

Data File : VU035418.D  
Acq On : 23 Oct 2019 18:50  
Operator : JC/SP  
Sample : K5461-07DL 20X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
H0G06DL

Quant Time: Oct 24 05:24:50 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101719WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Oct 24 05:20:56 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 236955   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 241144   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 85007    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 61196    | 4.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 84.60%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 62702    | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 95.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 89958    | 3.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.40%  |
| 20) 2-Butanone-d5              | 4.71   | 46    | 234966   | 56.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 113.18% |
| 24) Chloroform-d               | 5.11   | 84    | 140810   | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.60% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 79132    | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.20% |
| 32) Benzene-d6                 | 5.77   | 84    | 258310   | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 93377    | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 106.60% |
| 41) Toluene-d8                 | 7.93   | 98    | 214381   | 4.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 81.20%  |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 33835    | 3.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 79.60%  |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 170210   | 45.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 90.84%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 83431    | 5.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 107.00% |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 75984    | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.20%  |

#### Target Compounds

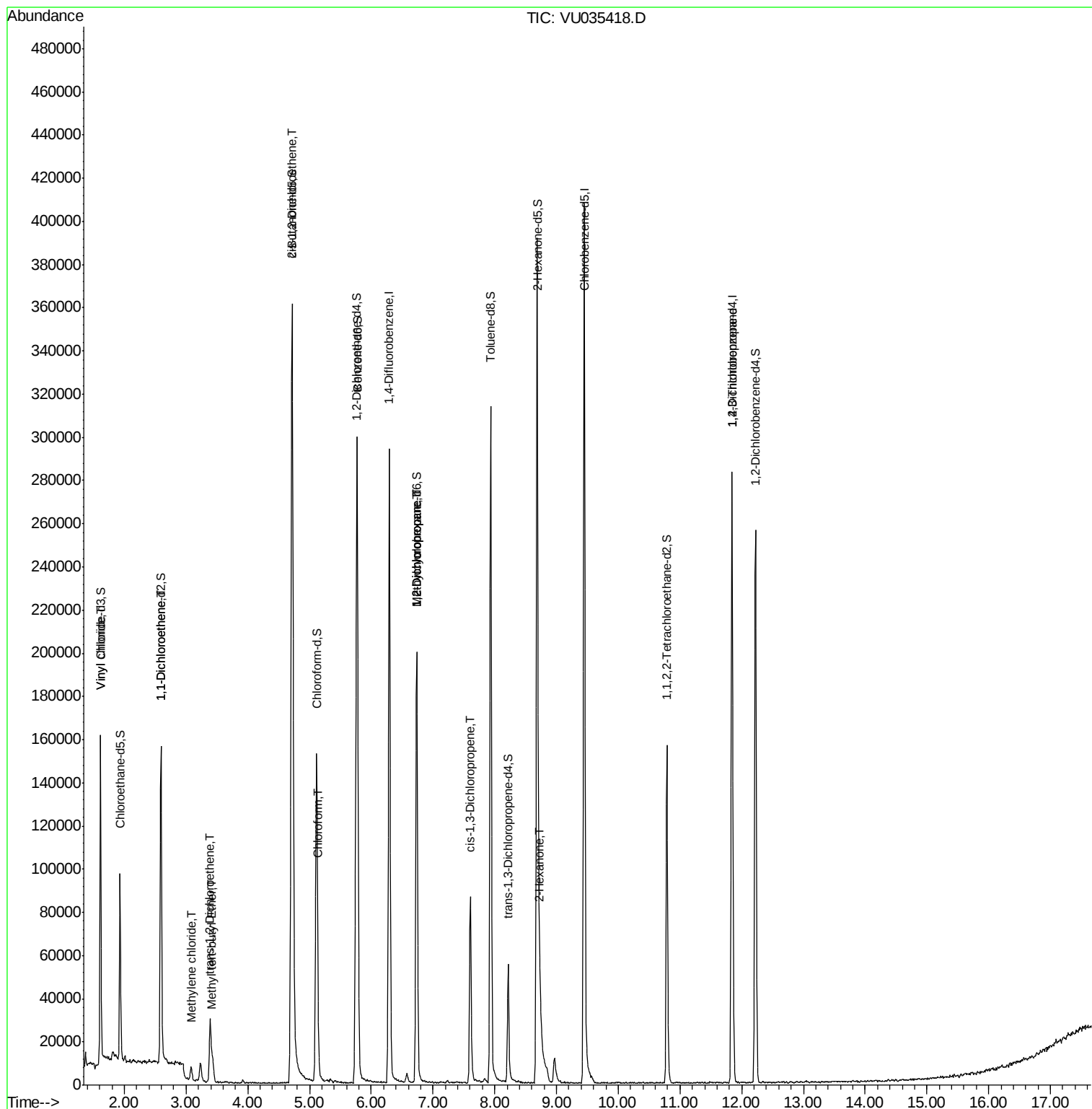
|                              |       |    |        |              | Qvalue |
|------------------------------|-------|----|--------|--------------|--------|
| 5) Vinyl chloride            | 1.62  | 62 | 48155  | 2.344 ug/L   | 96     |
| 12) 1,1-Dichloroethene       | 2.60  | 96 | 984    | 0.065 ug/L # | 1      |
| 16) Methylene chloride       | 3.09  | 84 | 2864   | 0.156 ug/L   | 98     |
| 17) Methyl tert-butyl Ether  | 3.43  | 73 | 11646  | 0.284 ug/L # | 92     |
| 18) trans-1,2-Dichloroethene | 3.39  | 96 | 12374  | 0.753 ug/L   | 100    |
| 22) cis-1,2-Dichloroethene   | 4.72  | 96 | 114749 | 6.319 ug/L   | 97     |
| 25) Chloroform               | 5.14  | 83 | 7184   | 0.220 ug/L   | 85     |
| 35) Methylcyclohexane        | 6.74  | 83 | 21090  | 0.662 ug/L # | 19     |
| 37) 1,2-Dichloropropane      | 6.74  | 63 | 10647  | 0.591 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene  | 7.60  | 75 | 2160   | 0.072 ug/L # | 37     |
| 48) 2-Hexanone               | 8.74  | 43 | 10686  | 1.253 ug/L # | 73     |
| 59) 1,2,3-Trichloropropane   | 11.84 | 75 | 11328  | 0.903 ug/L   | 96     |

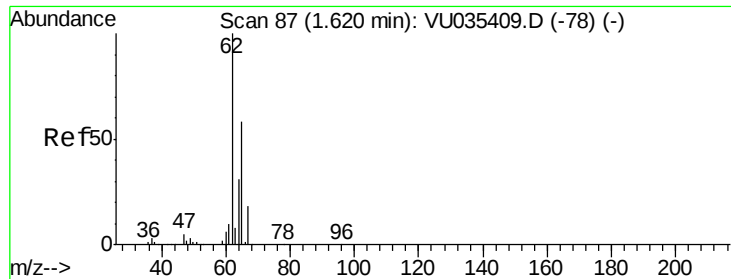
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU035418.D  
Acq On : 23 Oct 2019 18:50  
Operator : JC/SP  
Sample : K5461-07DL 20X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
H0G06DL

Quant Time: Oct 24 05:24:50 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101719WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Oct 24 05:20:56 2019  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.344 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035418.D

Acq: 23 Oct 2019 18:50

Instrument :

MSVOA\_U

ClientSampleId :

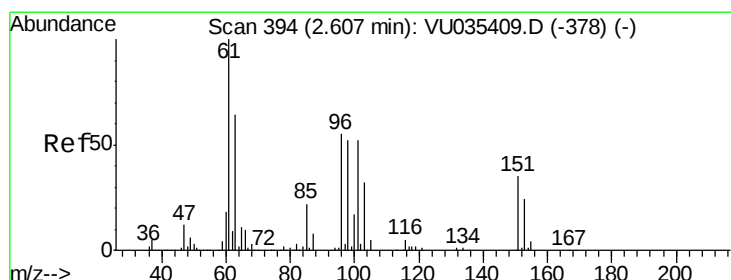
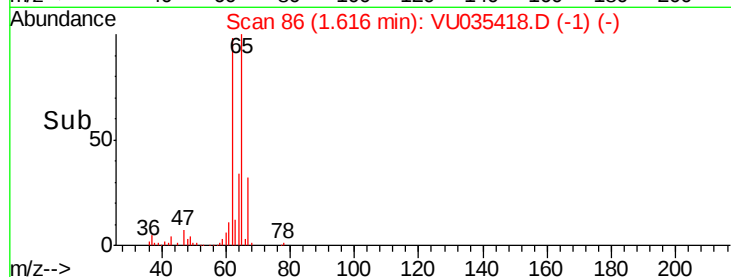
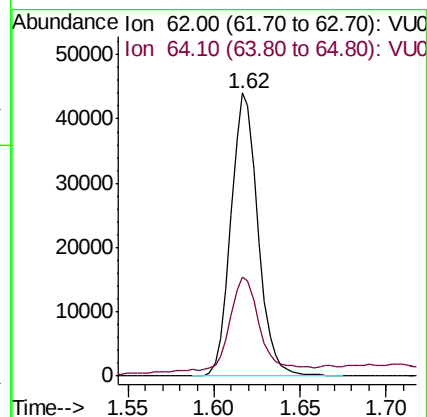
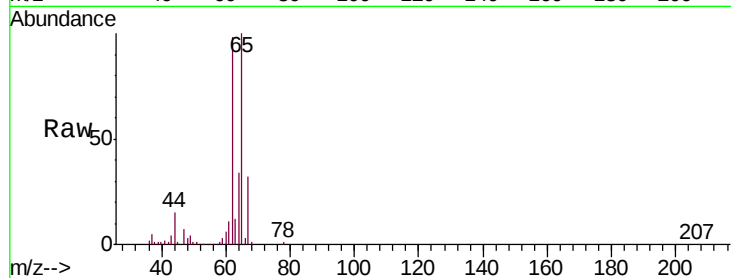
H0G06DL

Tgt Ion: 62 Resp: 48155

Ion Ratio Lower Upper

62 100

64 35.1 22.9 42.5



#12

1,1-Dichloroethene

Concen: 0.065 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035418.D

Acq: 23 Oct 2019 18:50

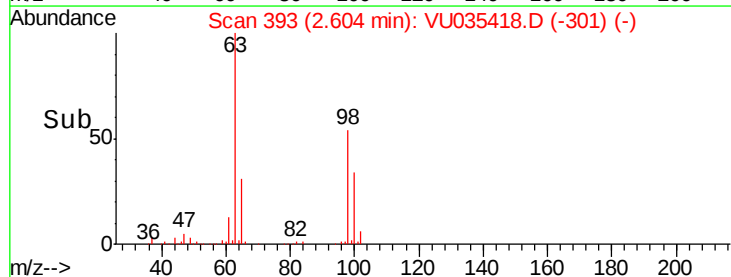
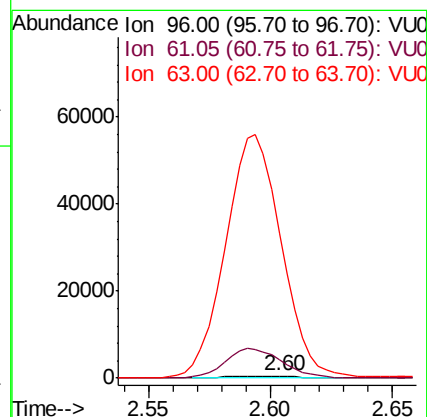
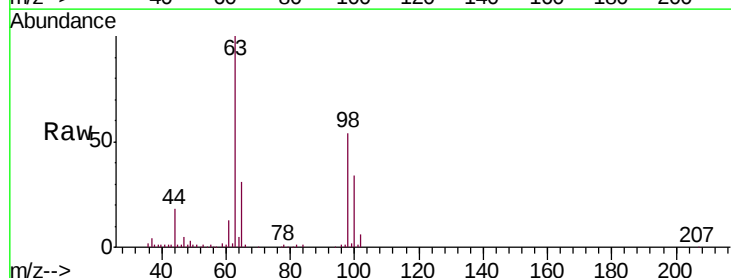
Tgt Ion: 96 Resp: 984

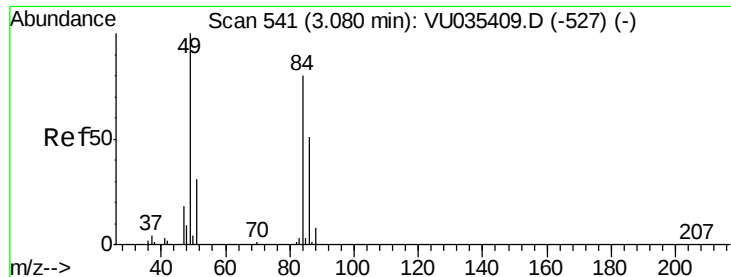
Ion Ratio Lower Upper

96 100

61 905.7 120.6 224.0#

63 7051.8 86.8 161.2#

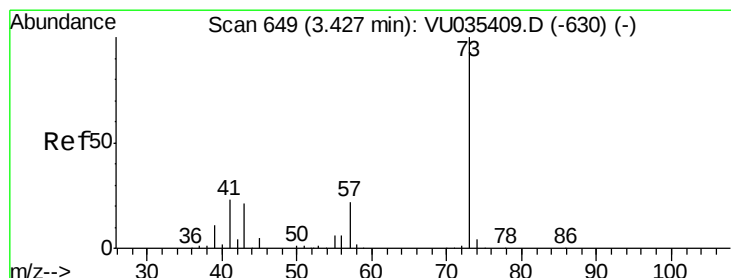
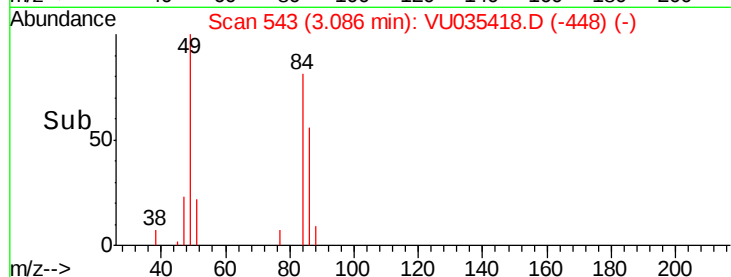
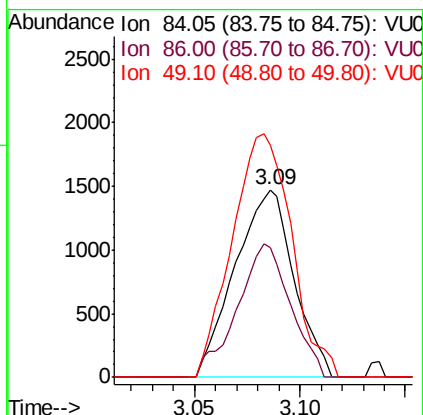
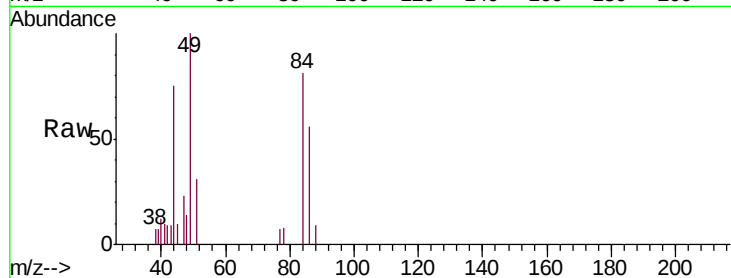




#16  
Methylene chloride  
Concen: 0.156 ug/L  
RT: 3.09 min Scan# 543  
Delta R.T. 0.01 min  
Lab File: VU035418.D  
Acq: 23 Oct 2019 18:50

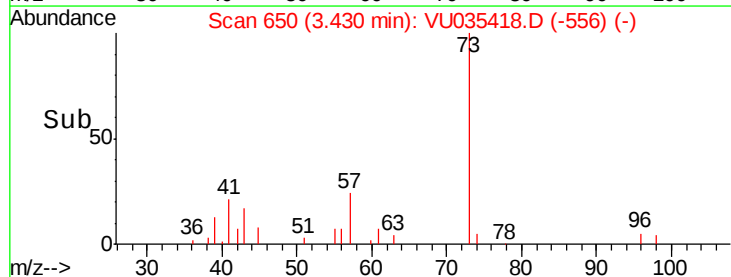
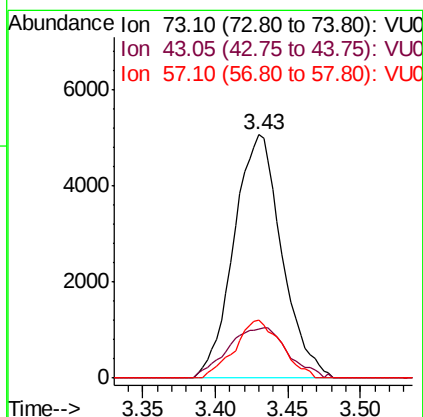
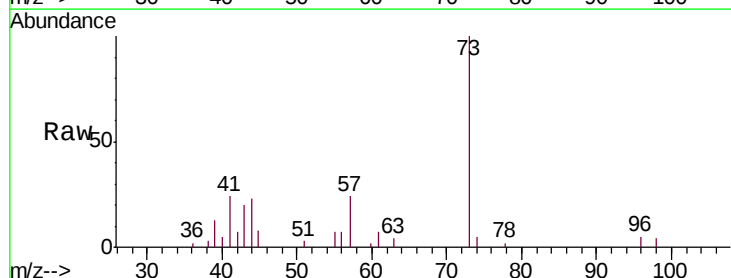
Instrument :  
MSVOA\_U  
ClientSampleId :  
H0G06DL

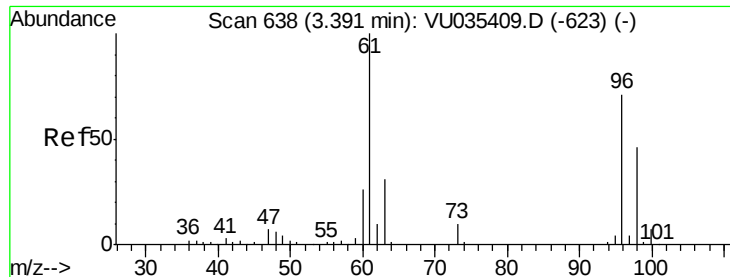
Tgt Ion: 84 Resp: 2864  
Ion Ratio Lower Upper  
84 100  
86 69.2 45.4 84.2  
49 123.6 86.8 161.2



#17  
Methyl tert-butyl Ether  
Concen: 0.284 ug/L  
RT: 3.43 min Scan# 650  
Delta R.T. 0.00 min  
Lab File: VU035418.D  
Acq: 23 Oct 2019 18:50

Tgt Ion: 73 Resp: 11646  
Ion Ratio Lower Upper  
73 100  
43 25.8 16.0 24.0#  
57 23.1 17.4 26.2





#18

trans-1,2-Dichloroethene

Concen: 0.753 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU035418.D

Acq: 23 Oct 2019 18:50

Instrument :

MSVOA\_U

ClientSampled :

H0G06DL

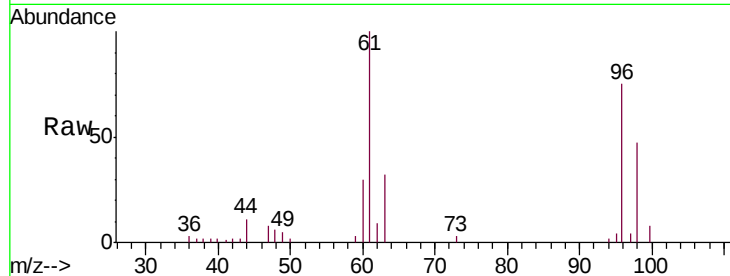
Tgt Ion: 96 Resp: 12374

Ion Ratio Lower Upper

96 100

61 132.7 93.0 172.6

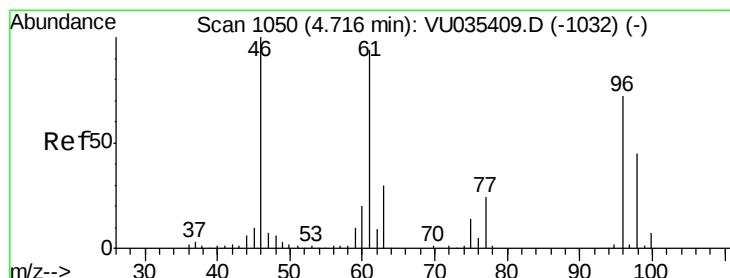
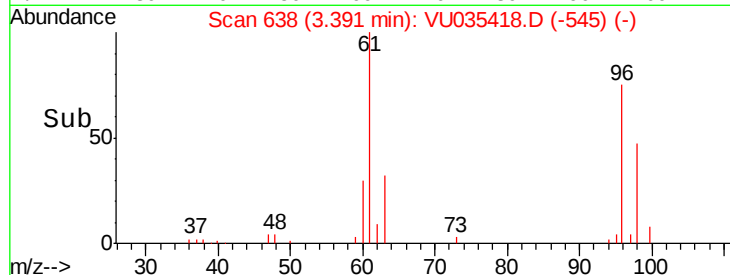
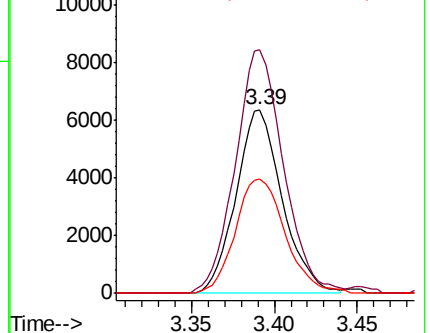
98 62.3 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035418.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035418.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035418.D (-545) (-)



#22

cis-1,2-Dichloroethene

Concen: 6.319 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035418.D

Acq: 23 Oct 2019 18:50

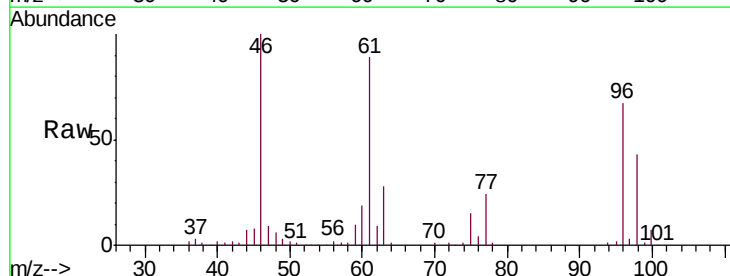
Tgt Ion: 96 Resp: 114749

Ion Ratio Lower Upper

96 100

61 131.7 89.7 166.5

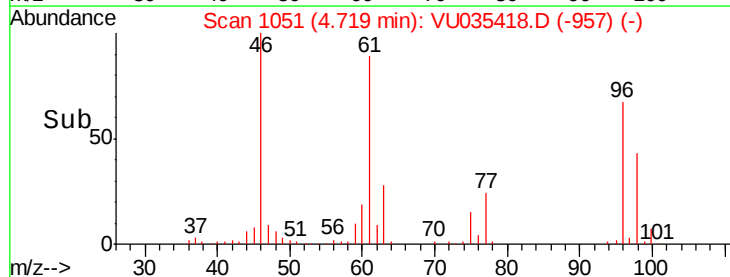
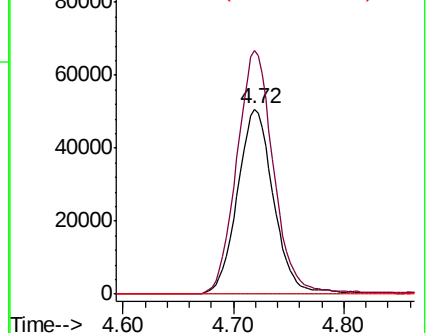
68 0.0 0.0 0.0

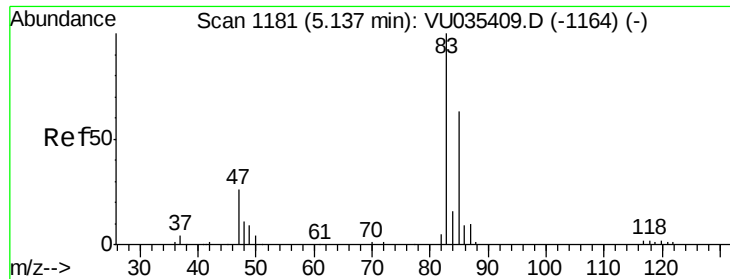


Abundance Ion 96.00 (95.70 to 96.70): VU035418.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035418.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035418.D (-957) (-)

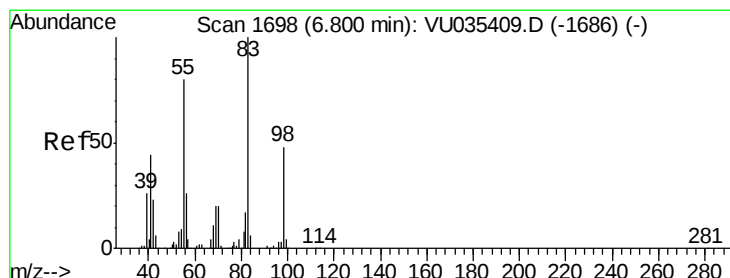
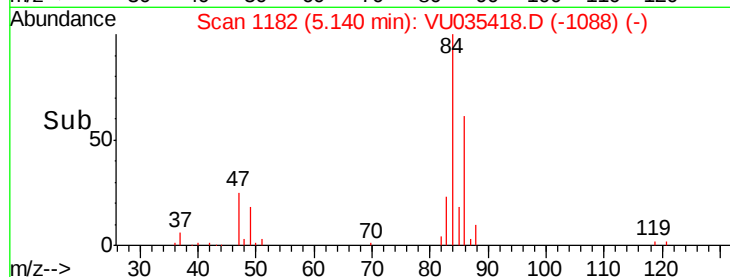
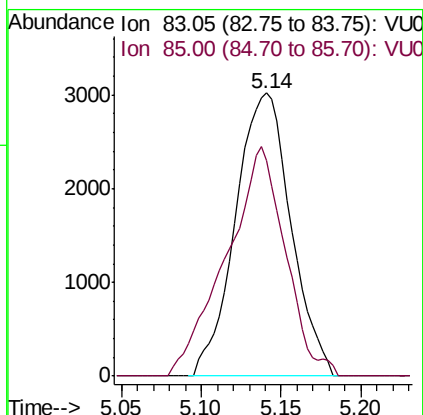
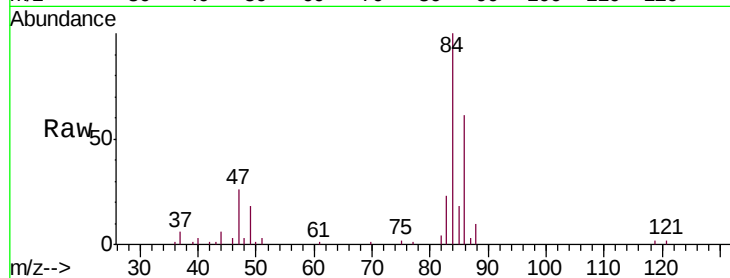




#25  
Chloroform  
Concen: 0.220 ug/L  
RT: 5.14 min Scan# 1182  
Delta R.T. 0.00 min  
Lab File: VU035418.D  
Acq: 23 Oct 2019 18:50

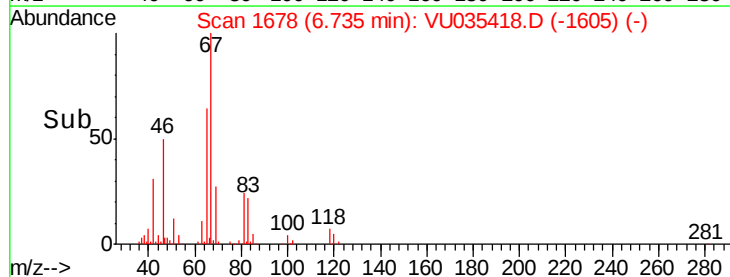
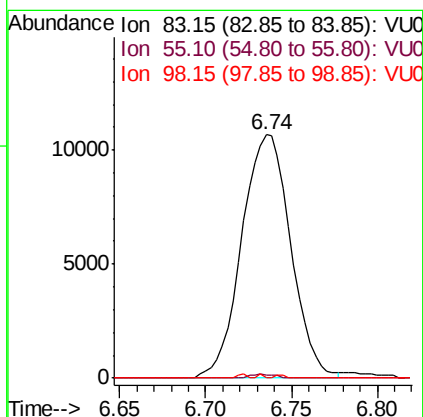
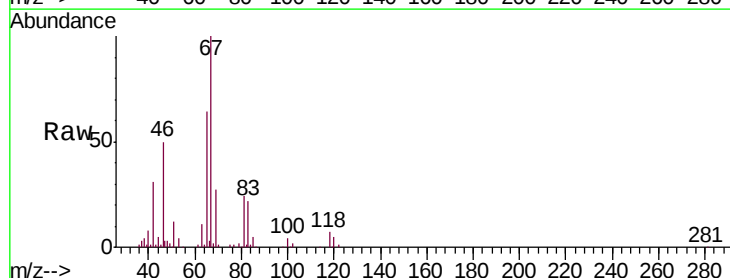
Instrument :  
MSVOA\_U  
ClientSampleId :  
H0G06DL

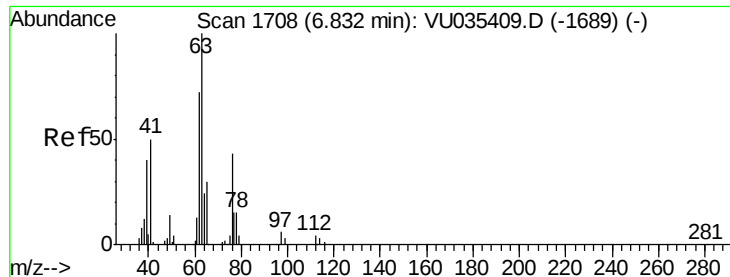
Tgt Ion: 83 Resp: 7184  
Ion Ratio Lower Upper  
83 100  
85 76.1 45.1 83.9



#35  
Methylcyclohexane  
Concen: 0.662 ug/L  
RT: 6.74 min Scan# 1678  
Delta R.T. -0.06 min  
Lab File: VU035418.D  
Acq: 23 Oct 2019 18:50

Tgt Ion: 83 Resp: 21090  
Ion Ratio Lower Upper  
83 100  
55 0.8 60.4 90.6#  
98 0.2 39.5 59.3#





#37

1,2-Dichloropropane

Concen: 0.591 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035418.D

Acq: 23 Oct 2019 18:50

Instrument :

MSVOA\_U

ClientSampleId :

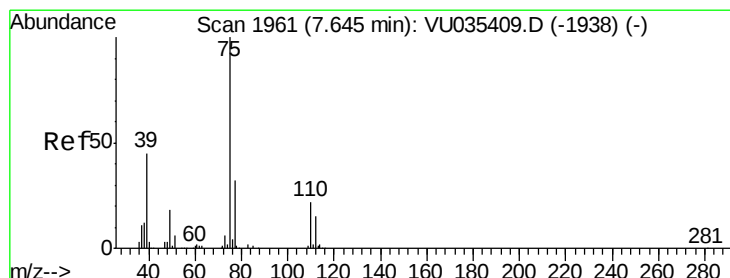
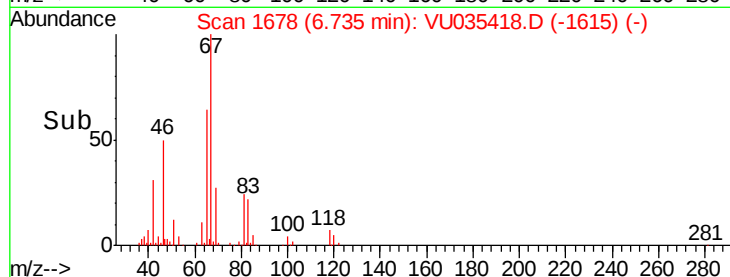
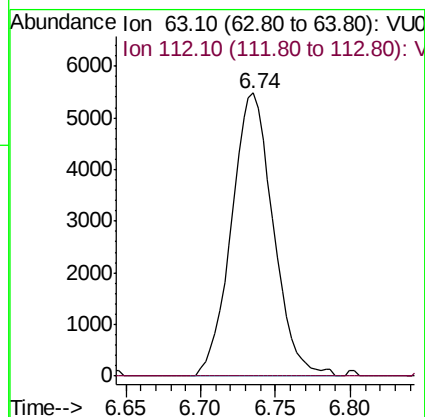
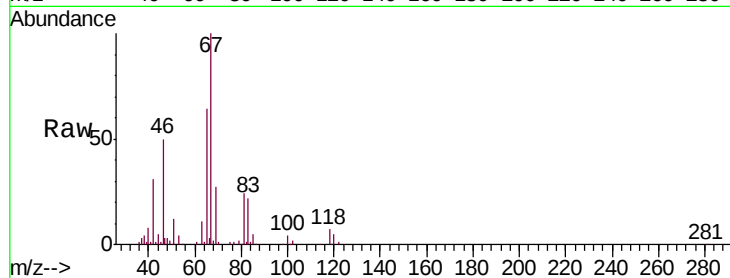
H0G06DL

Tgt Ion: 63 Resp: 10647

Ion Ratio Lower Upper

63 100

112 0.2 3.7 5.5#



#39

cis-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU035418.D

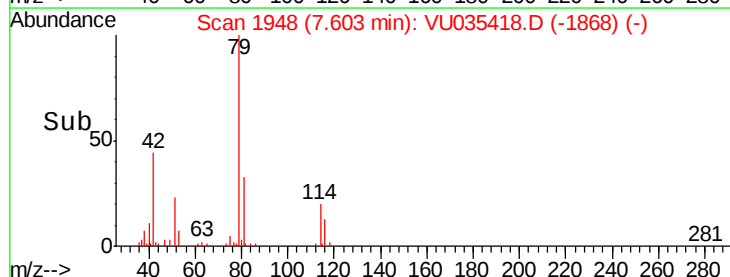
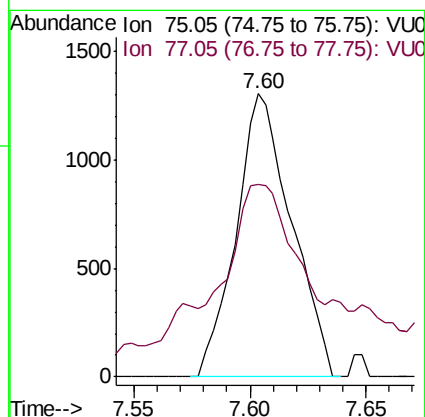
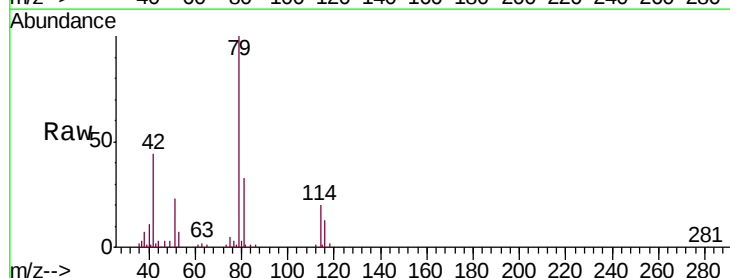
Acq: 23 Oct 2019 18:50

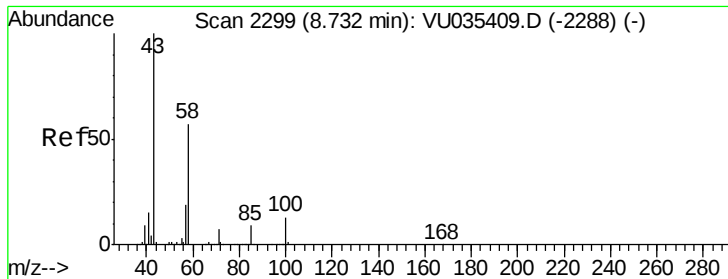
Tgt Ion: 75 Resp: 2160

Ion Ratio Lower Upper

75 100

77 67.8 22.7 42.1#

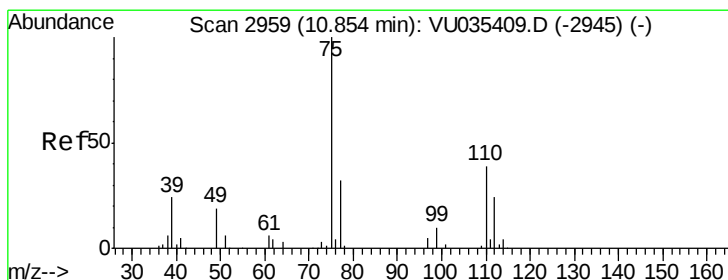
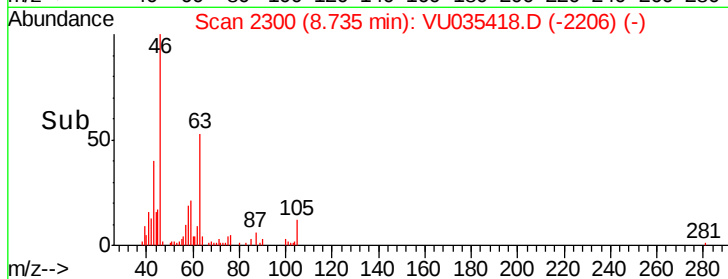
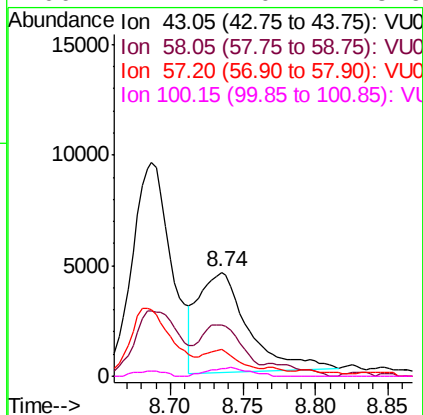
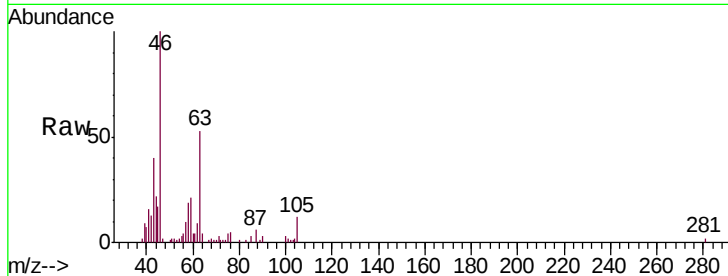




#48  
 2-Hexanone  
 Concen: 1.253 ug/L  
 RT: 8.74 min Scan# 2300  
 Delta R.T. 0.00 min  
 Lab File: VU035418.D  
 Acq: 23 Oct 2019 18:50

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0G06DL

Tgt Ion: 43 Resp: 10686  
 Ion Ratio Lower Upper  
 43 100  
 58 31.8 45.1 67.7#  
 57 12.7 16.0 24.0#  
 100 7.2 10.4 15.6#



#59  
 1,2,3-Trichloropropane  
 Concen: 0.903 ug/L  
 RT: 11.84 min Scan# 3266  
 Delta R.T. 0.99 min  
 Lab File: VU035418.D  
 Acq: 23 Oct 2019 18:50

Tgt Ion: 75 Resp: 11328  
 Ion Ratio Lower Upper  
 75 100  
 77 35.1 26.2 39.2

