

Data File : VV007040.D  
Acq On : 16 Aug 2018 13:47  
Operator : SY/MD  
Sample : J4487-13DL 10X  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C02Z9DL

Quant Time: Aug 17 01:15:20 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR080918WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Aug 17 01:13:44 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 220112   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 211104   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 81678    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 65712    | 4.62     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 92.40% |
| 7) Chloroethane-d5             | 1.58   | 69    | 55665    | 4.62     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.40% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 130576   | 4.90     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 98.00% |
| 20) 2-Butanone-d5              | 3.98   | 46    | 165888   | 40.60    | ug/L | 0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 81.20% |
| 24) Chloroform-d               | 4.41   | 84    | 128122   | 4.45     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.00% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 65601    | 4.51     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.20% |
| 32) Benzene-d6                 | 5.10   | 84    | 249080   | 4.59     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.80% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 83274    | 4.49     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 89.80% |
| 41) Toluene-d8                 | 7.37   | 98    | 185324   | 4.02     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 80.40% |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 25690    | 3.98     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 79.60% |
| 46) 2-Hexanone-d5              | 8.15   | 63    | 71002    | 26.92    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 53.84% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 57264    | 3.96     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 79.20% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 62615    | 4.41     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 88.20% |

#### Target Compounds

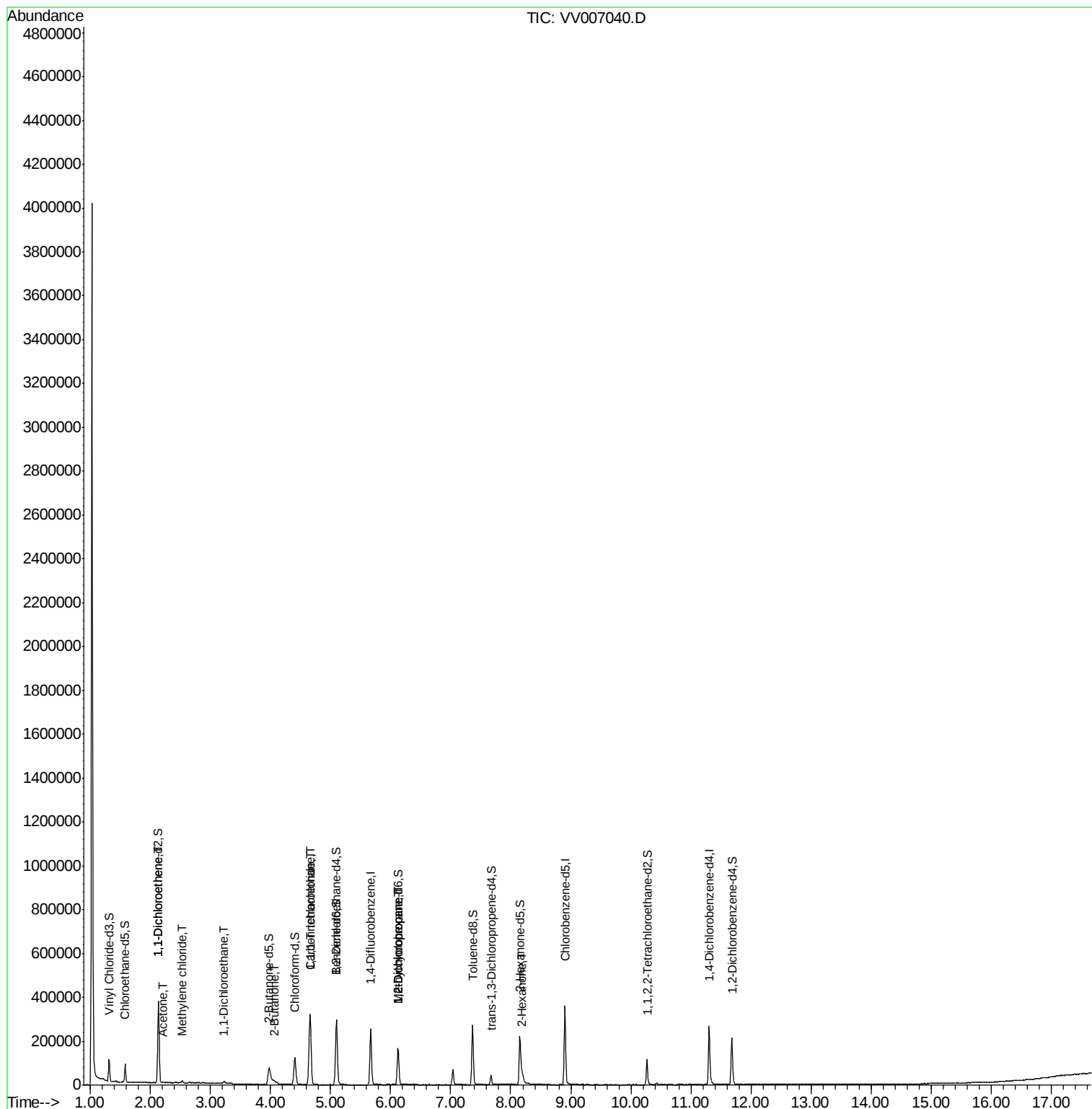
|                           |      |     |        |       | Qvalue    |
|---------------------------|------|-----|--------|-------|-----------|
| 12) 1,1-Dichloroethene    | 2.14 | 96  | 83208  | 5.264 | ug/L 92   |
| 13) Acetone               | 2.21 | 43  | 1597   | 0.759 | ug/L 49   |
| 16) Methylene chloride    | 2.54 | 84  | 4298   | 0.226 | ug/L 83   |
| 19) 1,1-Dichloroethane    | 3.23 | 63  | 10304  | 0.337 | ug/L 96   |
| 21) 2-Butanone            | 4.07 | 43  | 928    | 0.203 | ug/L # 55 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97  | 255959 | 9.093 | ug/L 99   |
| 31) Carbon tetrachloride  | 4.66 | 117 | 34221  | 1.450 | ug/L 98   |
| 35) Methylcyclohexane     | 6.12 | 83  | 19027  | 0.676 | ug/L # 15 |
| 37) 1,2-Dichloropropane   | 6.13 | 63  | 8558   | 0.427 | ug/L # 87 |
| 48) 2-Hexanone            | 8.20 | 43  | 15655  | 2.053 | ug/L # 85 |

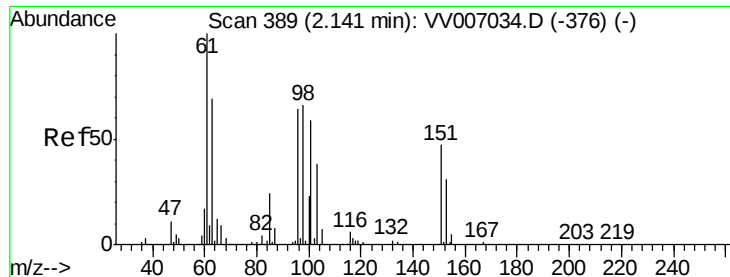
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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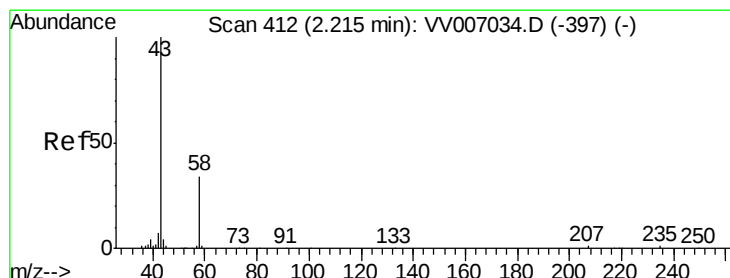
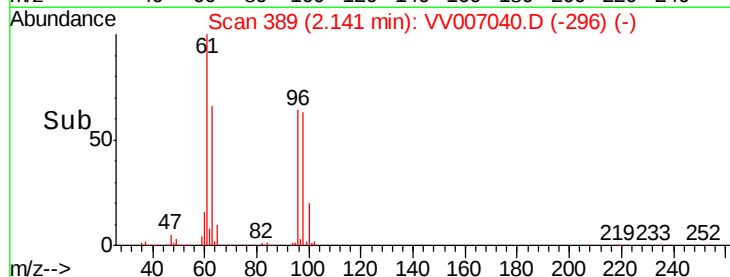
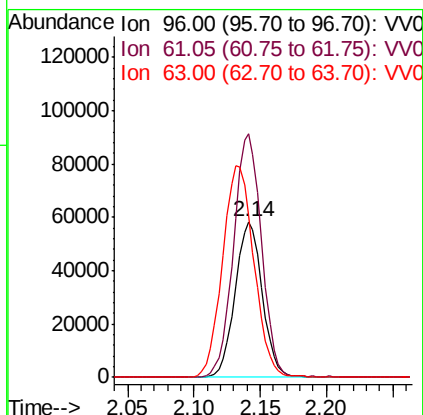
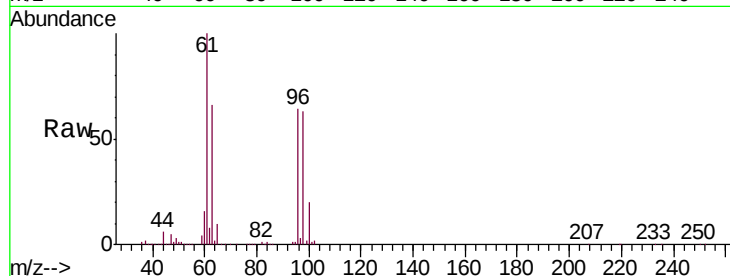




#12  
 1,1-Dichloroethene  
 Concen: 5.264 ug/L  
 RT: 2.14 min Scan# 389  
 Delta R.T. 0.00 min  
 Lab File: VV007040.D  
 Acq: 16 Aug 2018 13:47

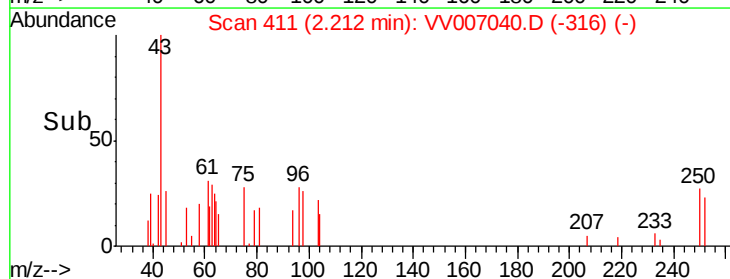
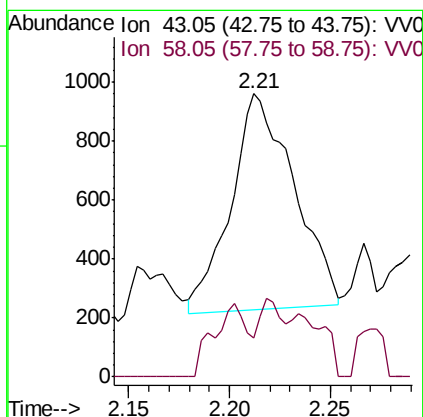
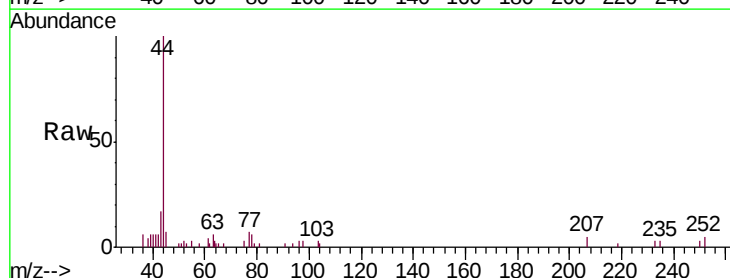
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C02Z9DL

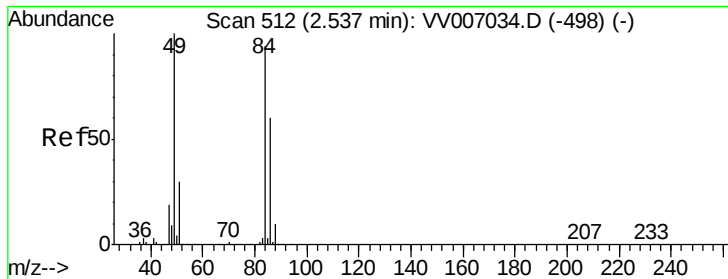
Tgt Ion: 96 Resp: 83208  
 Ion Ratio Lower Upper  
 96 100  
 61 156.8 111.6 207.4  
 63 103.9 84.9 157.7



#13  
 Acetone  
 Concen: 0.759 ug/L  
 RT: 2.21 min Scan# 411  
 Delta R.T. 0.01 min  
 Lab File: VV007040.D  
 Acq: 16 Aug 2018 13:47

Tgt Ion: 43 Resp: 1597  
 Ion Ratio Lower Upper  
 43 100  
 58 5.8 0.0 71.4

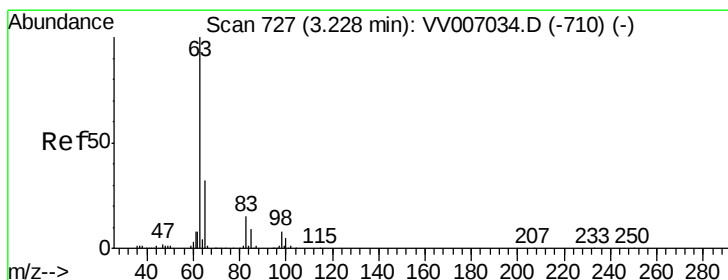
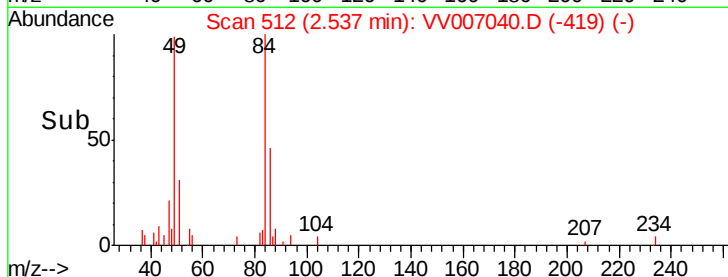
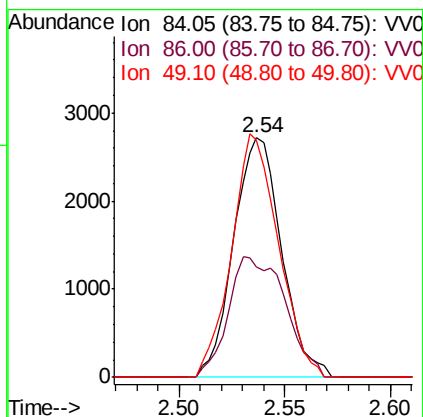
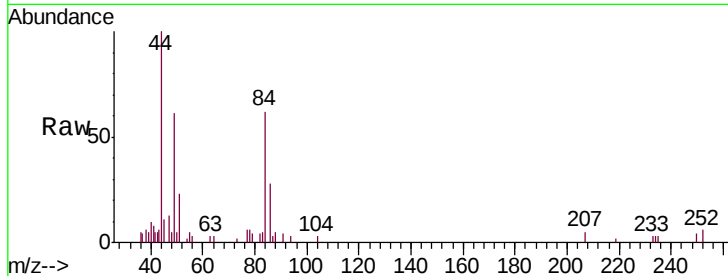




#16  
Methylene chloride  
Concen: 0.226 ug/L  
RT: 2.54 min Scan# 512  
Delta R.T. 0.00 min  
Lab File: VV007040.D  
Acq: 16 Aug 2018 13:47

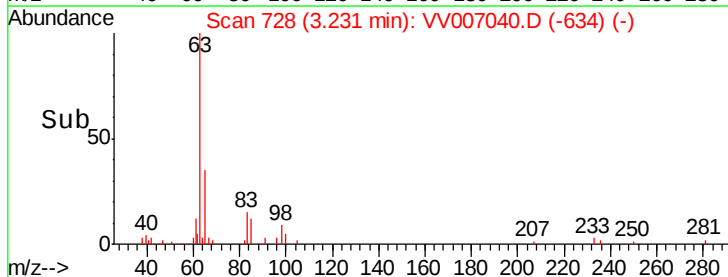
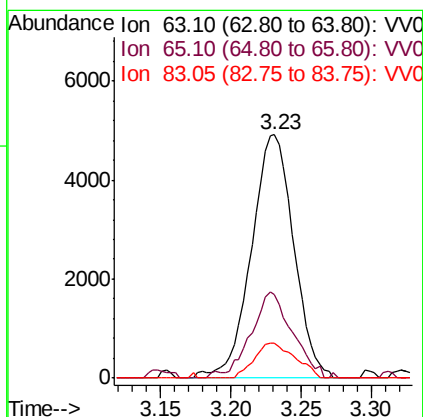
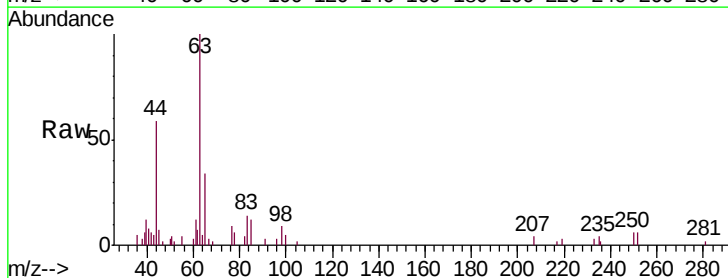
Instrument :  
MSVOA\_V  
ClientSampled :  
C02Z9DL

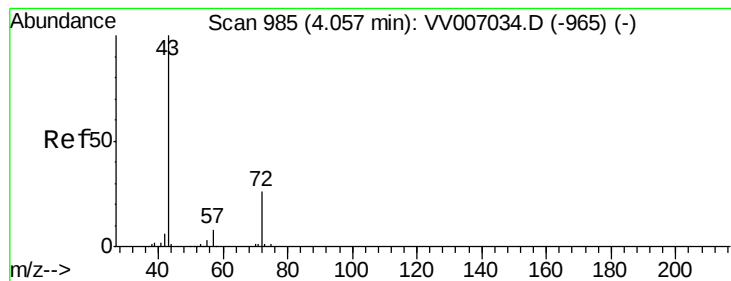
Tgt Ion: 84 Resp: 4298  
Ion Ratio Lower Upper  
84 100  
86 46.0 45.7 84.9  
49 99.0 78.8 146.4



#19  
1,1-Dichloroethane  
Concen: 0.337 ug/L  
RT: 3.23 min Scan# 728  
Delta R.T. 0.00 min  
Lab File: VV007040.D  
Acq: 16 Aug 2018 13:47

Tgt Ion: 63 Resp: 10304  
Ion Ratio Lower Upper  
63 100  
65 34.4 21.7 40.3  
83 14.2 10.0 18.6





#21

2-Butanone

Concen: 0.203 ug/L

RT: 4.07 min Scan# 989

Delta R.T. 0.02 min

Lab File: VV007040.D

Acq: 16 Aug 2018 13:47

Instrument :

MSVOA\_V

ClientSampleId :

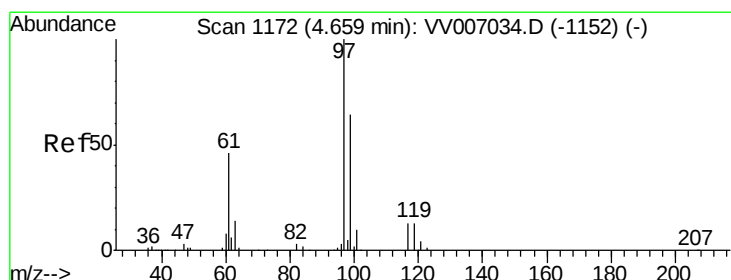
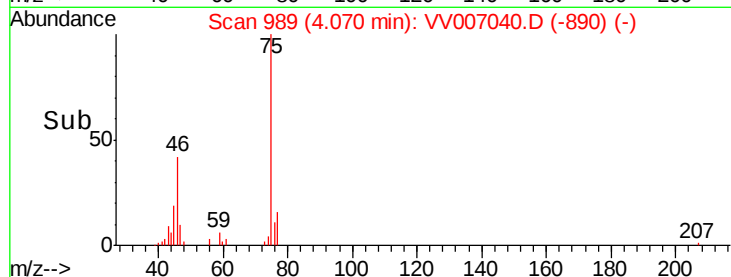
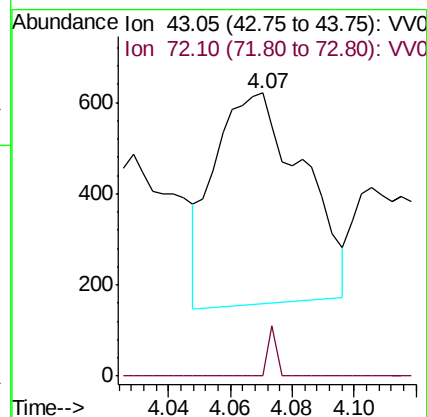
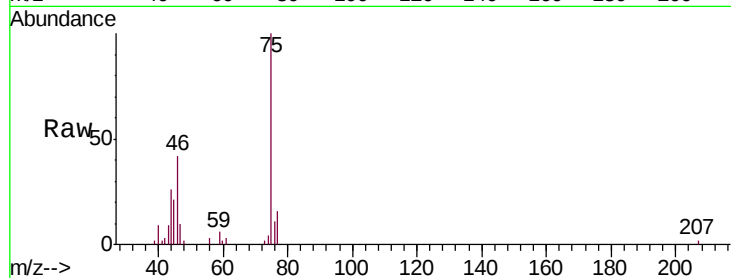
C02Z9DL

Tgt Ion: 43 Resp: 928

Ion Ratio Lower Upper

43 100

72 2.3 12.4 37.2#



#29

1,1,1-Trichloroethane

Concen: 9.093 ug/L

RT: 4.66 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VV007040.D

Acq: 16 Aug 2018 13:47

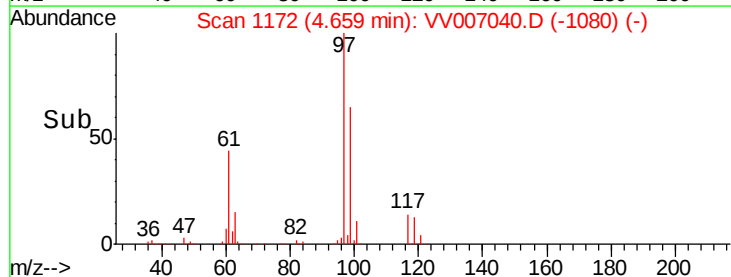
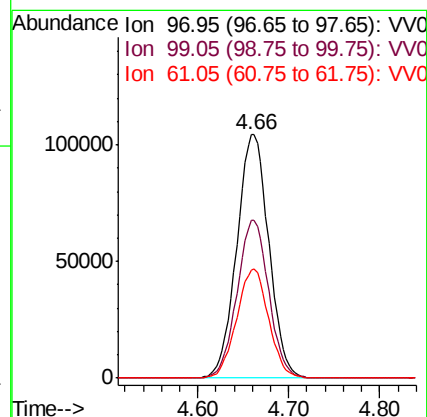
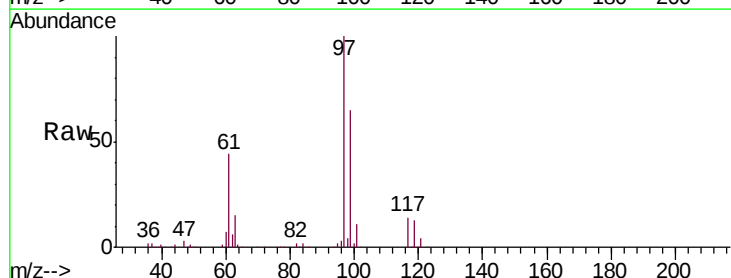
Tgt Ion: 97 Resp: 255959

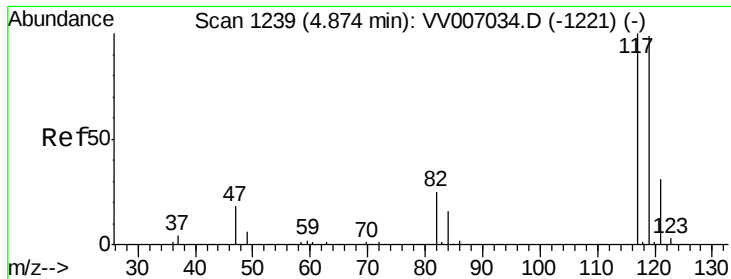
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 44.6 36.6 54.8





#31

Carbon tetrachloride

Concen: 1.450 ug/L

RT: 4.66 min Scan# 1172

Delta R.T. -0.22 min

Lab File: VV007040.D

Acq: 16 Aug 2018 13:47

Instrument :

MSVOA\_V

ClientSampleId :

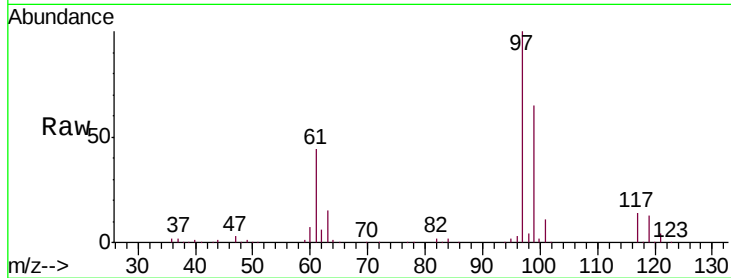
C02Z9DL

Tgt Ion:117 Resp: 34221

Ion Ratio Lower Upper

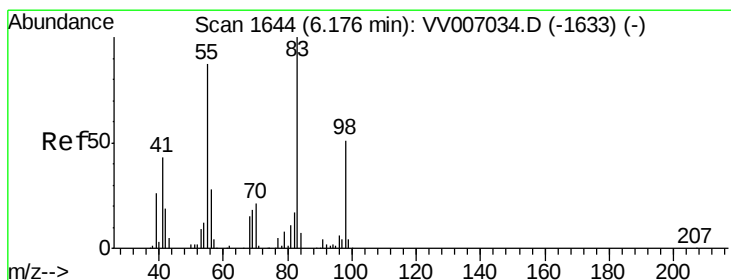
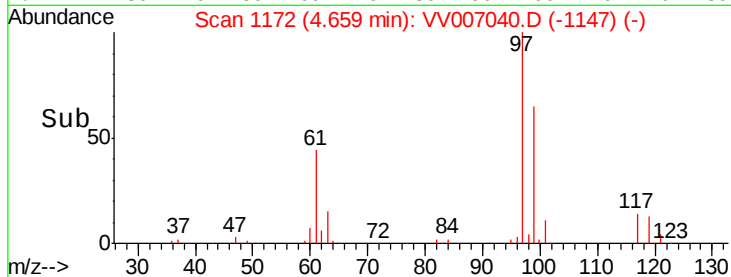
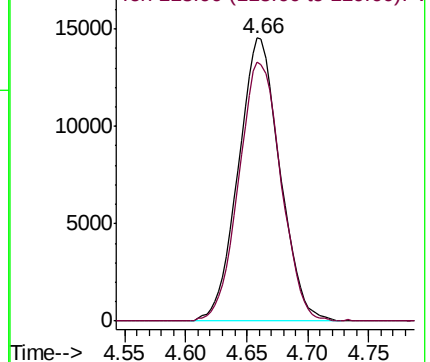
117 100

119 92.9 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#35

Methylcyclohexane

Concen: 0.676 ug/L

RT: 6.12 min Scan# 1627

Delta R.T. -0.05 min

Lab File: VV007040.D

Acq: 16 Aug 2018 13:47

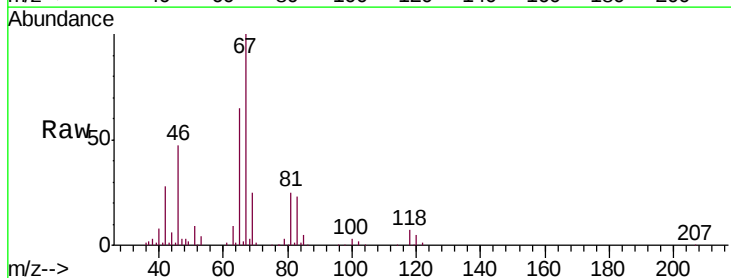
Tgt Ion: 83 Resp: 19027

Ion Ratio Lower Upper

83 100

55 0.5 68.1 102.1#

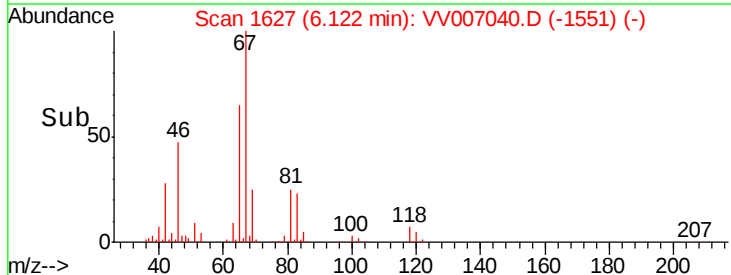
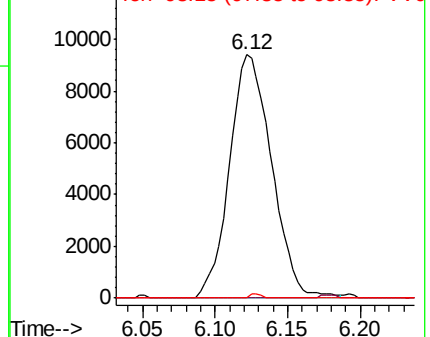
98 0.4 37.9 56.9#

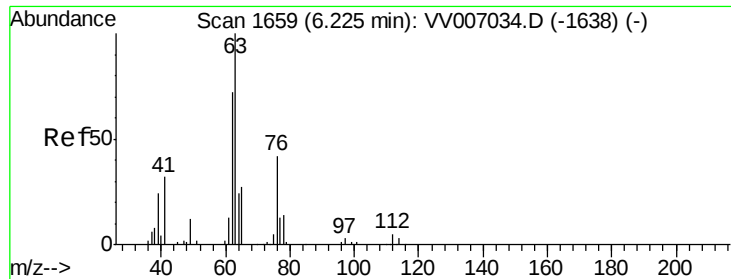


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.427 ug/L

RT: 6.13 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VV007040.D

Acq: 16 Aug 2018 13:47

Instrument :

MSVOA\_V

ClientSampleId :

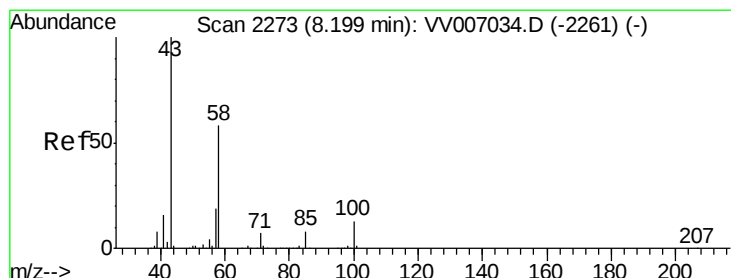
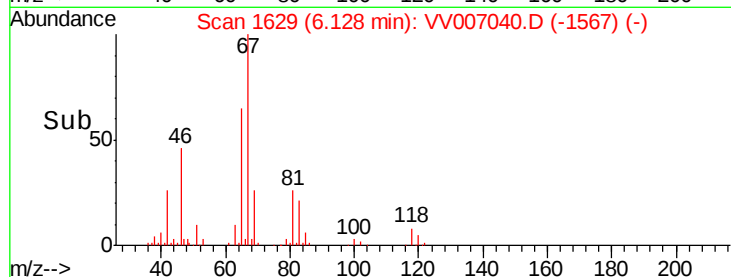
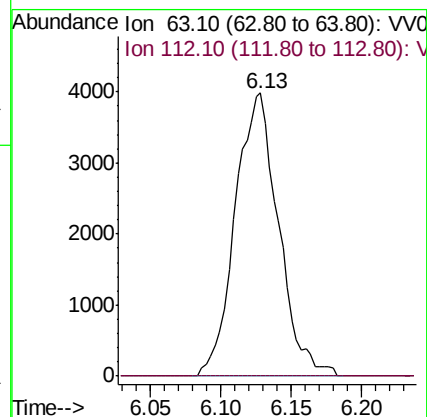
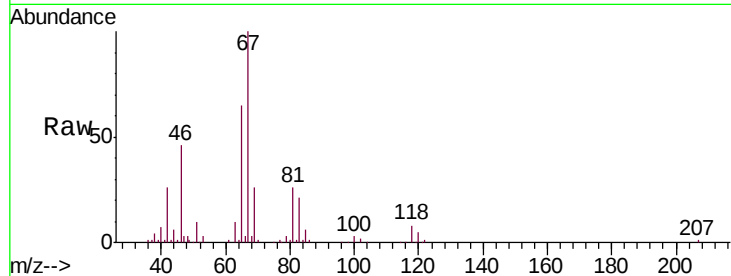
C02Z9DL

Tgt Ion: 63 Resp: 8558

Ion Ratio Lower Upper

63 100

112 0.3 3.5 5.3#



#48

2-Hexanone

Concen: 2.053 ug/L

RT: 8.20 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV007040.D

Acq: 16 Aug 2018 13:47

Tgt Ion: 43 Resp: 15655

Ion Ratio Lower Upper

43 100

58 39.7 44.2 66.2#

57 19.1 14.8 22.2

100 8.4 8.8 13.2#

