

Data File : VV010612.D  
Acq On : 01 May 2019 18:36  
Operator : SY/MD  
Sample : K2590-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0XA1

Quant Time: May 02 08:24:09 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050119WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu May 02 08:18:34 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 75623    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 76437    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 30438    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 23637    | 5.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 106.40% |
| 7) Chloroethane-d5             | 1.57   | 69    | 17293    | 6.04     | ug/L | -0.02   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 120.80% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 33400    | 3.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 75.40%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 56344    | 53.98    | ug/L | -0.03   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 107.96% |
| 24) Chloroform-d               | 4.40   | 84    | 46286    | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 25041    | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.60% |
| 32) Benzene-d6                 | 5.10   | 84    | 98844    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.80% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 29712    | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.40% |
| 41) Toluene-d8                 | 7.36   | 98    | 91496    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.00%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 9466     | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 90.80%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 48168    | 57.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 115.76% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 21666    | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 99.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 33629    | 5.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 117.60% |

#### Target Compounds

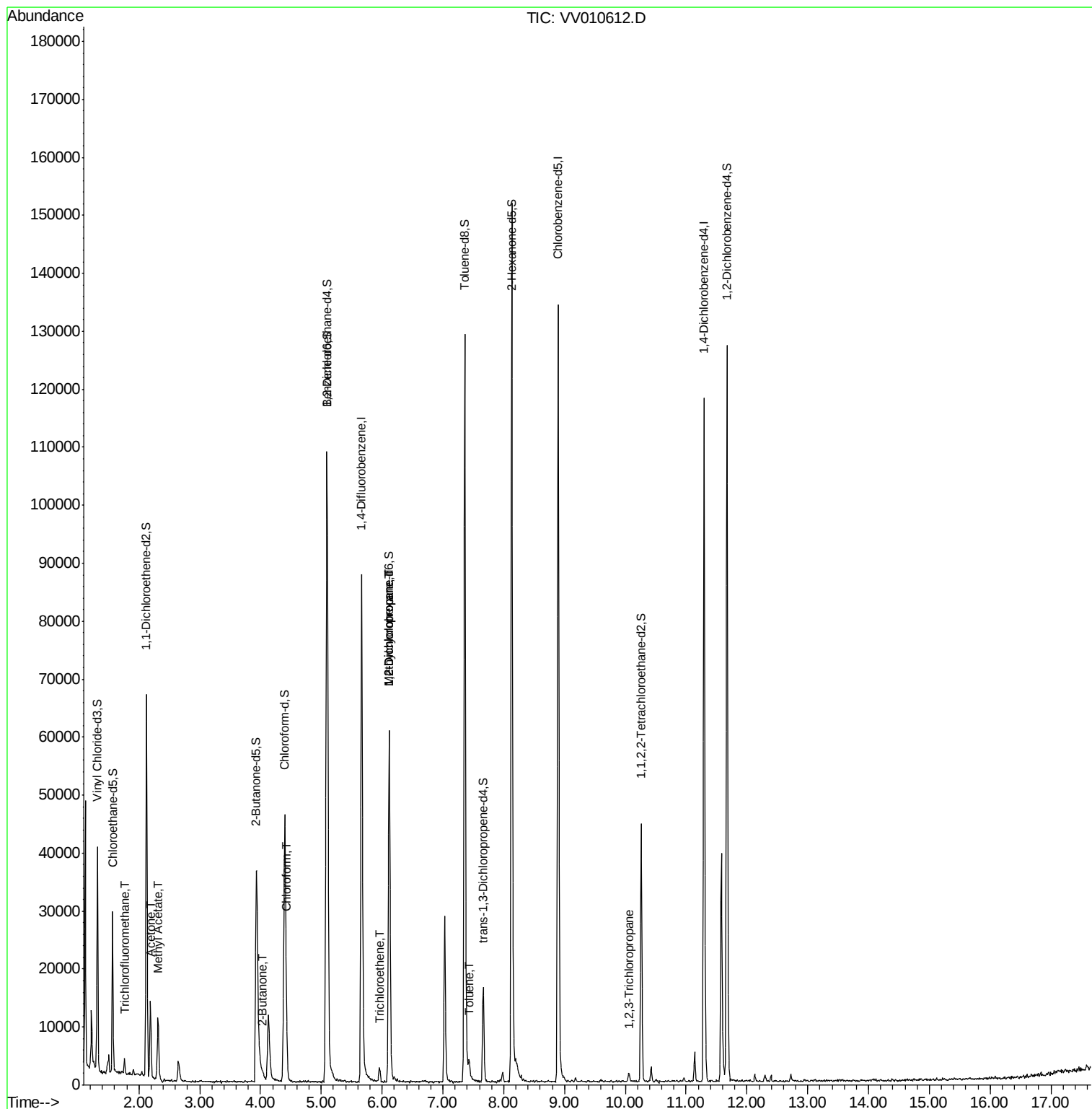
|                            |       |     |       |              | Qvalue |
|----------------------------|-------|-----|-------|--------------|--------|
| 9) Trichlorofluoromethane  | 1.77  | 101 | 1118  | 0.118 ug/L   | 96     |
| 13) Acetone                | 2.19  | 43  | 12009 | 19.377 ug/L  | 99     |
| 15) Methyl Acetate         | 2.32  | 43  | 2987  | 1.558 ug/L # | 54     |
| 21) 2-Butanone             | 4.04  | 43  | 1735  | 1.647 ug/L   | 95     |
| 25) Chloroform             | 4.43  | 83  | 3086  | 0.305 ug/L   | 87     |
| 34) Trichloroethene        | 5.96  | 95  | 822   | 0.139 ug/L   | 87     |
| 35) Methylcyclohexane      | 6.12  | 83  | 6785  | 0.790 ug/L # | 18     |
| 37) 1,2-Dichloropropane    | 6.12  | 63  | 3500  | 0.680 ug/L # | 87     |
| 42) Toluene                | 7.43  | 91  | 1861  | 0.079 ug/L   | 99     |
| 59) 1,2,3-Trichloropropane | 10.05 | 75  | 1150  | 0.393 ug/L # | 44     |

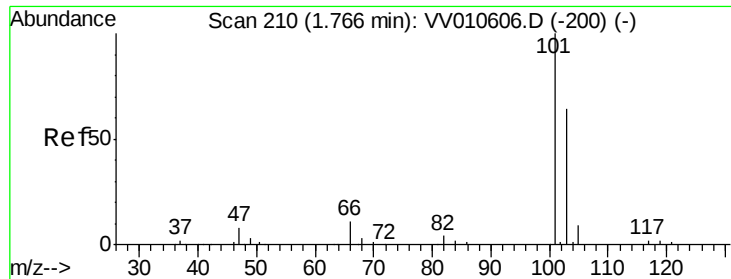
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.118 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV010612.D

Acq: 01 May 2019 18:36

Instrument :

MSVOA\_V

ClientSampleId :

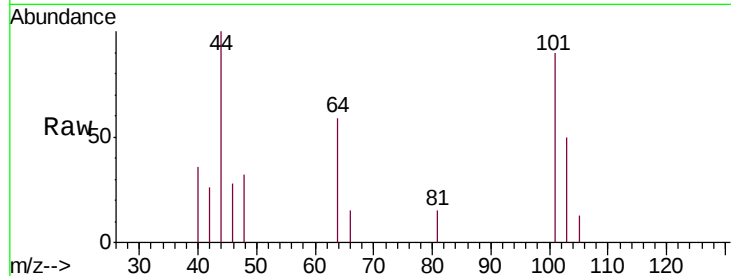
C0XA1

Tgt Ion: 101 Resp: 1118

Ion Ratio Lower Upper

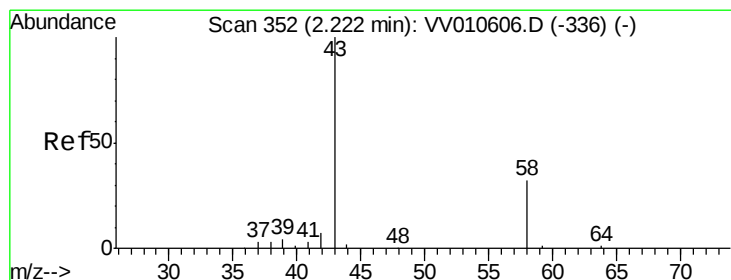
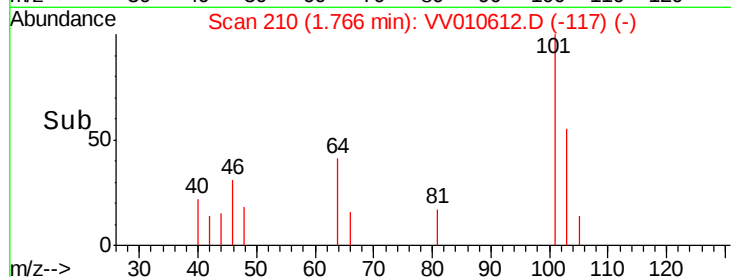
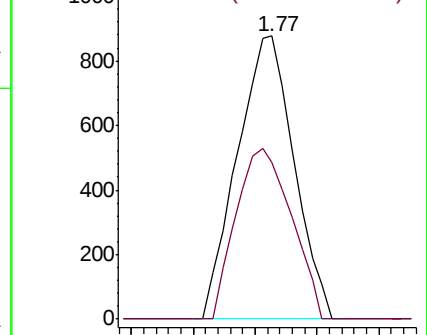
101 100

103 59.0 49.5 74.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Acetone

Concen: 19.377 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.03 min

Lab File: VV010612.D

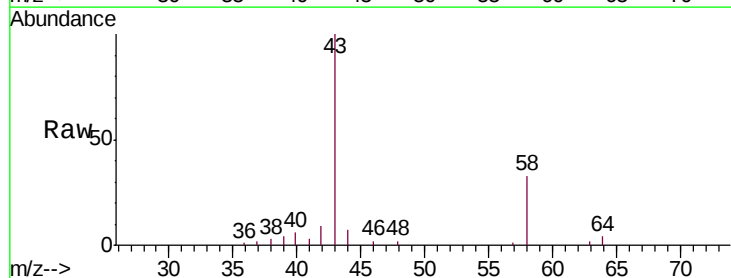
Acq: 01 May 2019 18:36

Tgt Ion: 43 Resp: 12009

Ion Ratio Lower Upper

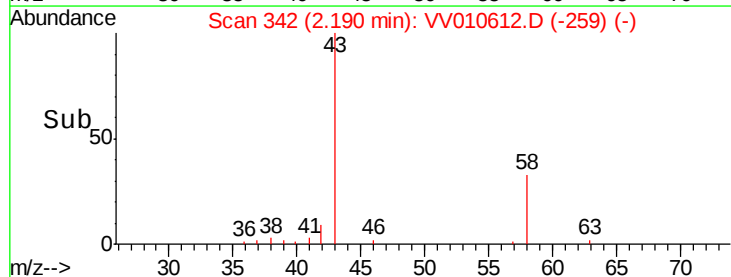
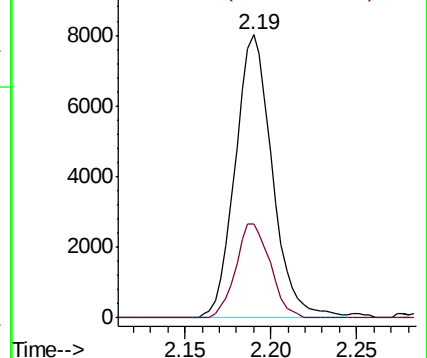
43 100

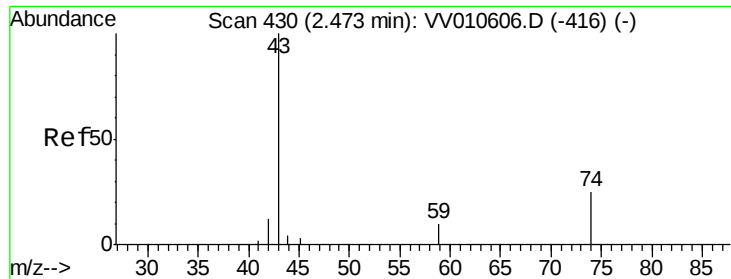
58 30.8 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

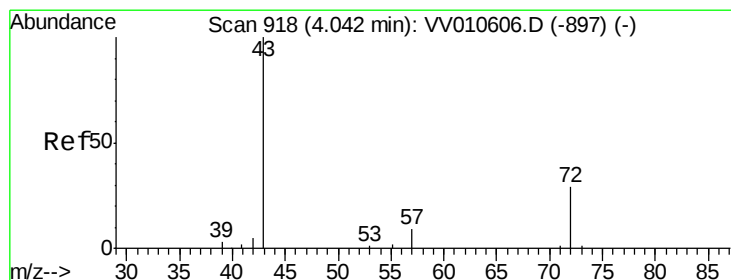
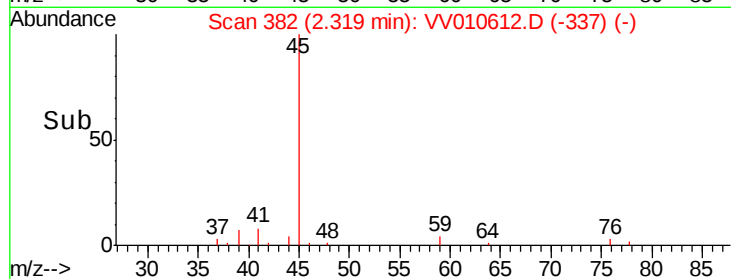
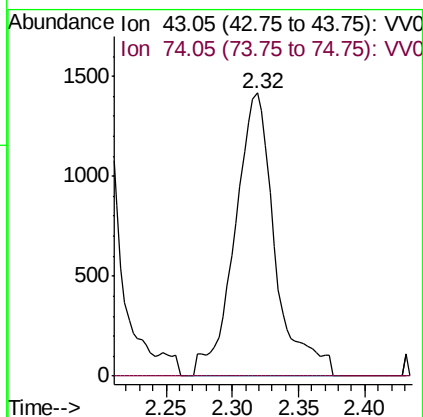
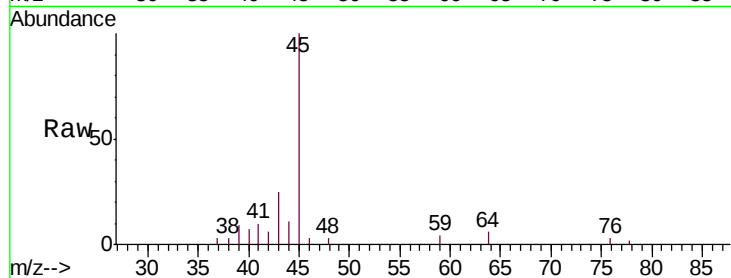




#15  
Methyl Acetate  
Concen: 1.558 ug/L  
RT: 2.32 min Scan# 382  
Delta R.T. -0.15 min  
Lab File: VV010612.D  
Acq: 01 May 2019 18:36

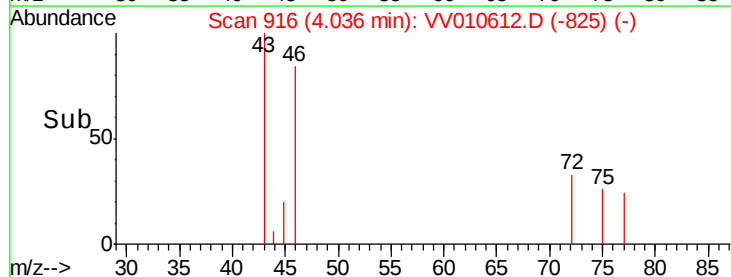
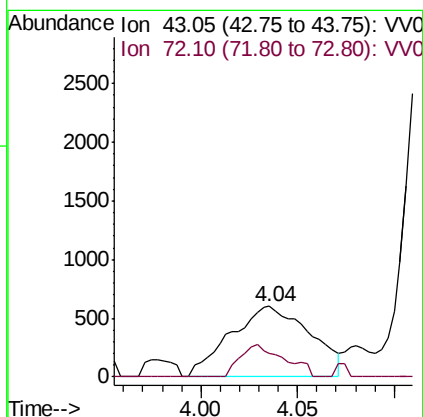
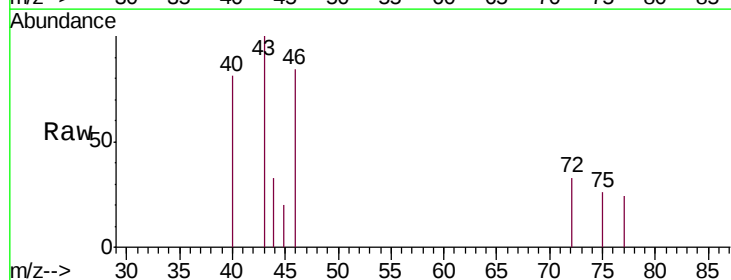
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0XA1

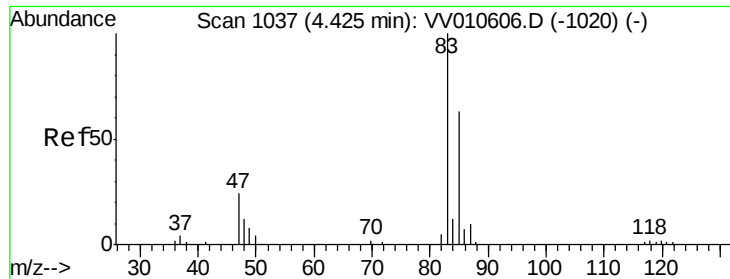
Tgt Ion: 43 Resp: 2987  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.5 26.3#



#21  
2-Butanone  
Concen: 1.647 ug/L  
RT: 4.04 min Scan# 916  
Delta R.T. -0.01 min  
Lab File: VV010612.D  
Acq: 01 May 2019 18:36

Tgt Ion: 43 Resp: 1735  
Ion Ratio Lower Upper  
43 100  
72 24.8 13.8 41.3

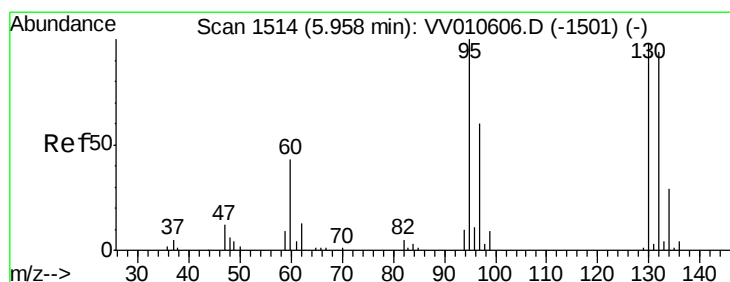
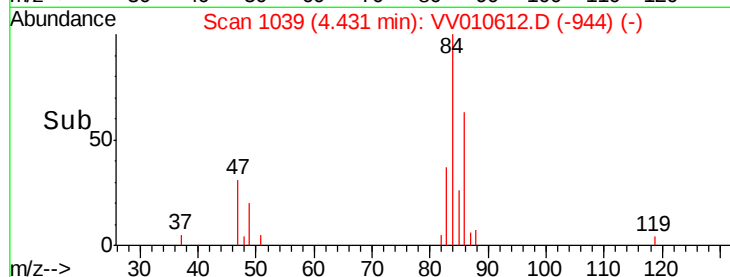
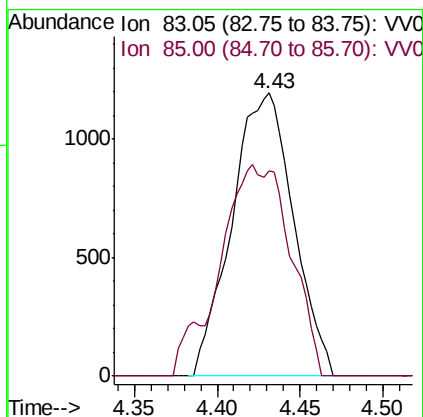
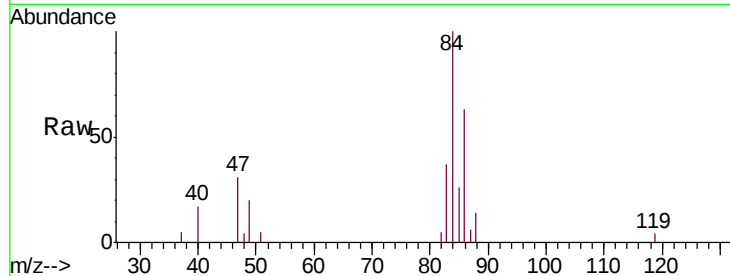




#25  
Chloroform  
Concen: 0.305 ug/L  
RT: 4.43 min Scan# 1039  
Delta R.T. 0.01 min  
Lab File: VV010612.D  
Acq: 01 May 2019 18:36

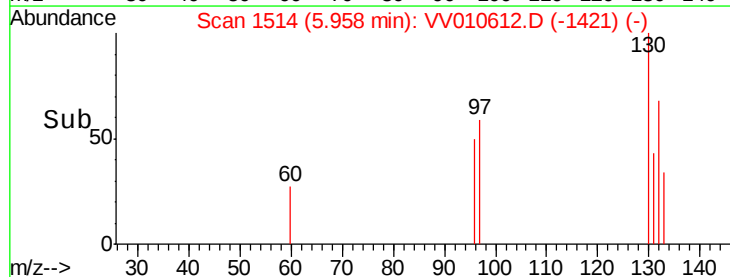
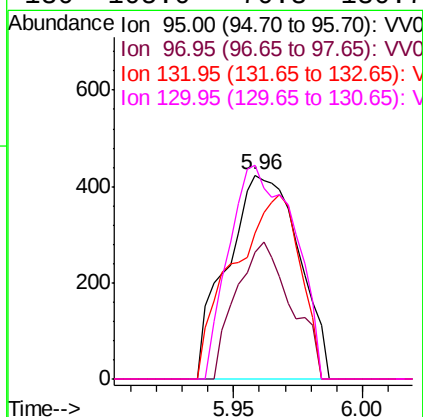
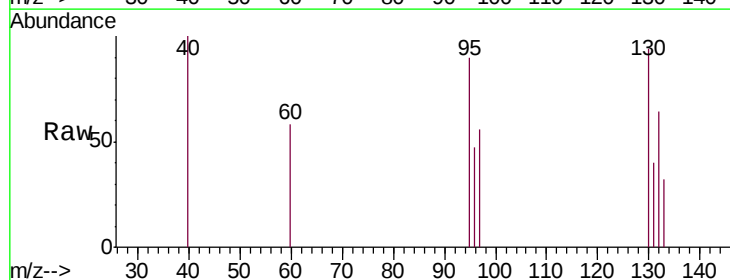
Instrument :  
MSVOA\_V  
ClientSampled :  
C0XA1

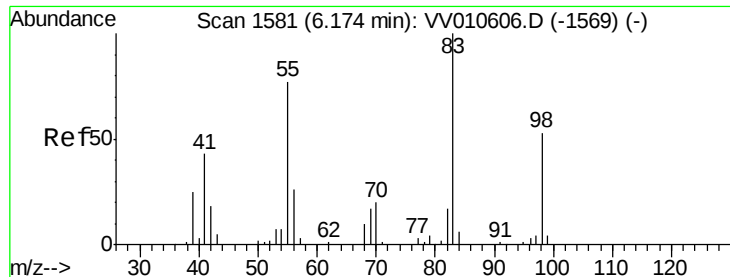
Tgt Ion: 83 Resp: 3086  
Ion Ratio Lower Upper  
83 100  
85 72.4 43.7 81.1



#34  
Trichloroethene  
Concen: 0.139 ug/L  
RT: 5.96 min Scan# 1514  
Delta R.T. 0.00 min  
Lab File: VV010612.D  
Acq: 01 May 2019 18:36

Tgt Ion: 95 Resp: 822  
Ion Ratio Lower Upper  
95 100  
97 62.2 42.4 78.6  
132 71.6 69.3 128.7  
130 105.0 70.3 130.7

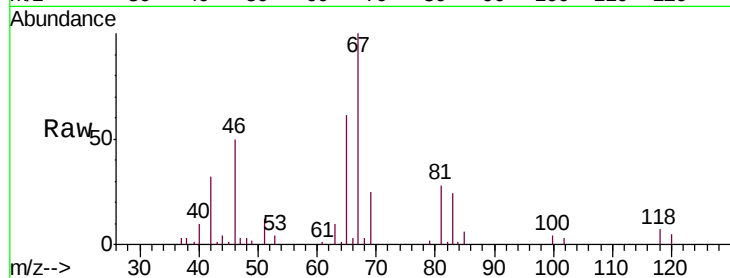




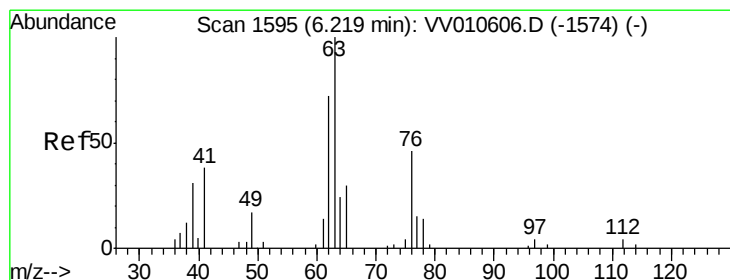
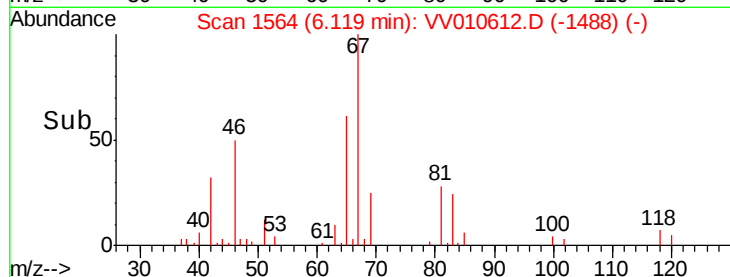
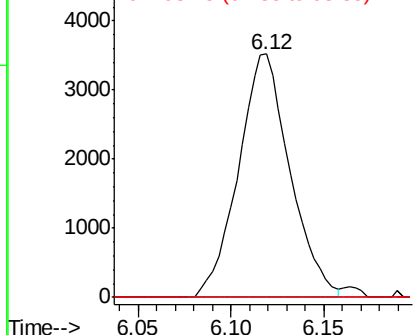
#35  
Methylcyclohexane  
Concen: 0.790 ug/L  
RT: 6.12 min Scan# 1564  
Delta R.T. -0.05 min  
Lab File: VV010612.D  
Acq: 01 May 2019 18:36

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0XA1

Tgt Ion: 83 Resp: 6785  
Ion Ratio Lower Upper  
83 100  
55 0.0 63.4 95.0#  
98 1.2 38.7 58.1#

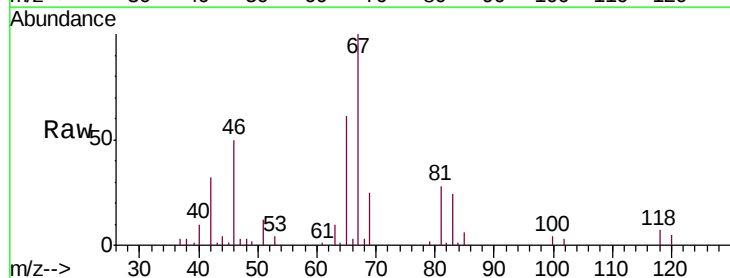


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

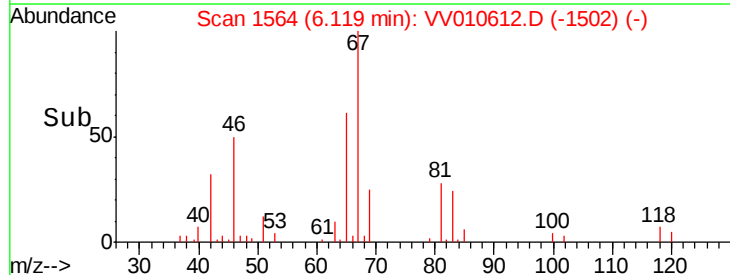
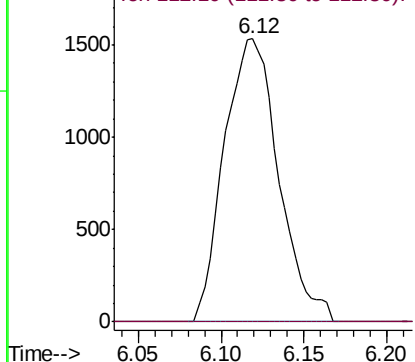


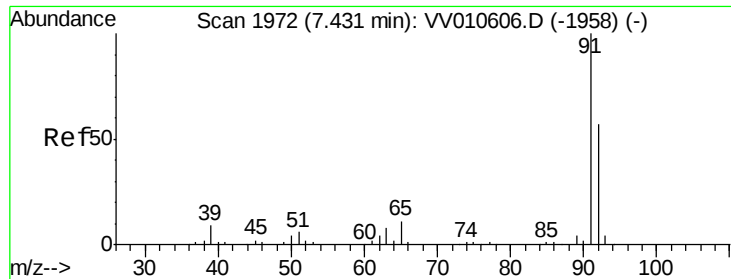
#37  
1,2-Dichloropropane  
Concen: 0.680 ug/L  
RT: 6.12 min Scan# 1564  
Delta R.T. -0.10 min  
Lab File: VV010612.D  
Acq: 01 May 2019 18:36

Tgt Ion: 63 Resp: 3500  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VV0  
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.079 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010612.D

Acq: 01 May 2019 18:36

Instrument :

MSVOA\_V

ClientSampled :

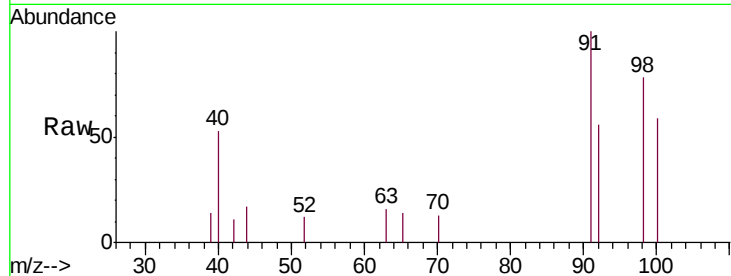
C0XA1

Tgt Ion: 91 Resp: 1861

Ion Ratio Lower Upper

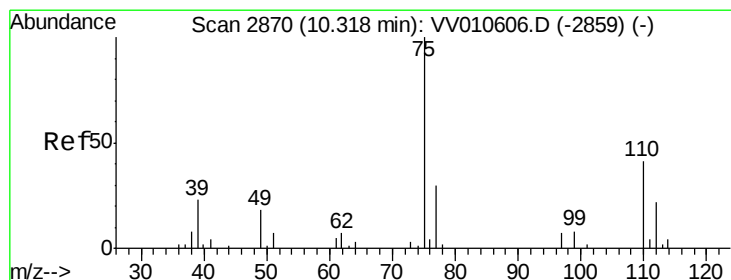
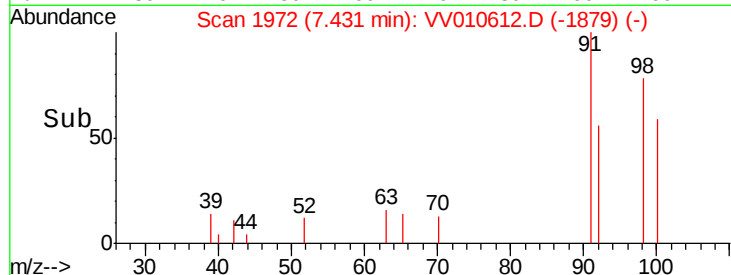
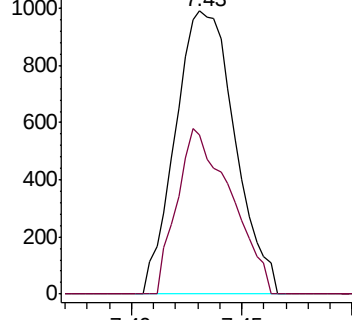
91 100

92 56.4 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#59

1,2,3-Trichloropropane

Concen: 0.393 ug/L

RT: 10.05 min Scan# 2788

Delta R.T. -0.26 min

Lab File: VV010612.D

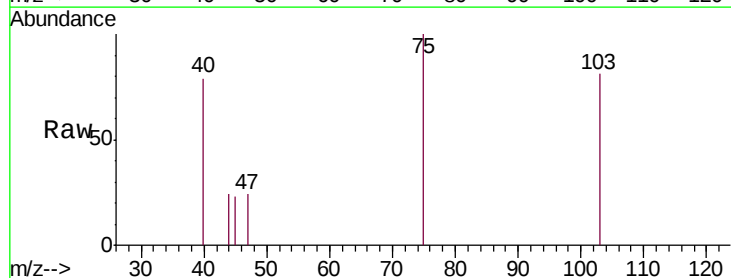
Acq: 01 May 2019 18:36

Tgt Ion: 75 Resp: 1150

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

