

Data File : VV010533.D  
Acq On : 27 Apr 2019 06:53  
Operator : SY/MD  
Sample : K2586-11  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0X43

Quant Time: Apr 29 02:01:54 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042719WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Apr 29 01:58:06 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 203115   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 205238   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 88308    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 48109    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 97.40%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 33696    | 6.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 127.40% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 71096    | 3.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 76.60%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 125963   | 49.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.86%  |
| 24) Chloroform-d               | 4.40   | 84    | 133707   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.00% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 66066    | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.20% |
| 32) Benzene-d6                 | 5.10   | 84    | 262360   | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.60% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 75441    | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 104.40% |
| 41) Toluene-d8                 | 7.36   | 98    | 239352   | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.80%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 23975    | 4.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 86.80%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 107962   | 46.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 92.68%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 53843    | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 100979   | 5.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 118.60% |

#### Target Compounds

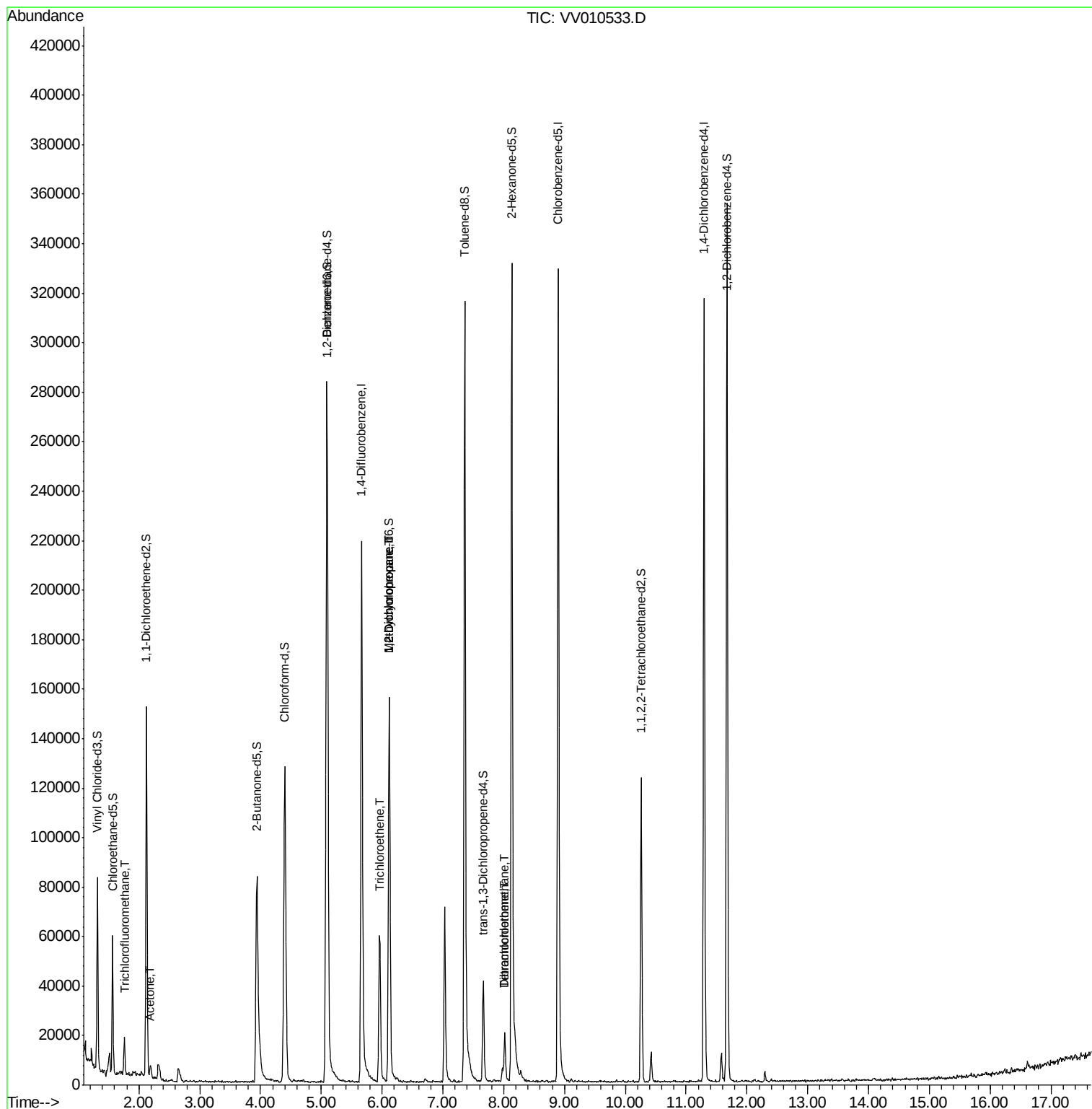
|                           |      |     |       |              | Qvalue |
|---------------------------|------|-----|-------|--------------|--------|
| 9) Trichlorofluoromethane | 1.76 | 101 | 6971  | 0.315 ug/L   | 93     |
| 13) Acetone               | 2.20 | 43  | 3859  | 3.040 ug/L   | 92     |
| 34) Trichloroethene       | 5.96 | 95  | 20017 | 1.295 ug/L   | 97     |
| 35) Methylcyclohexane     | 6.12 | 83  | 18818 | 0.938 ug/L # | 20     |
| 37) 1,2-Dichloropropane   | 6.12 | 63  | 8449  | 0.690 ug/L # | 88     |
| 47) Tetrachloroethene     | 8.02 | 164 | 4374  | 0.303 ug/L   | 96     |
| 49) Dibromochloromethane  | 8.02 | 129 | 3566  | 0.279 ug/L # | 12     |

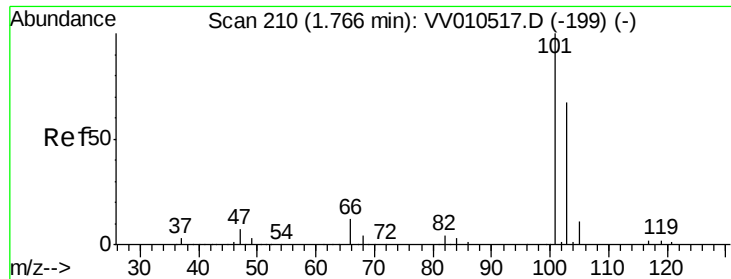
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 0.315 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV010533.D

Acq: 27 Apr 2019 06:53

Instrument :

MSVOA\_V

ClientSampleId :

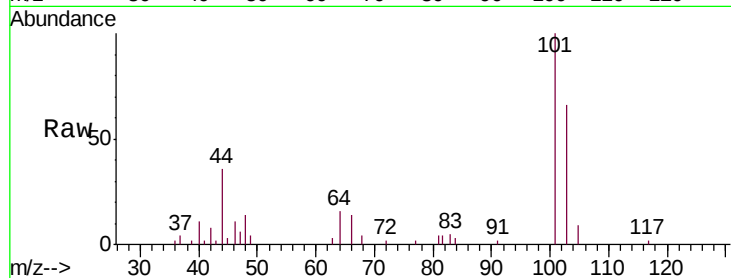
C0X43

Tgt Ion:101 Resp: 6971

Ion Ratio Lower Upper

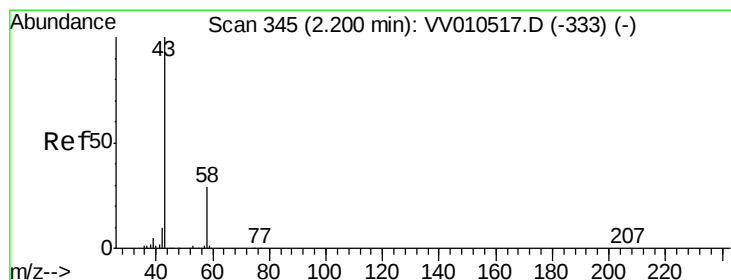
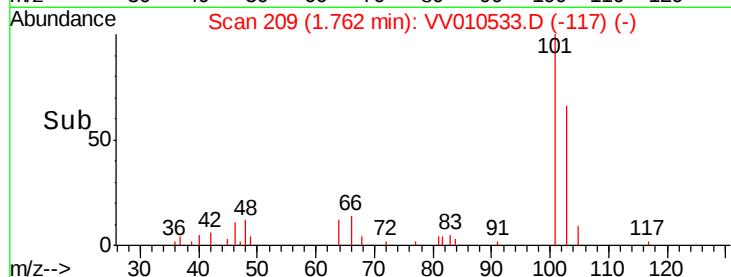
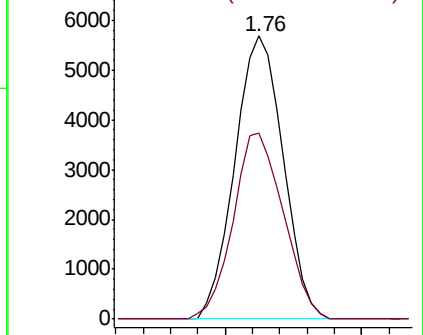
101 100

103 68.5 50.5 75.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Acetone

Concen: 3.040 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

Lab File: VV010533.D

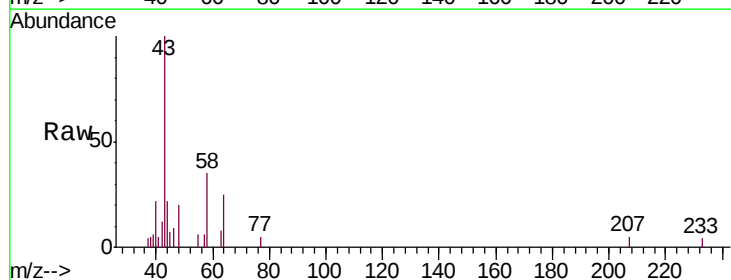
Acq: 27 Apr 2019 06:53

Tgt Ion: 43 Resp: 3859

Ion Ratio Lower Upper

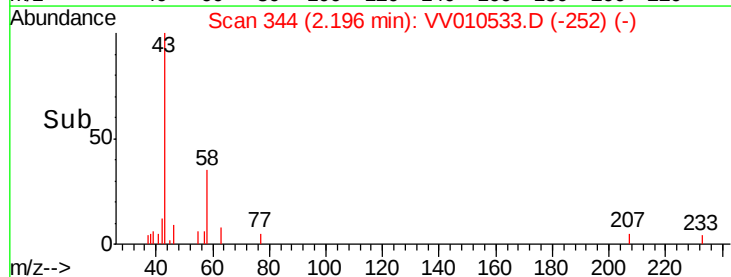
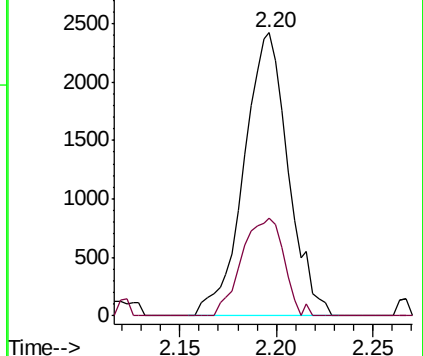
43 100

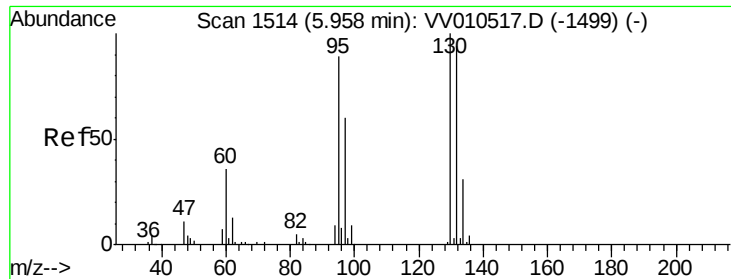
58 32.8 0.0 57.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

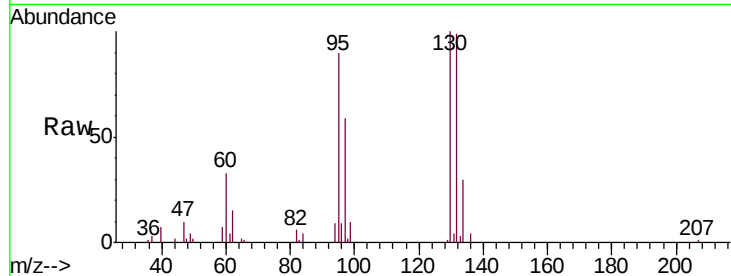




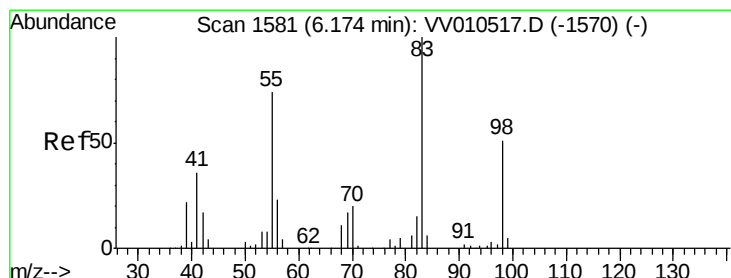
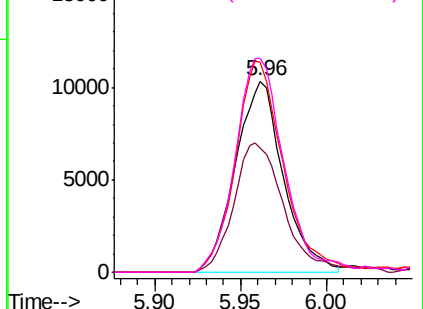
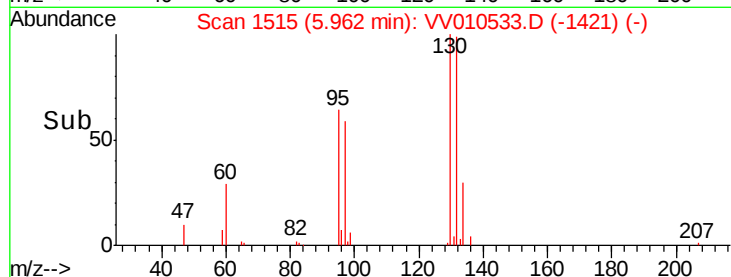
#34  
 Trichloroethene  
 Concen: 1.295 ug/L  
 RT: 5.96 min Scan# 1515  
 Delta R.T. 0.00 min  
 Lab File: VV010533.D  
 Acq: 27 Apr 2019 06:53

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0X43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 20017 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 65.3  | 43.3  | 80.5  |
| 132      | 110.1 | 74.1  | 137.5 |
| 130      | 111.6 | 79.5  | 147.6 |

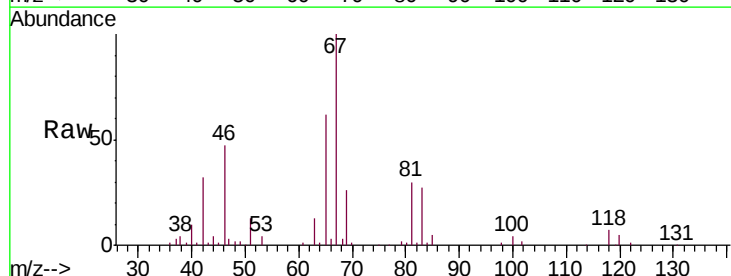


Abundance Ion 95.00 (94.70 to 95.70): VV010533.D (-1421) (-)  
 Ion 96.95 (96.65 to 97.65): VV010533.D (-1421) (-)  
 Ion 131.95 (131.65 to 132.65): VV010533.D (-1421) (-)  
 Ion 129.95 (129.65 to 130.65): VV010533.D (-1421) (-)

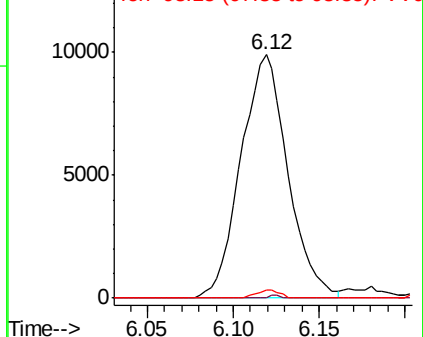
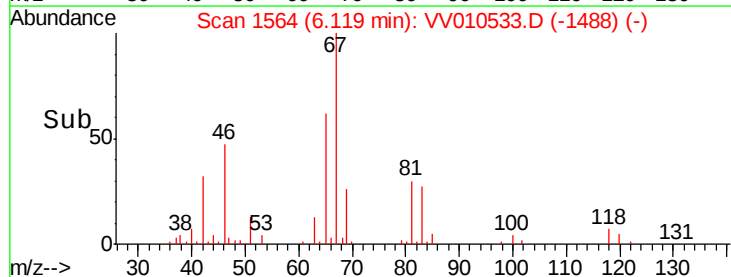


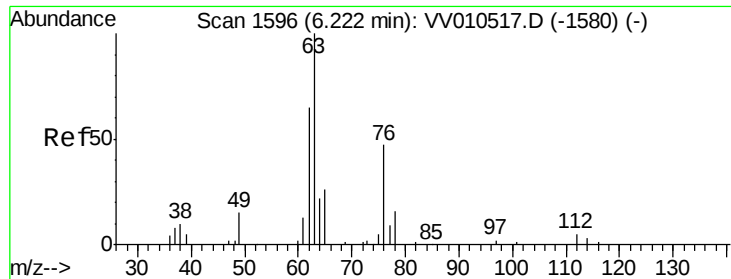
#35  
 Methylcyclohexane  
 Concen: 0.938 ug/L  
 RT: 6.12 min Scan# 1564  
 Delta R.T. -0.05 min  
 Lab File: VV010533.D  
 Acq: 27 Apr 2019 06:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 18818 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.2   | 58.0  | 87.0# |
| 98       | 1.6   | 40.4  | 60.6# |



Abundance Ion 83.15 (82.85 to 83.85): VV010533.D (-1488) (-)  
 Ion 55.10 (54.80 to 55.80): VV010533.D (-1488) (-)  
 Ion 98.15 (97.85 to 98.85): VV010533.D (-1488) (-)





#37

1,2-Dichloropropane

Concen: 0.690 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV010533.D

Acq: 27 Apr 2019 06:53

Instrument :

MSVOA\_V

ClientSampleId :

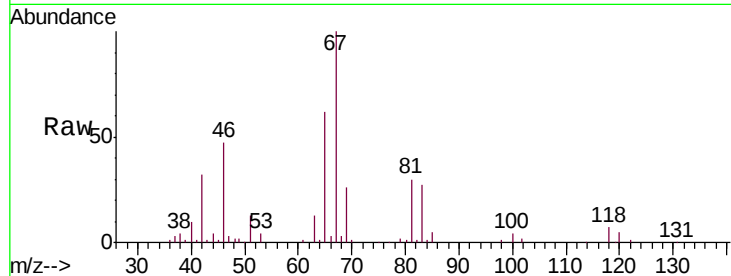
C0X43

Tgt Ion: 63 Resp: 8449

Ion Ratio Lower Upper

63 100

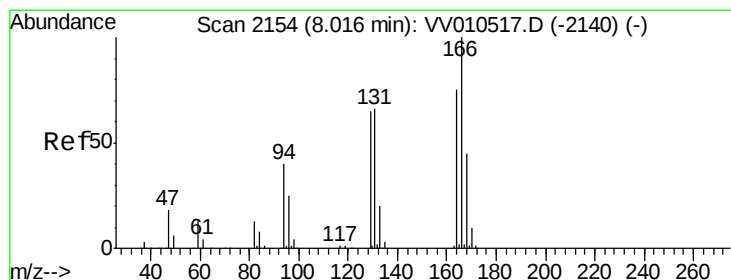
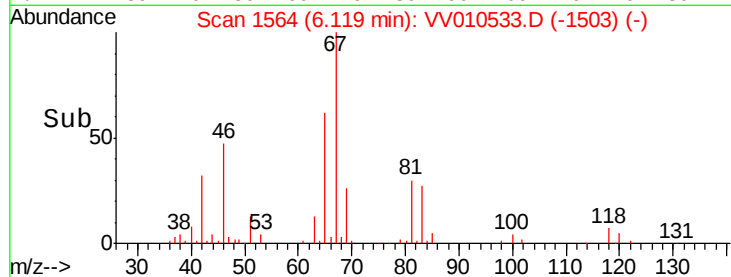
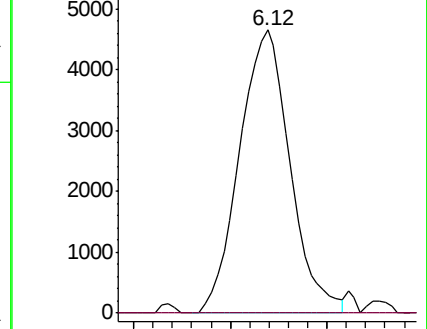
112 0.6 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VV010517.D (-1580) (-)

Ion 112.10 (111.80 to 112.80): VV010517.D (-1580) (-)

6.12



#47

Tetrachloroethene

Concen: 0.303 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010533.D

Acq: 27 Apr 2019 06:53

Tgt Ion: 164 Resp: 4374

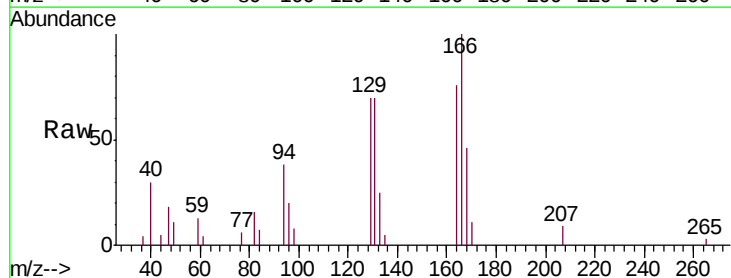
Ion Ratio Lower Upper

164 100

129 92.3 62.2 115.4

131 92.2 61.5 114.1

166 131.0 89.1 165.5

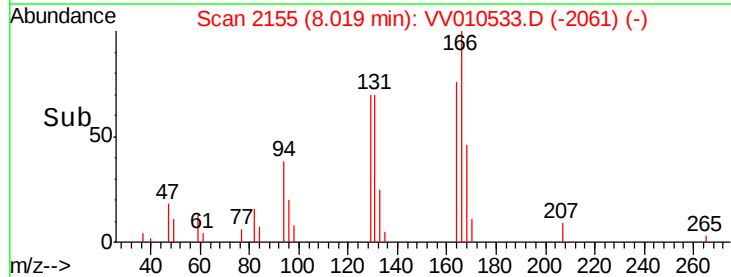
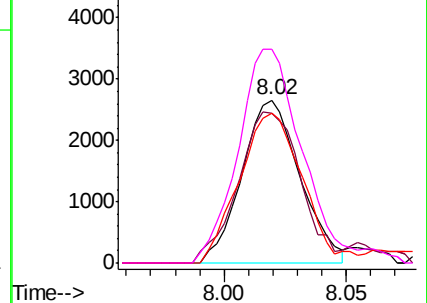


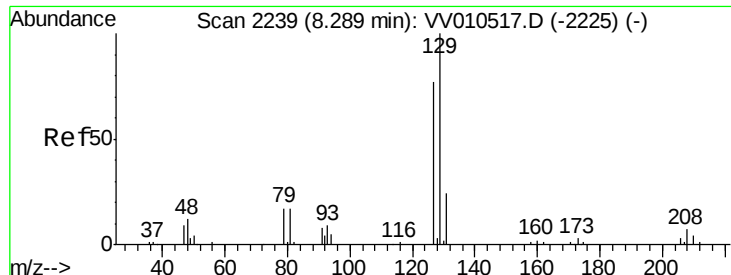
Abundance Ion 163.90 (163.60 to 164.60): VV010517.D (-2140) (-)

Ion 128.95 (128.65 to 129.65): VV010517.D (-2140) (-)

Ion 130.95 (130.65 to 131.65): VV010517.D (-2140) (-)

Ion 165.90 (165.60 to 166.60): VV010517.D (-2140) (-)





#49

Dibromochloromethane

Concen: 0.279 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV010533.D

Acq: 27 Apr 2019 06:53

Instrument :

MSVOA\_V

ClientSampleId :

C0X43

Tgt Ion:129 Resp: 3566

Ion Ratio Lower Upper

129 100

127 0.0 51.9 96.5#

