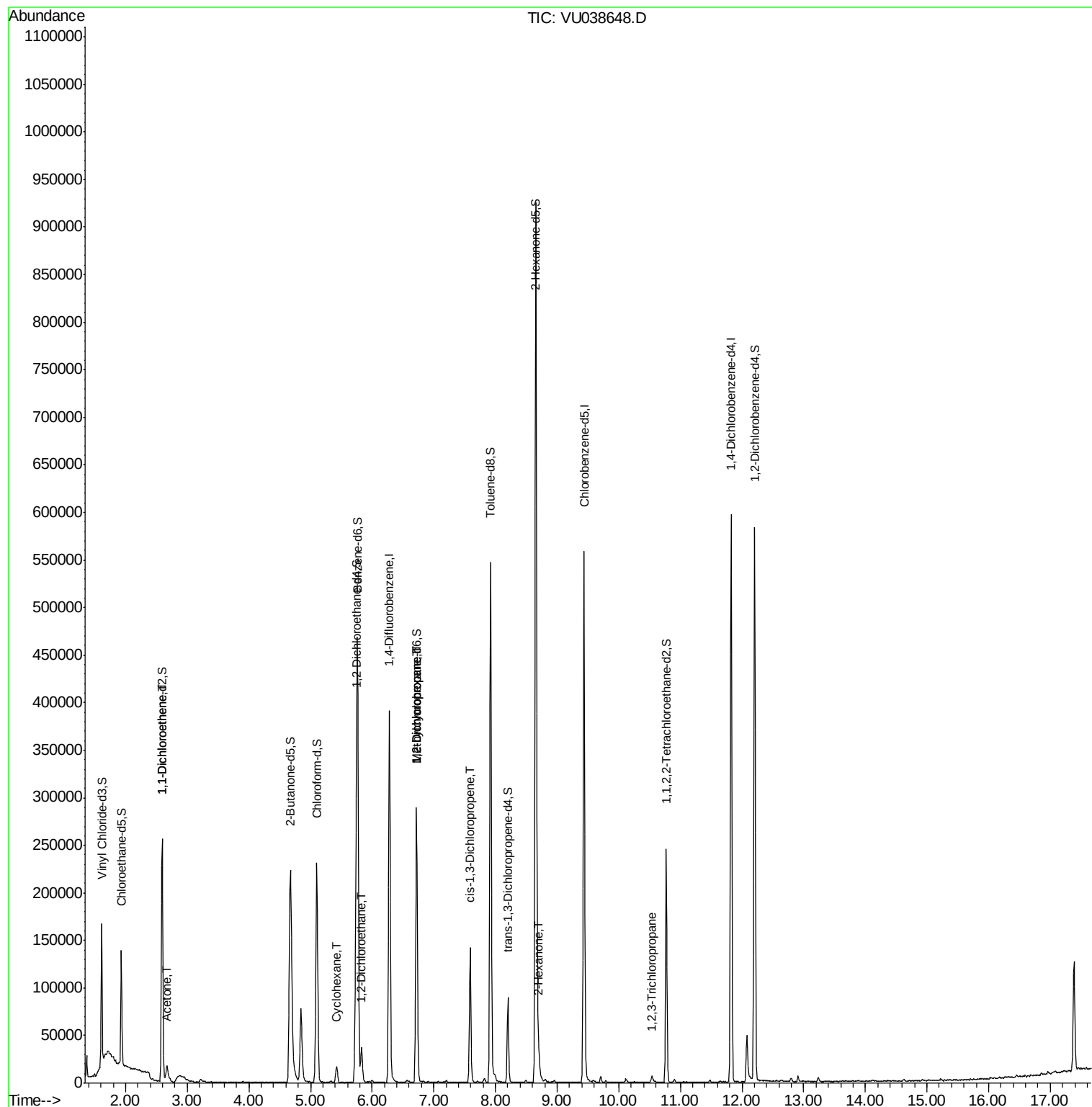
| Target Compounds            | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|-----------------------------|-------|------|----------|-------|--------|--------|
| 12) 1,1-Dichloroethene      | 2.59  | 96   | 1179     | 0.060 | ug/L # | 1      |
| 13) Acetone                 | 2.67  | 43   | 27129    | 6.618 | ug/L   | 97     |
| 27) 1,2-Dichloroethane      | 5.83  | 62   | 30195    | 1.116 | ug/L   | 100    |
| 30) Cyclohexane             | 5.42  | 56   | 8755     | 0.251 | ug/L   | 94     |
| 35) Methylcyclohexane       | 6.72  | 83   | 32128    | 0.911 | ug/L # | 18     |
| 37) 1,2-Dichloropropane     | 6.72  | 63   | 15222    | 0.689 | ug/L # | 86     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75   | 3545     | 0.109 | ug/L # | 53     |
| 48) 2-Hexanone              | 8.71  | 43   | 12552    | 1.049 | ug/L   | 99     |
| 59) 1,2,3-Trichloropropane  | 10.54 | 75   | 4304     | 0.261 | ug/L # | 43     |

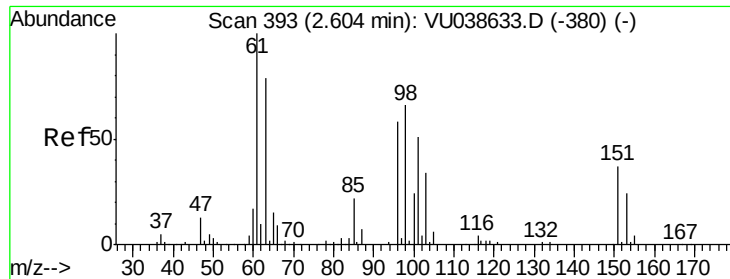
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 08 03:03:26 2020  
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Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Jun 08 02:53:04 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.060 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038648.D

Acq: 07 Jun 2020 04:25

Instrument :

MSVOA\_U

ClientSampleId :

F9D40

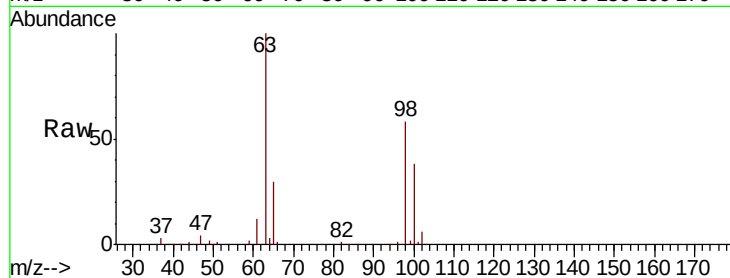
Tot Ion: 96 Resp: 1179

Ion Ratio Lower Upper

96 100

61 1459.3 119.9 222.7#

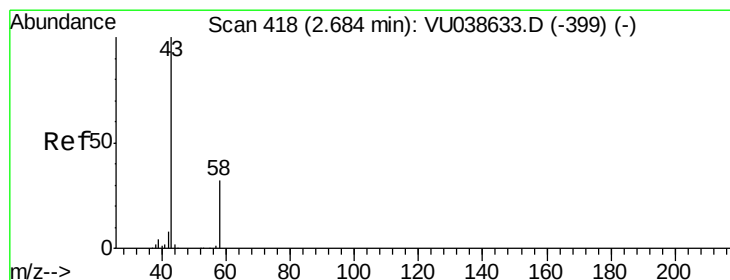
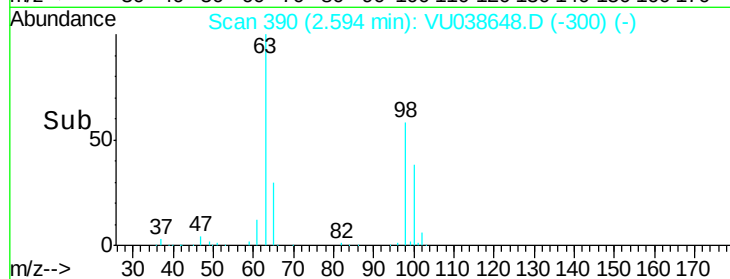
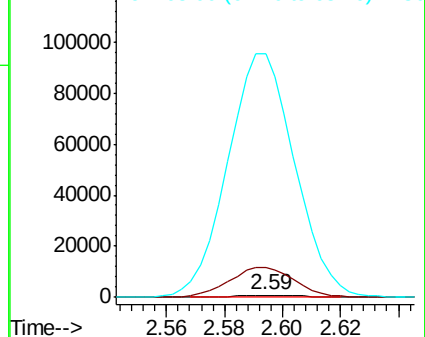
63 11824.3 89.9 167.0#



Abundance Ion 96.00 (95.70 to 96.70): VU038648.D (-300) (-)

Ion 61.05 (60.75 to 61.75): VU038648.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU038648.D (-300) (-)



#13

Acetone

Concen: 6.618 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU038648.D

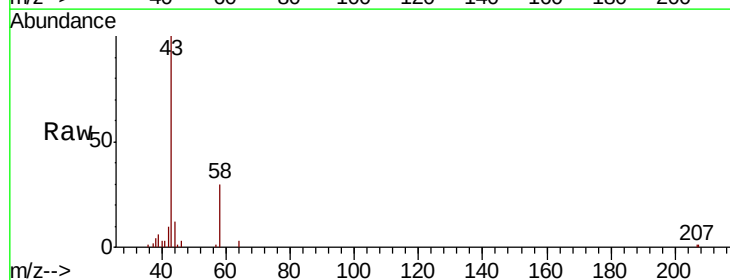
Acq: 07 Jun 2020 04:25

Tgt Ion: 43 Resp: 27129

Ion Ratio Lower Upper

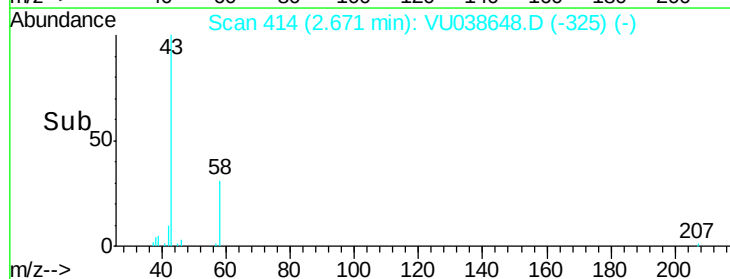
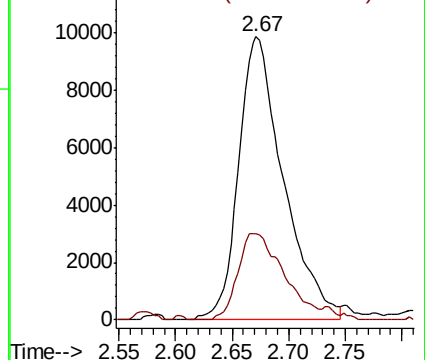
43 100

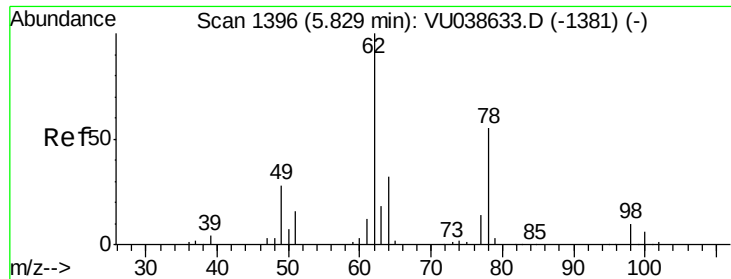
58 31.1 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038648.D (-325) (-)

Ion 58.05 (57.75 to 58.75): VU038648.D (-325) (-)

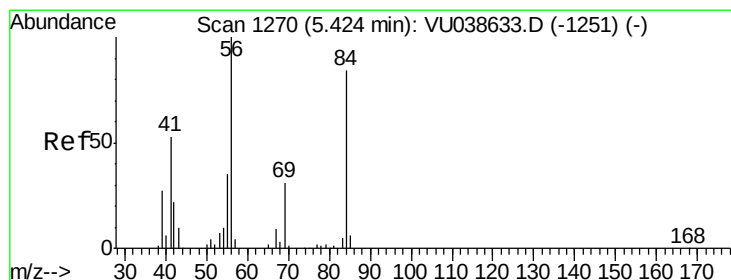
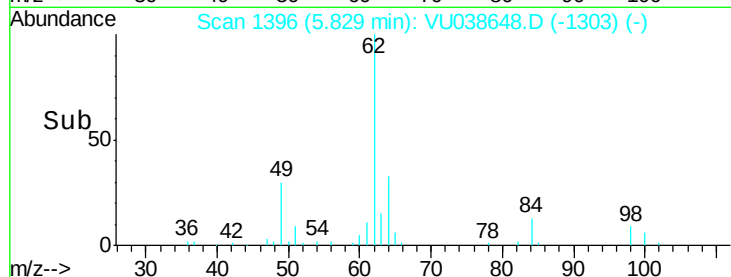
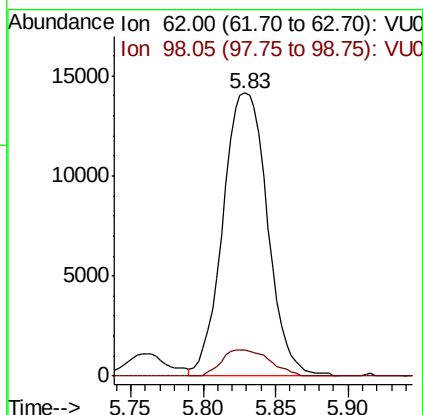
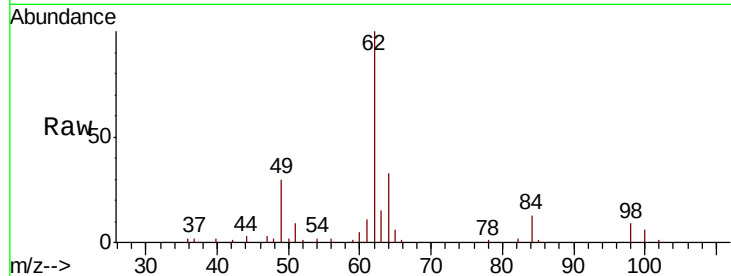




#27  
 1,2-Dichloroethane  
 Concen: 1.116 ug/L  
 RT: 5.83 min Scan# 1396  
 Delta R.T. -0.00 min  
 Lab File: VU038648.D  
 Acq: 07 Jun 2020 04:25

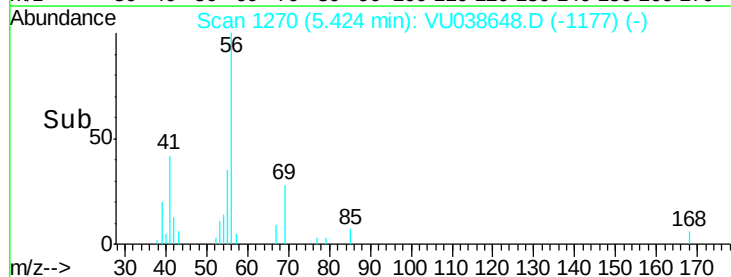
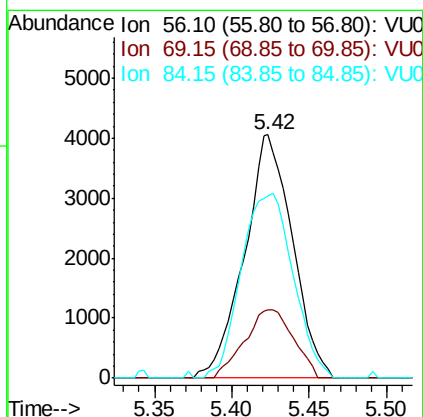
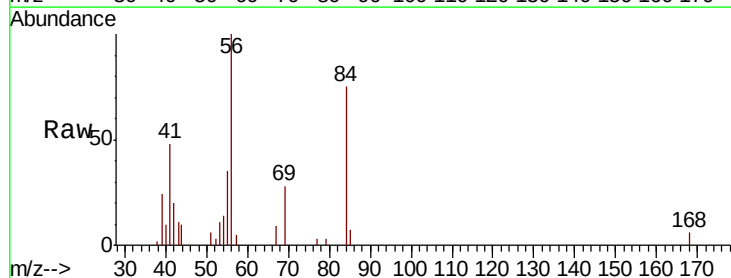
Instrument :  
 MSVOA\_U  
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 F9D40

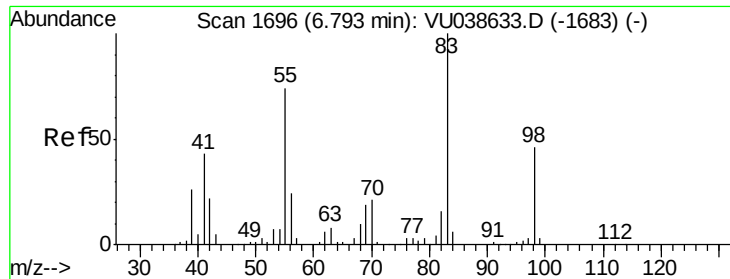
Tot Ion: 62 Resp: 30195  
 Ion Ratio Lower Upper  
 62 100  
 98 9.1 7.4 11.2



#30  
 Cyclohexane  
 Concen: 0.251 ug/L  
 RT: 5.42 min Scan# 1270  
 Delta R.T. -0.00 min  
 Lab File: VU038648.D  
 Acq: 07 Jun 2020 04:25

Tgt Ion: 56 Resp: 8755  
 Ion Ratio Lower Upper  
 56 100  
 69 28.7 24.2 36.4  
 84 82.0 70.8 106.2

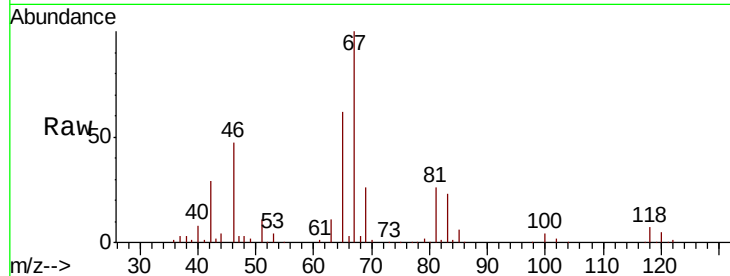




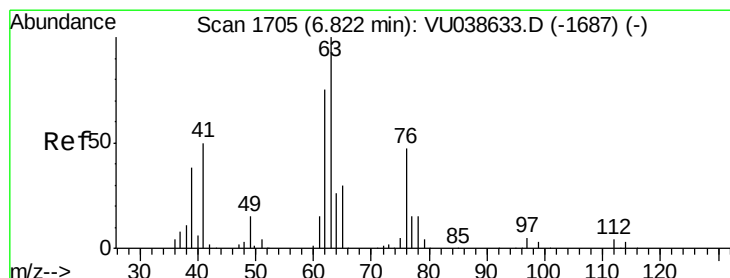
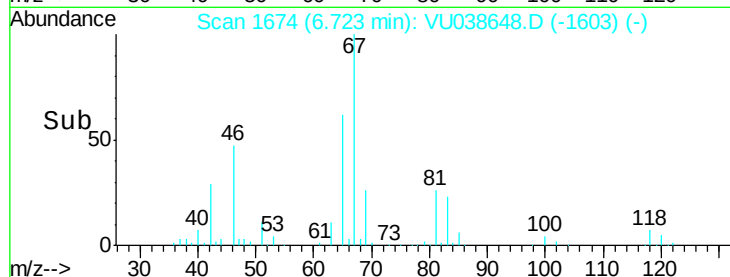
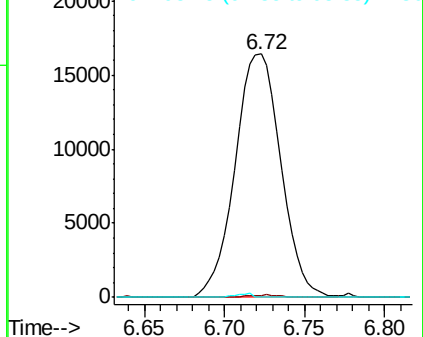
#35  
Methylvlcyclohexane  
Concen: 0.911 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.07 min  
Lab File: VU038648.D  
Acq: 07 Jun 2020 04:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9D40

Tot Ion: 83 Resp: 32128  
Ion Ratio Lower Upper  
83 100  
55 0.6 63.4 95.2#  
98 0.5 39.0 58.4#

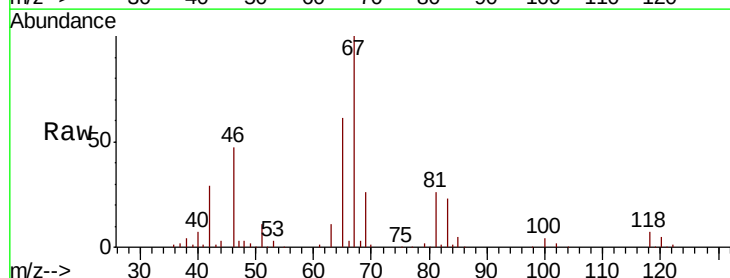


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

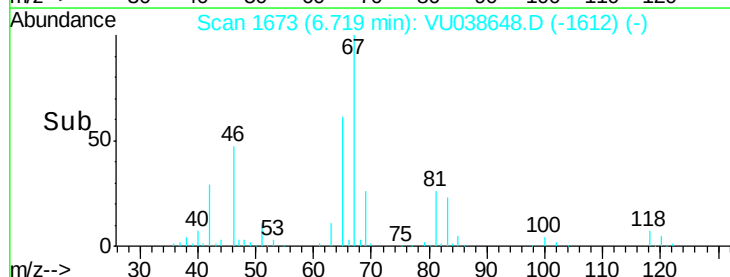
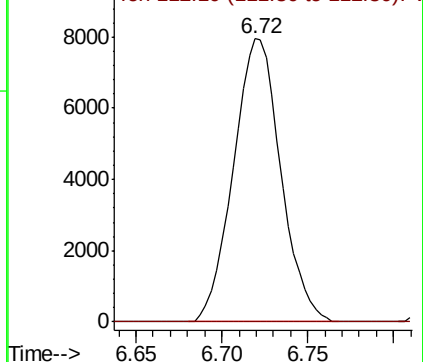


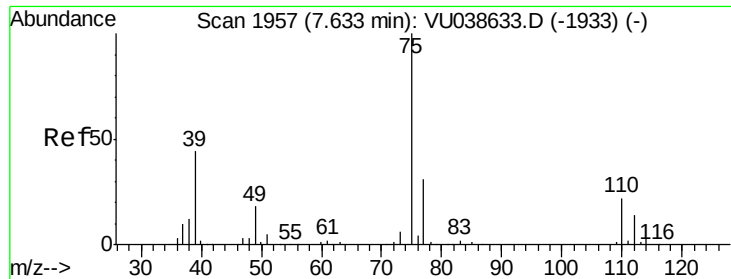
#37  
1,2-Dichloropropane  
Concen: 0.689 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.10 min  
Lab File: VU038648.D  
Acq: 07 Jun 2020 04:25

Tgt Ion: 63 Resp: 15222  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.7 5.5#



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

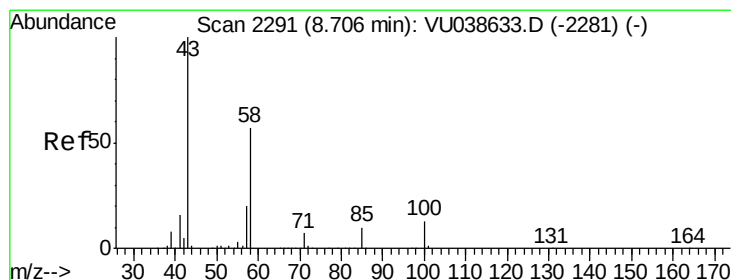
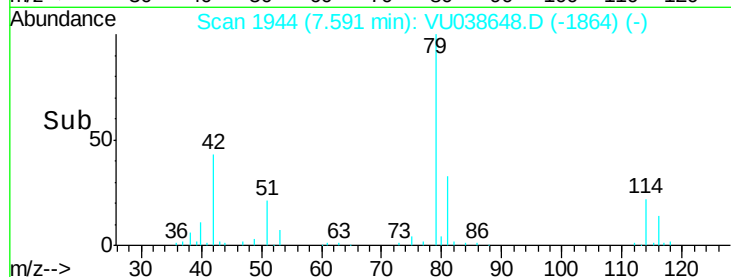
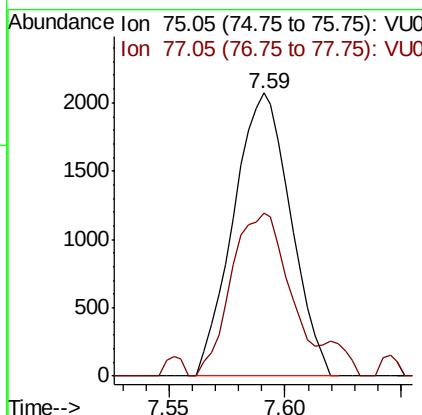
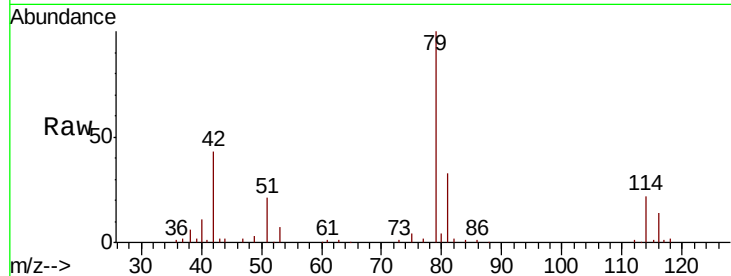




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.109 ug/L  
 RT: 7.59 min Scan# 1944  
 Delta R.T. -0.04 min  
 Lab File: VU038648.D  
 Acq: 07 Jun 2020 04:25

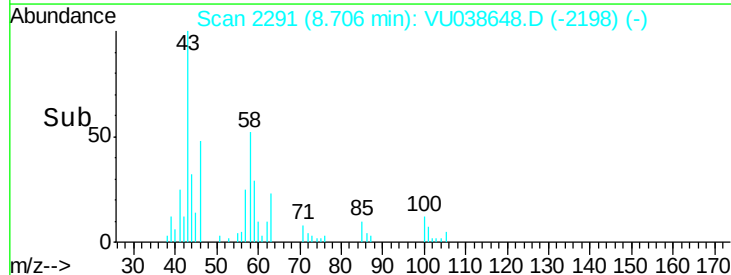
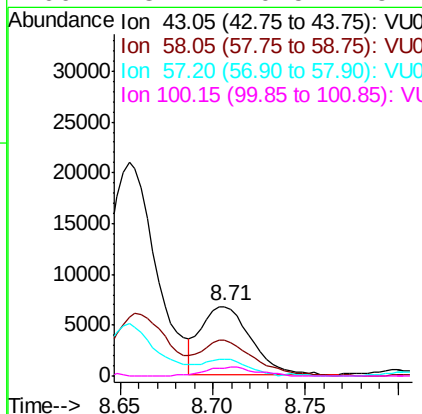
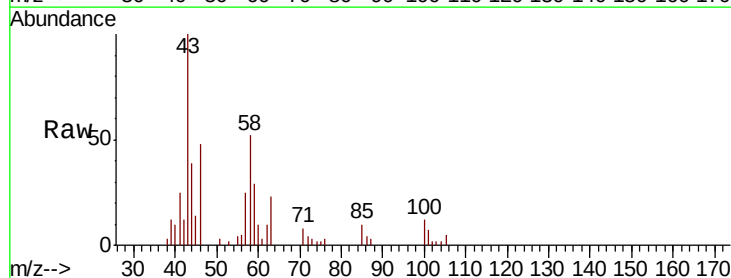
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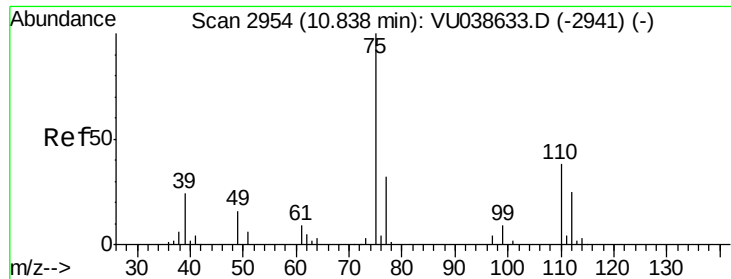
Tot Ion: 75 Resp: 3545  
 Ion Ratio Lower Upper  
 75 100  
 77 57.4 21.9 40.7#



#48  
 2-Hexanone  
 Concen: 1.049 ug/L  
 RT: 8.71 min Scan# 2291  
 Delta R.T. -0.00 min  
 Lab File: VU038648.D  
 Acq: 07 Jun 2020 04:25

Tgt Ion: 43 Resp: 12552  
 Ion Ratio Lower Upper  
 43 100  
 58 56.1 45.4 68.0  
 57 21.5 15.9 23.9  
 100 13.1 10.5 15.7





#59

1,2,3-Trichloropropane

Concen: 0.261 ug/L

RT: 10.54 min Scan# 2861

Delta R.T. -0.30 min

Lab File: VU038648.D

Acq: 07 Jun 2020 04:25

Instrument :

MSVOA\_U

ClientSampleId :

F9D40

Tot Ion: 75 Resp: 4304

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

