

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\  
 Data File : VU039455.D  
 Acq On : 11 Jul 2020 02:00  
 Operator : SY/MD  
 Sample : L3268-11  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 11 05:03:17 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Jul 11 05:00:40 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.27  | 114  | 90492    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 87169    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 41131    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 17918    | 3.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 68.40%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 23649    | 4.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 88.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 29062    | 2.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 56.40%# |
| 20) 2-Butanone-d5              | 4.65   | 46    | 135514   | 56.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 112.94% |
| 24) Chloroform-d               | 5.08   | 84    | 53627    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 35608    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.60% |
| 32) Benzene-d6                 | 5.75   | 84    | 98806    | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 36264    | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.40%  |
| 41) Toluene-d8                 | 7.91   | 98    | 85160    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.60%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 14126    | 4.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 86.80%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 97844    | 50.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 101.32% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76  | 84    | 36219    | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 99.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 36360    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.00%  |

## Target Compounds

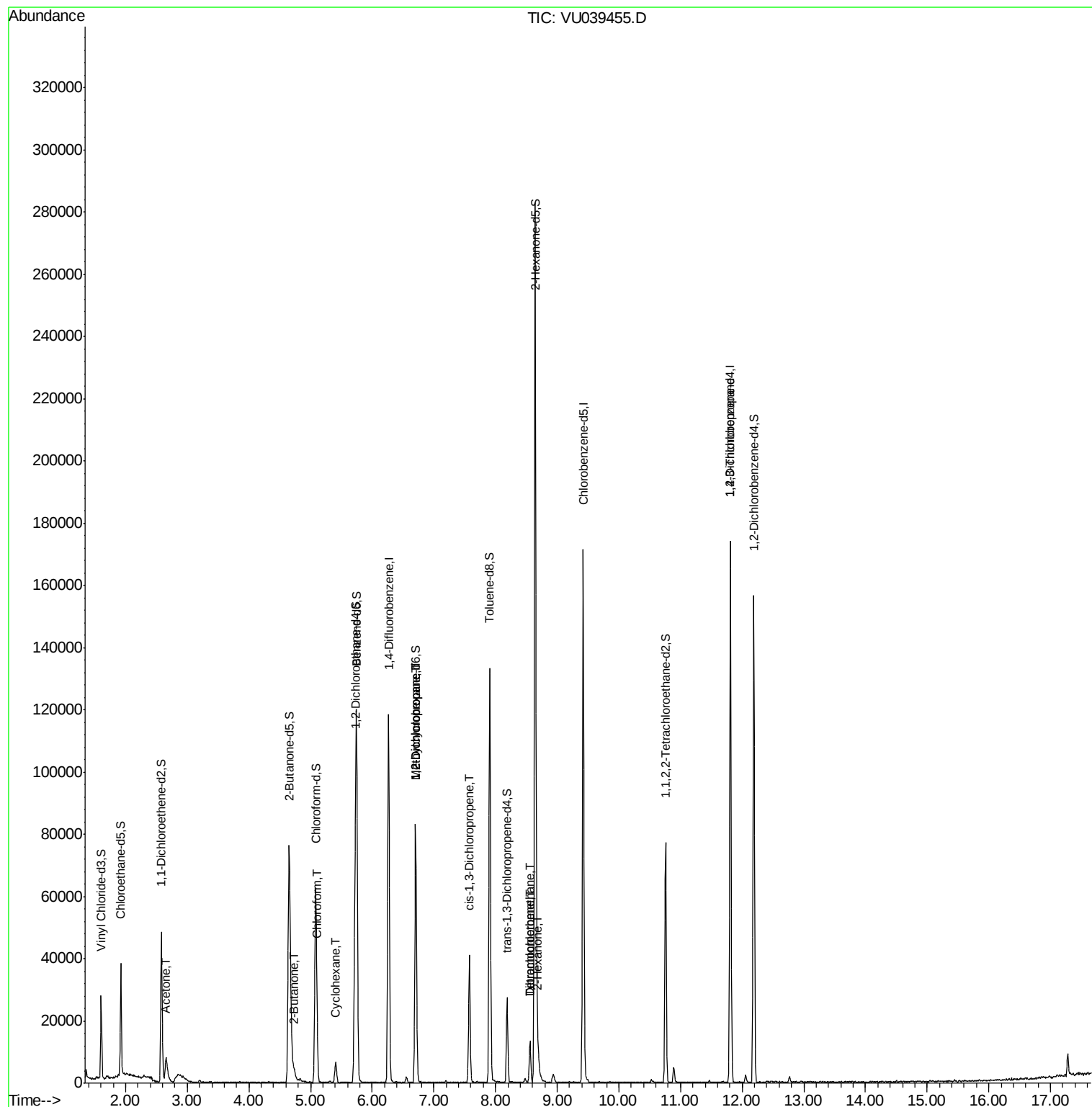
|                             |       |     |       |        | Ovalue    |
|-----------------------------|-------|-----|-------|--------|-----------|
| 13) Acetone                 | 2.66  | 43  | 14524 | 11.213 | ug/L 95   |
| 21) 2-Butanone              | 4.74  | 43  | 2730  | 1.181  | ug/L 97   |
| 25) Chloroform              | 5.11  | 83  | 1916  | 0.163  | ug/L 98   |
| 30) Cyclohexane             | 5.41  | 56  | 3642  | 0.337  | ug/L 85   |
| 35) Methylcyclohexane       | 6.70  | 83  | 7823  | 0.725  | ug/L # 18 |
| 37) 1,2-Dichloropropane     | 6.71  | 63  | 4143  | 0.583  | ug/L # 91 |
| 39) cis-1,3-Dichloropropene | 7.57  | 75  | 1041  | 0.097  | ug/L # 66 |
| 47) Tetrachloroethene       | 8.56  | 164 | 2540  | 0.542  | ug/L 90   |
| 48) 2-Hexanone              | 8.69  | 43  | 4964  | 1.136  | ug/L # 52 |
| 49) Dibromochloromethane    | 8.56  | 129 | 2588  | 0.419  | ug/L # 10 |
| 59) 1,2,3-Trichloropropane  | 11.81 | 75  | 7111  | 1.358  | ug/L 99   |

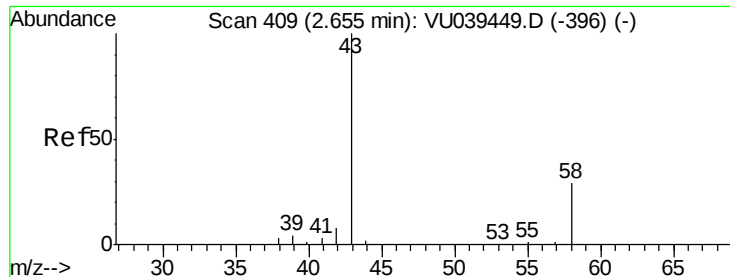
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071020\  
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Operator : SY/MD  
Sample : L3268-11  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Jul 11 05:03:17 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Jul 11 05:00:40 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 11.213 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU039455.D

Acq: 11 Jul 2020 02:00

Instrument :

MSVOA\_U

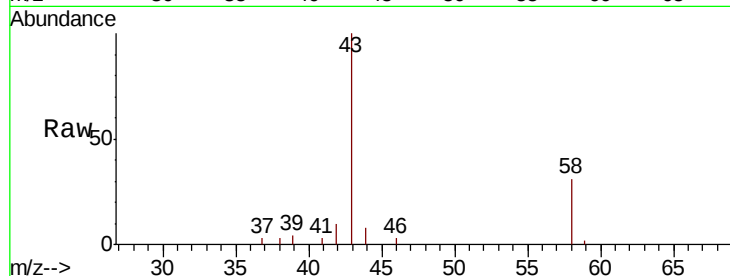
ClientSampleId :

Tot Ion: 43 Resp: 14524

Ion Ratio Lower Upper

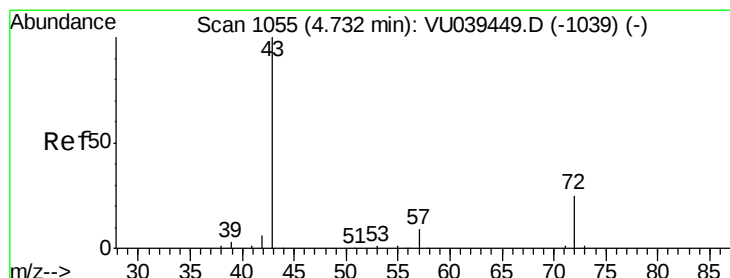
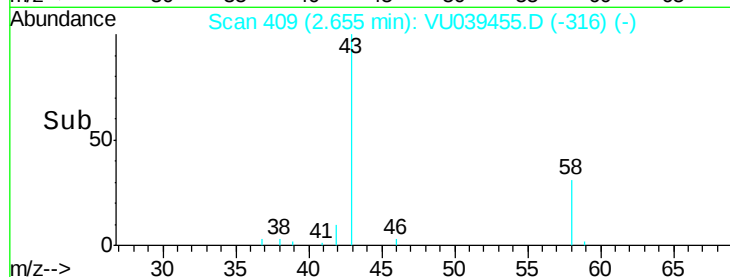
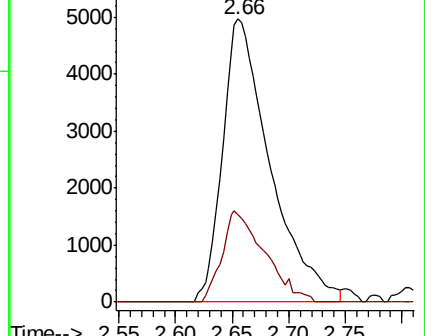
43 100

58 28.8 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039449.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU039449.D (-396) (-)



#21

2-Butanone

Concen: 1.181 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.01 min

Lab File: VU039455.D

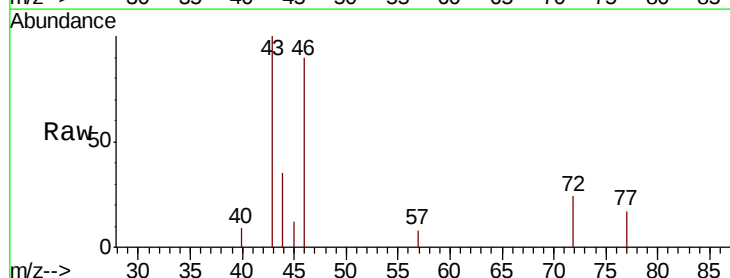
Acq: 11 Jul 2020 02:00

Tgt Ion: 43 Resp: 2730

Ion Ratio Lower Upper

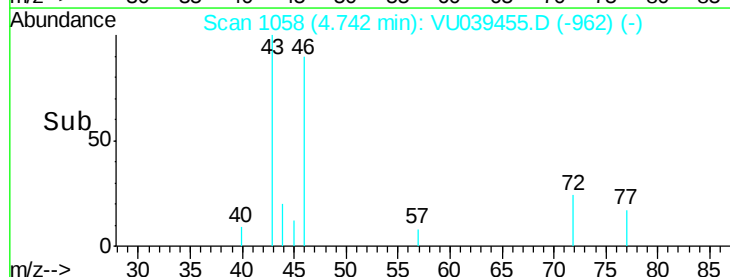
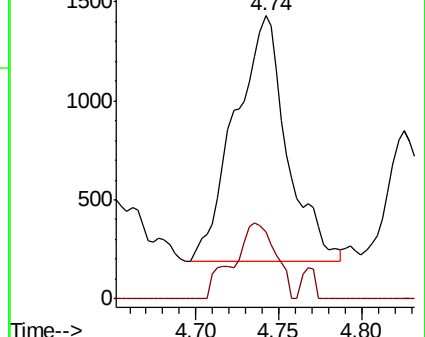
43 100

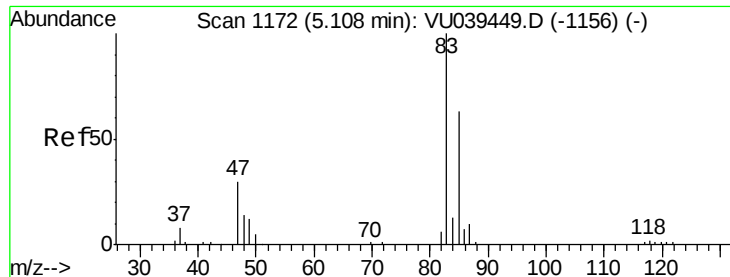
72 24.9 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU039449.D (-1039) (-)

Ion 72.10 (71.80 to 72.80): VU039449.D (-1039) (-)

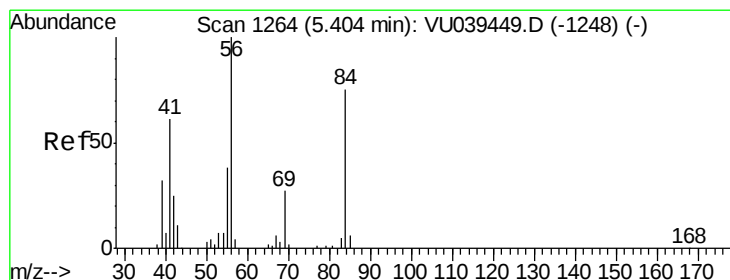
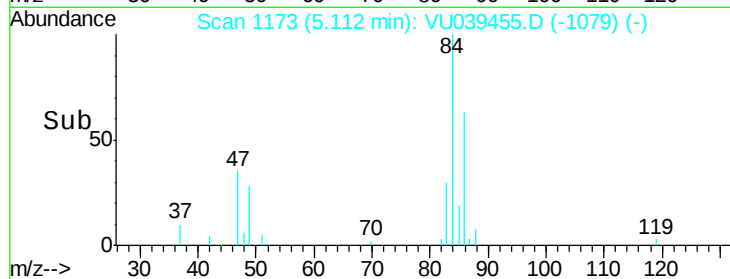
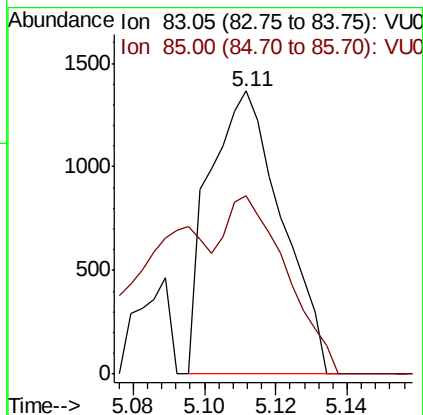
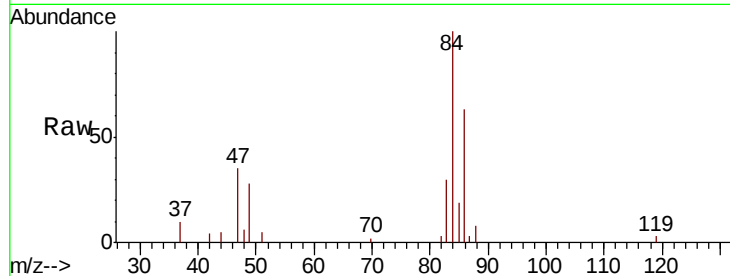




#25  
Chloroform  
Concen: 0.163 ug/L  
RT: 5.11 min Scan# 1173  
Delta R.T. 0.00 min  
Lab File: VU039455.D  
Acq: 11 Jul 2020 02:00

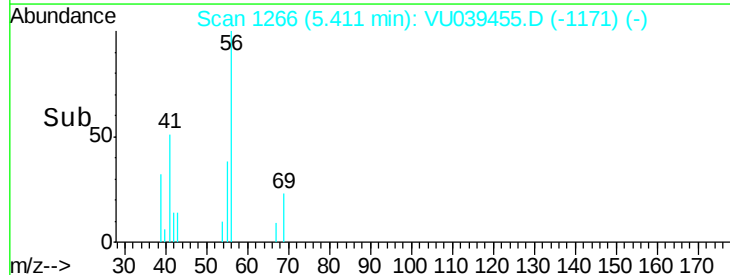
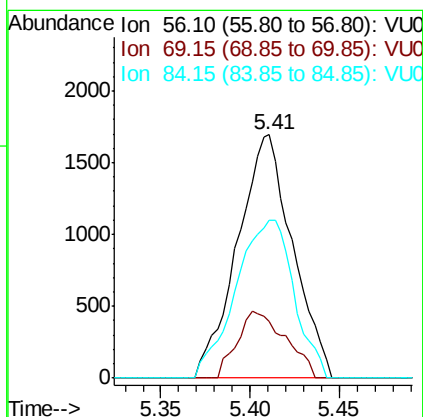
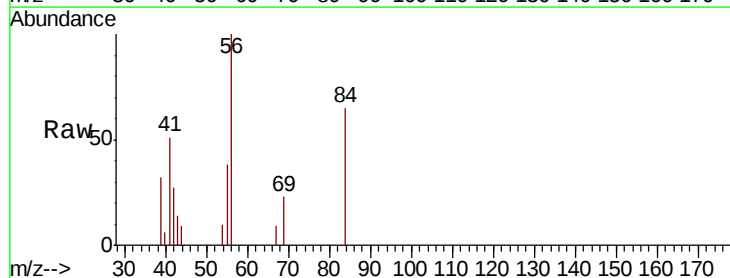
Instrument :  
MSVOA\_U  
ClientSampleId :

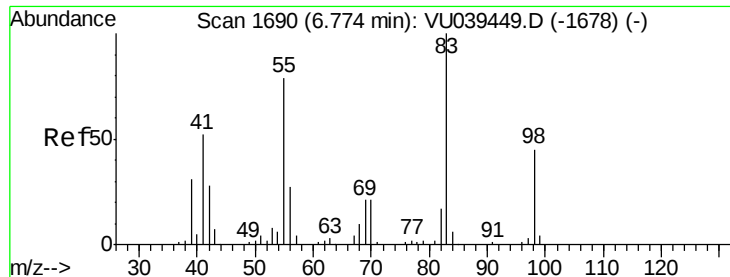
Tot Ion: 83 Resp: 1916  
Ion Ratio Lower Upper  
83 100  
85 62.9 44.9 83.5



#30  
Cyclohexane  
Concen: 0.337 ug/L  
RT: 5.41 min Scan# 1266  
Delta R.T. 0.01 min  
Lab File: VU039455.D  
Acq: 11 Jul 2020 02:00

Tgt Ion: 56 Resp: 3642  
Ion Ratio Lower Upper  
56 100  
69 24.1 24.1 36.1  
84 68.5 67.0 100.6

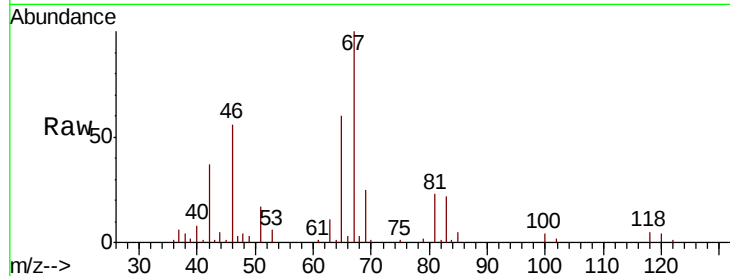




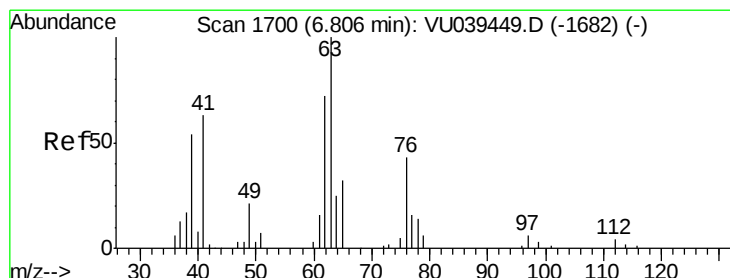
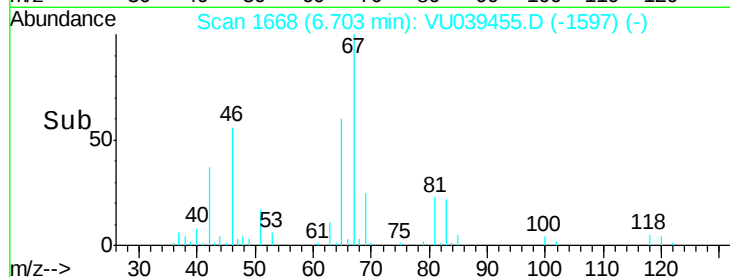
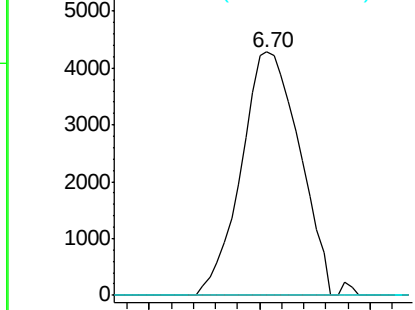
#35  
Methylcyclohexane  
Concen: 0.725 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU039455.D  
Acq: 11 Jul 2020 02:00

Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion: 83 Resp: 7823  
Ion Ratio Lower Upper  
83 100  
55 0.0 62.1 93.1#  
98 0.0 35.9 53.9#

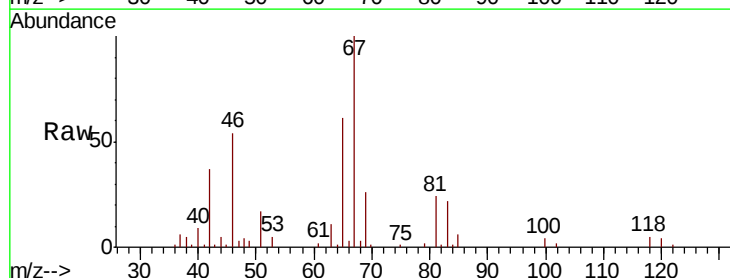


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

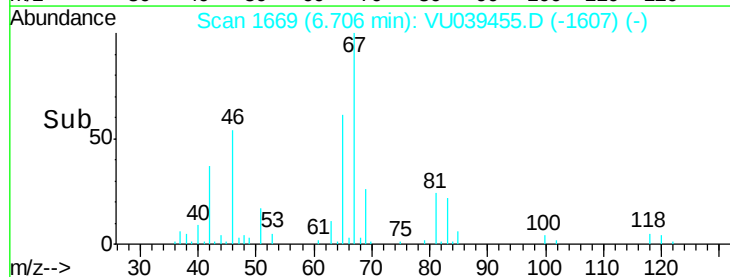
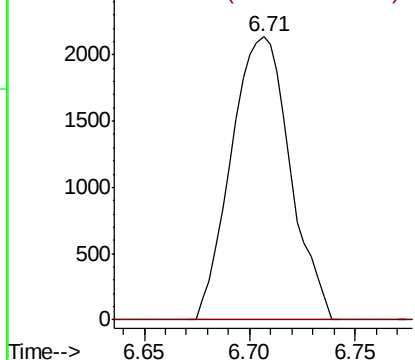


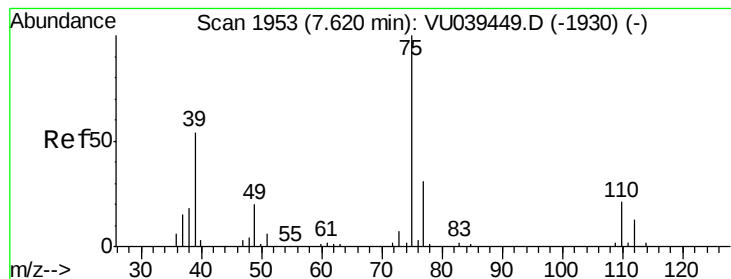
#37  
1,2-Dichloropropane  
Concen: 0.583 ug/L  
RT: 6.71 min Scan# 1669  
Delta R.T. -0.10 min  
Lab File: VU039455.D  
Acq: 11 Jul 2020 02:00

Tgt Ion: 63 Resp: 4143  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.5 3.7#



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



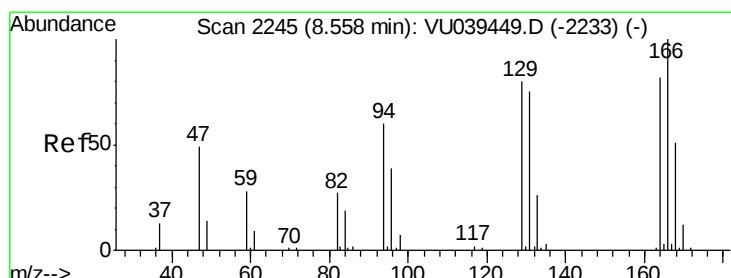
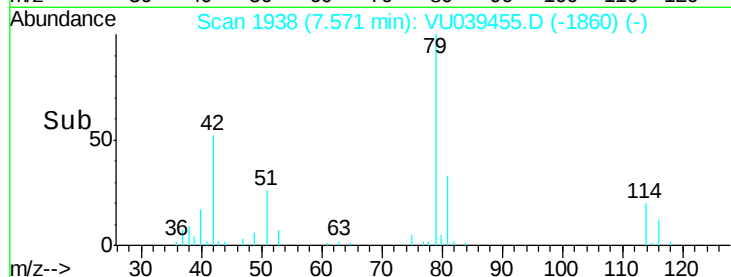
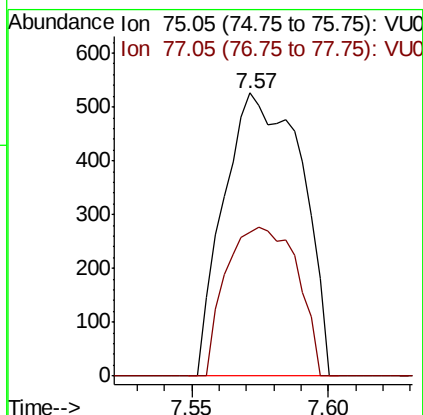
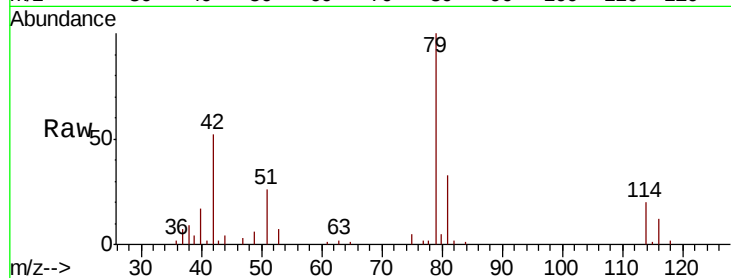


#39

cis-1,3-Dichloropropene  
Concen: 0.097 ug/L  
RT: 7.57 min Scan# 1938  
Delta R.T. -0.05 min  
Lab File: VU039455.D  
Acq: 11 Jul 2020 02:00

Instrument :  
MSVOA\_U  
ClientSampled :

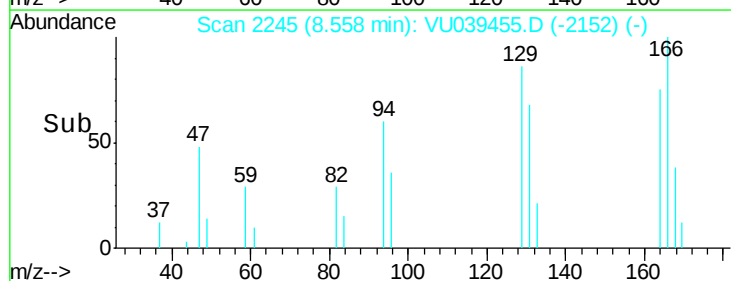
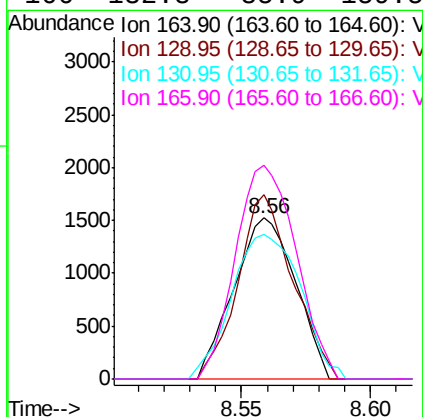
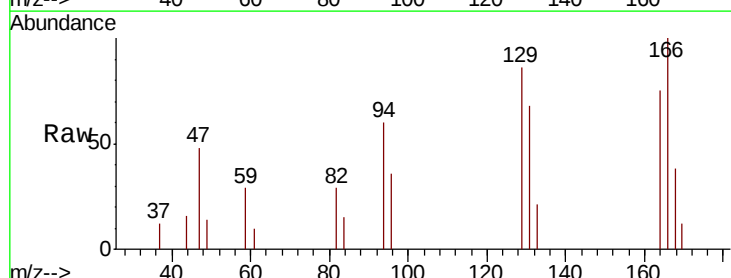
Tot Ion: 75 Resp: 1041  
Ion Ratio Lower Upper  
75 100  
77 51.0 22.3 41.3#

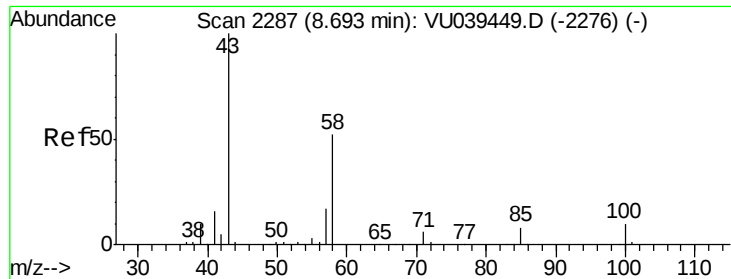


#47

Tetrachloroethene  
Concen: 0.542 ug/L  
RT: 8.56 min Scan# 2245  
Delta R.T. 0.00 min  
Lab File: VU039455.D  
Acq: 11 Jul 2020 02:00

Tgt Ion: 164 Resp: 2540  
Ion Ratio Lower Upper  
164 100  
129 114.2 68.6 127.4  
131 90.1 66.4 123.4  
166 132.8 85.9 159.5

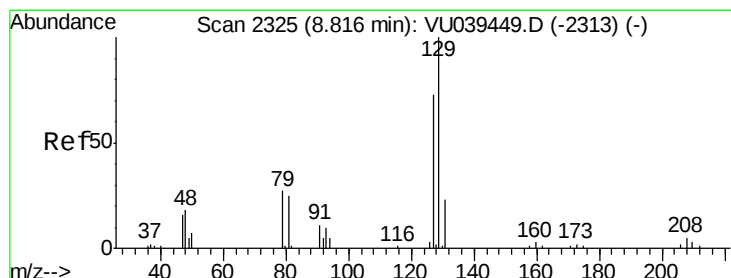
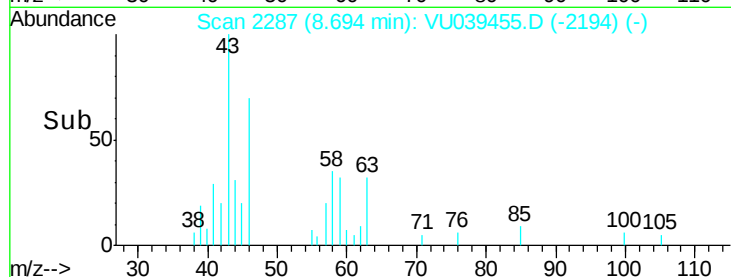
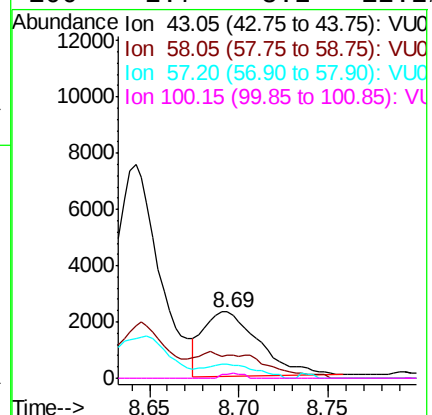
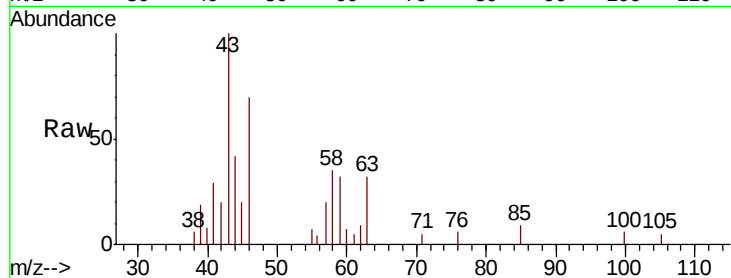




#48  
2-Hexanone  
Concen: 1.136 ug/L  
RT: 8.69 min Scan# 2287  
Delta R.T. 0.00 min  
Lab File: VU039455.D  
Acq: 11 Jul 2020 02:00

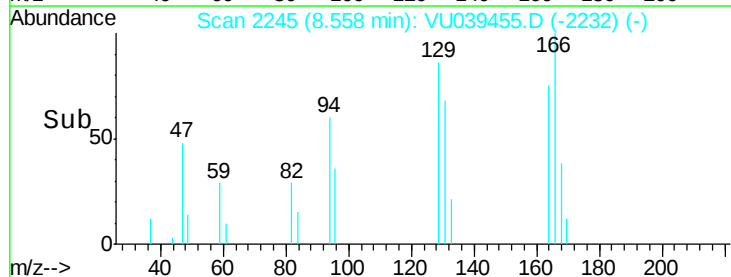
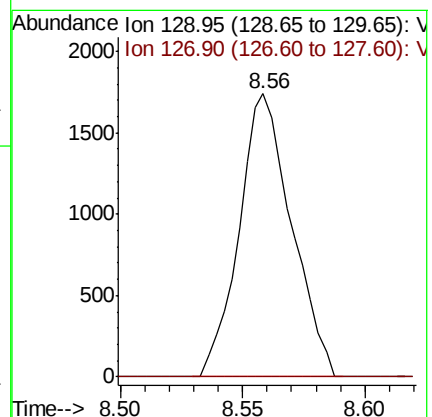
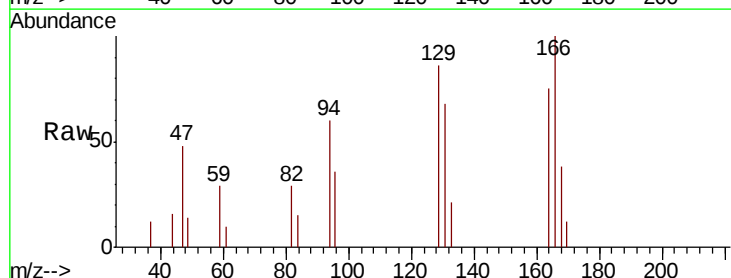
Instrument :  
MSVOA\_U  
ClientSampleId :

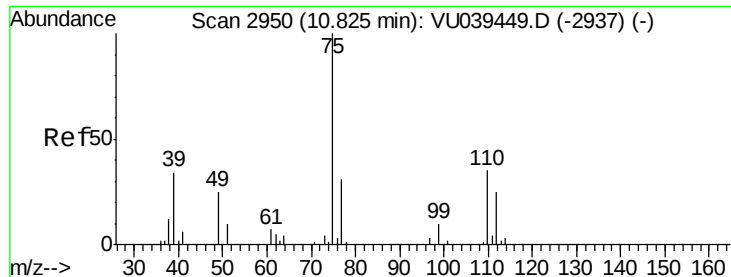
Tot Ion: 43 Resp: 4964  
Ion Ratio Lower Upper  
43 100  
58 5.1 42.0 63.0#  
57 20.4 14.0 21.0  
100 2.7 8.2 12.2#



#49  
Dibromochloromethane  
Concen: 0.419 ug/L  
RT: 8.56 min Scan# 2245  
Delta R.T. -0.26 min  
Lab File: VU039455.D  
Acq: 11 Jul 2020 02:00

Tgt Ion: 129 Resp: 2588  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.4 102.8#





#59

1,2,3-Trichloropropane

Concen: 1.358 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.98 min

Lab File: VU039455.D

Acq: 11 Jul 2020 02:00

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 75 Resp: 7111

Ion Ratio Lower Upper

75 100

77 32.9 26.8 40.2

