

Data File : VV010539.D  
Acq On : 27 Apr 2019 09:25  
Operator : SY/MD  
Sample : K2586-17  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0X59

Quant Time: Apr 29 02:02:50 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  | 231690   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 235272   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 106231   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 52686    | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 93.40%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 37607    | 6.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 124.80% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 73698    | 3.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 69.60%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 130860   | 45.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 90.04%  |
| 24) Chloroform-d               | 4.40   | 84    | 133810   | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 70825    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.60% |
| 32) Benzene-d6                 | 5.10   | 84    | 278779   | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 78165    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.40%  |
| 41) Toluene-d8                 | 7.36   | 98    | 262729   | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.60%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 25783    | 4.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.40%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 123516   | 46.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 92.50%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 58264    | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 88.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 113053   | 5.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 110.40% |

#### Target Compounds

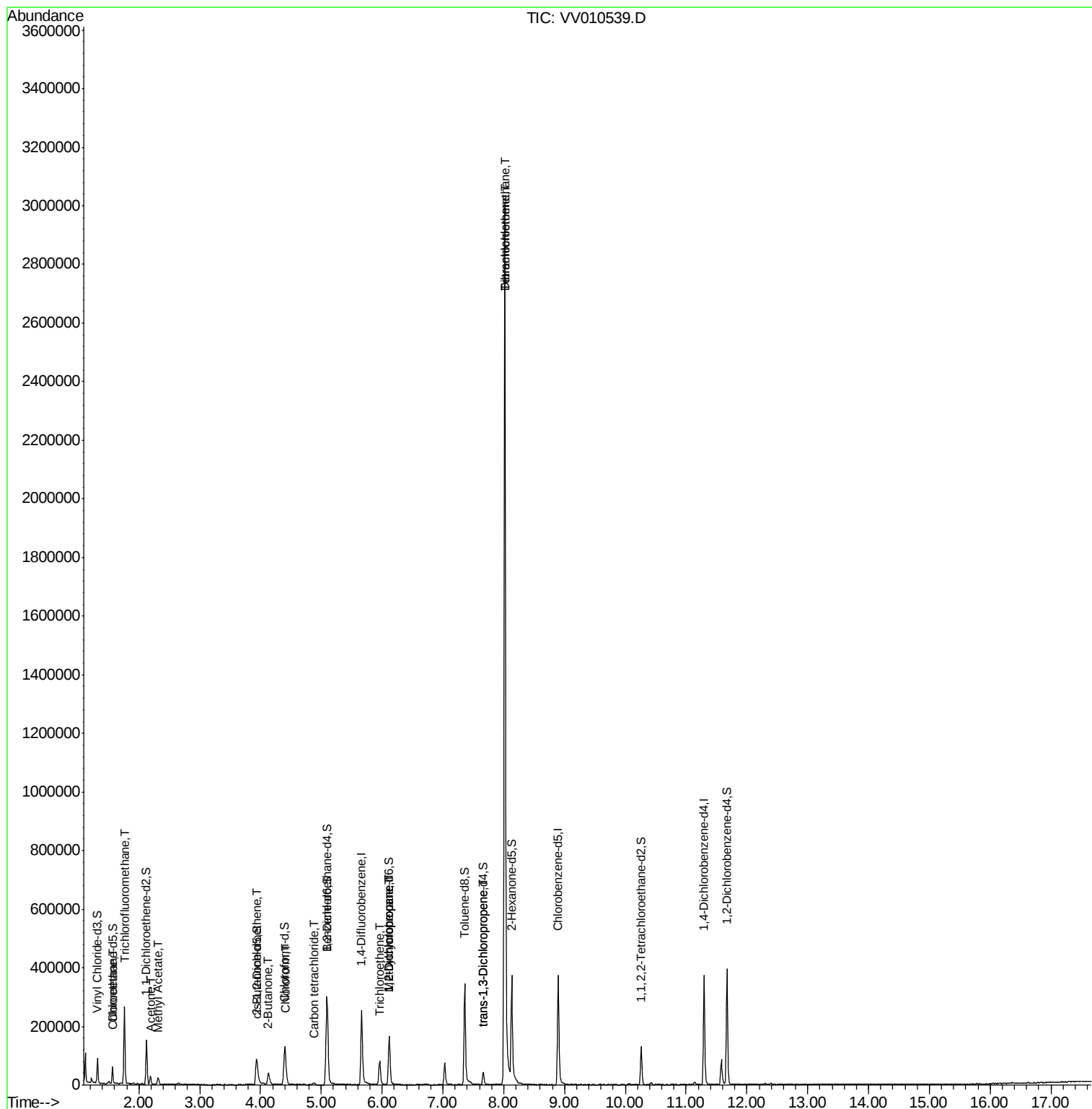
|                               |      |     |        |        | Qvalue |    |
|-------------------------------|------|-----|--------|--------|--------|----|
| 8) Chloroethane               | 1.59 | 64  | 591    | 0.114  | ug/L # | 61 |
| 9) Trichlorofluoromethane     | 1.76 | 101 | 155876 | 6.166  | ug/L   | 99 |
| 13) Acetone                   | 2.19 | 43  | 25552  | 17.647 | ug/L   | 98 |
| 15) Methyl Acetate            | 2.32 | 43  | 7244   | 1.508  | ug/L # | 44 |
| 21) 2-Butanone                | 4.13 | 43  | 55674  | 18.603 | ug/L # | 46 |
| 22) cis-1,2-Dichloroethene    | 3.96 | 96  | 1340   | 0.078  | ug/L   | 68 |
| 25) Chloroform                | 4.42 | 83  | 11838  | 0.396  | ug/L   | 91 |
| 31) Carbon tetrachloride      | 4.87 | 117 | 5053   | 0.192  | ug/L   | 88 |
| 34) Trichloroethene           | 5.96 | 95  | 27941  | 1.577  | ug/L   | 98 |
| 35) Methylcyclohexane         | 6.12 | 83  | 21174  | 0.921  | ug/L # | 20 |
| 37) 1,2-Dichloropropane       | 6.12 | 63  | 9063   | 0.646  | ug/L # | 87 |
| 44) trans-1,3-Dichloropropene | 7.67 | 75  | 1492   | 0.094  | ug/L   | 91 |
| 47) Tetrachloroethene         | 8.02 | 164 | 762335 | 46.061 | ug/L   | 99 |
| 49) Dibromochloromethane      | 8.02 | 129 | 653143 | 44.648 | ug/L # | 12 |

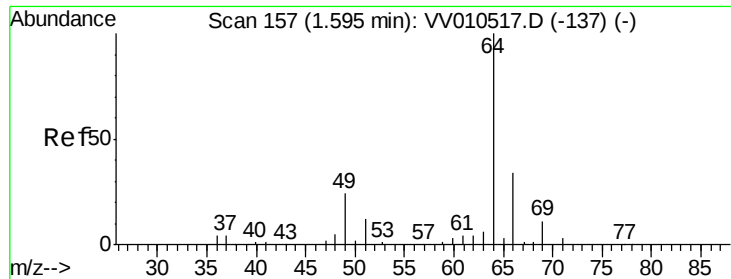
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.114 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.01 min

Lab File: VV010539.D

Acq: 27 Apr 2019 09:25

Instrument :

MSVOA\_V

ClientSampleId :

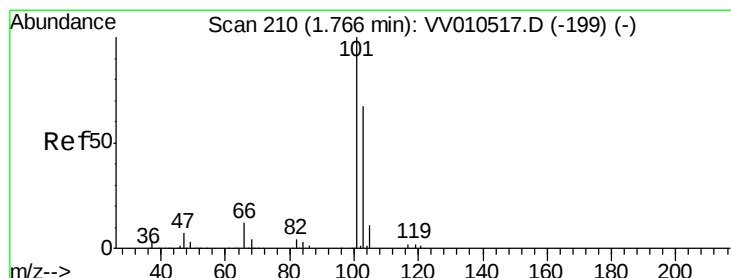
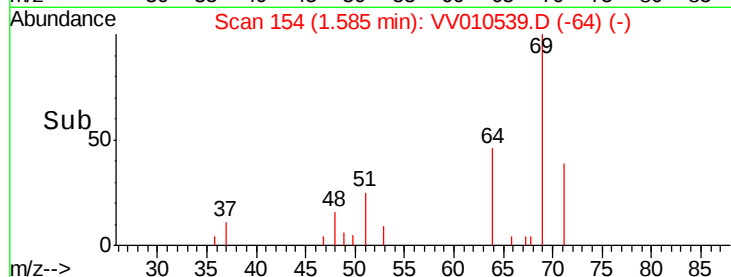
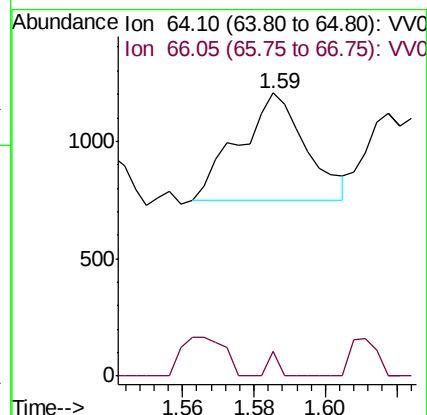
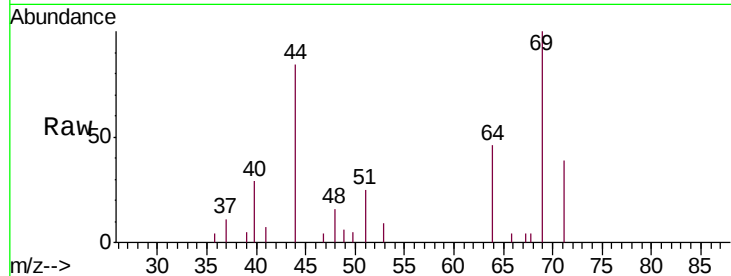
C0X59

Tgt Ion: 64 Resp: 591

Ion Ratio Lower Upper

64 100

66 8.6 20.7 38.5#



#9

Trichlorofluoromethane

Concen: 6.166 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV010539.D

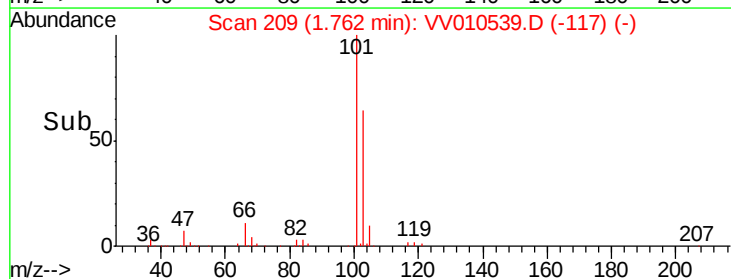
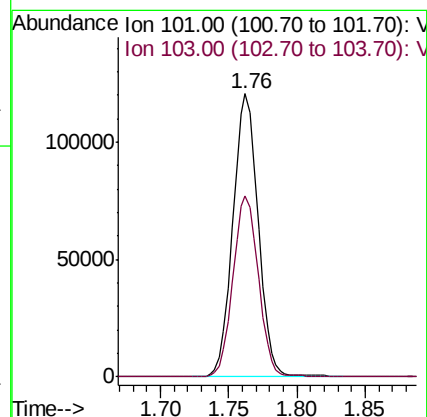
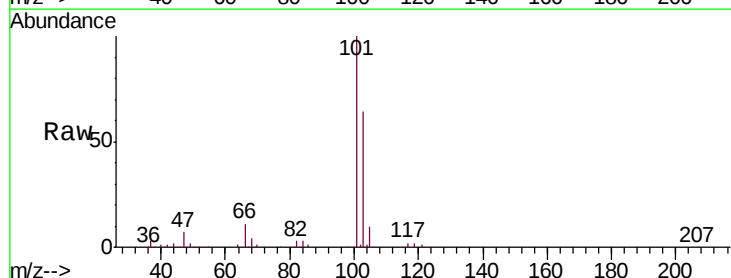
Acq: 27 Apr 2019 09:25

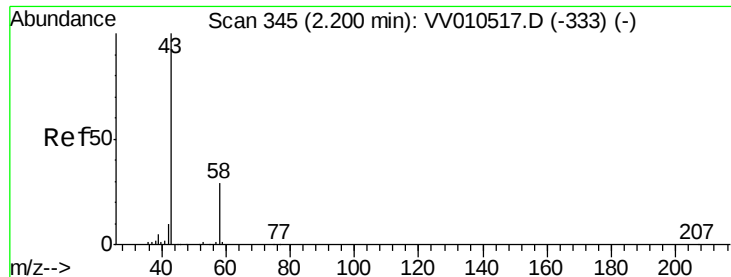
Tgt Ion: 101 Resp: 155876

Ion Ratio Lower Upper

101 100

103 63.9 50.5 75.7





#13

Acetone

Concen: 17.647 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV010539.D

Acq: 27 Apr 2019 09:25

Instrument :

MSVOA\_V

ClientSampleId :

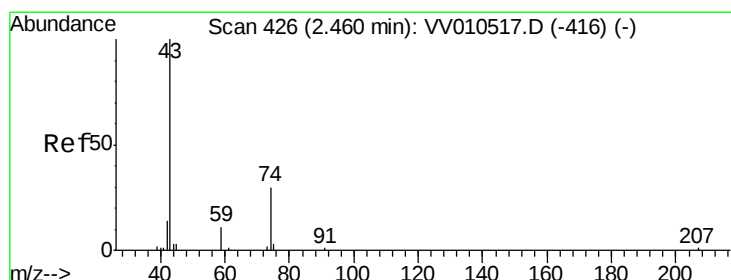
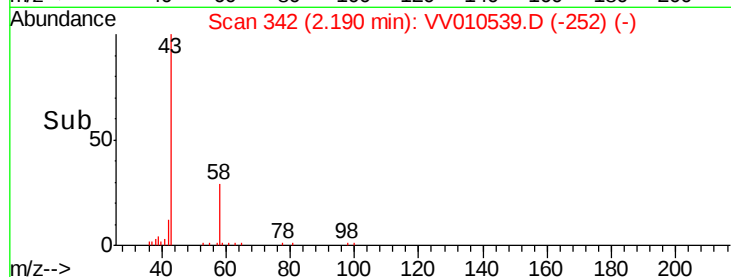
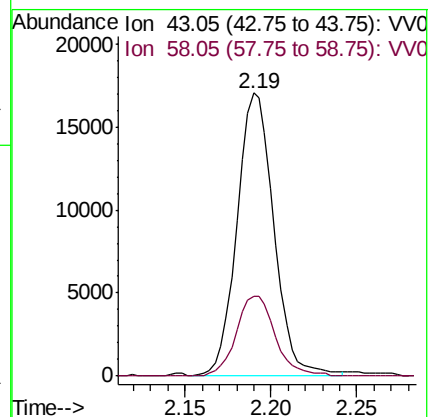
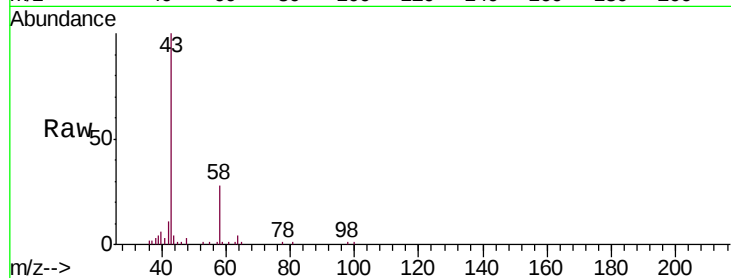
C0X59

Tgt Ion: 43 Resp: 25552

Ion Ratio Lower Upper

43 100

58 29.8 0.0 57.4



#15

Methyl Acetate

Concen: 1.508 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.14 min

Lab File: VV010539.D

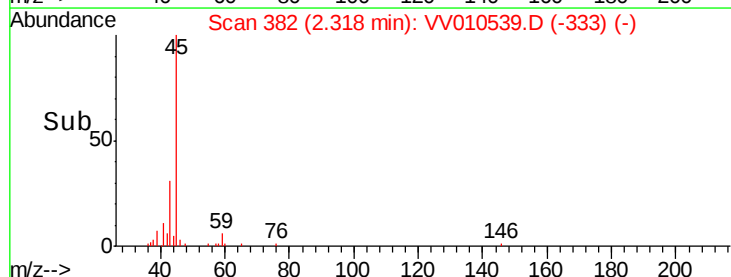
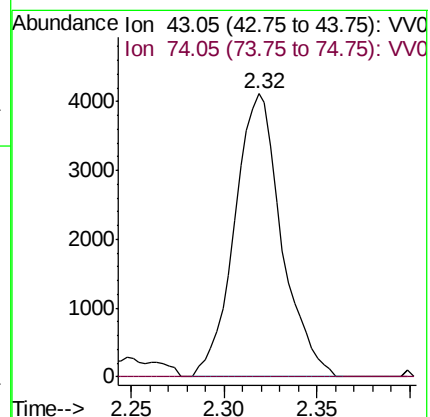
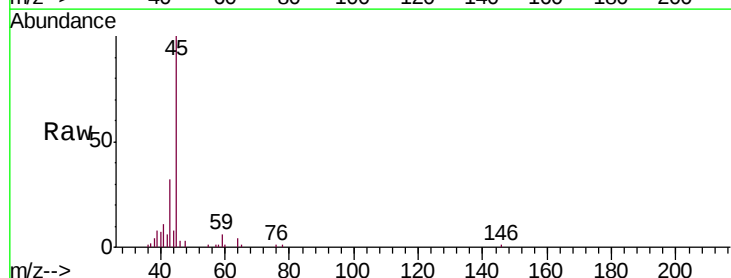
Acq: 27 Apr 2019 09:25

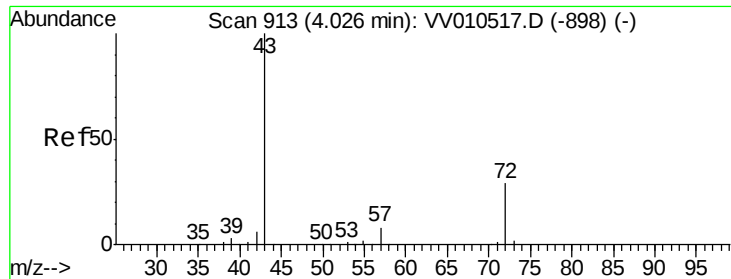
Tgt Ion: 43 Resp: 7244

Ion Ratio Lower Upper

43 100

74 0.0 24.2 36.2#





#21

2-Butanone

Concen: 18.603 ug/L

RT: 4.13 min Scan# 945

Delta R.T. 0.10 min

Lab File: VV010539.D

Acq: 27 Apr 2019 09:25

Instrument :

MSVOA\_V

ClientSampled :

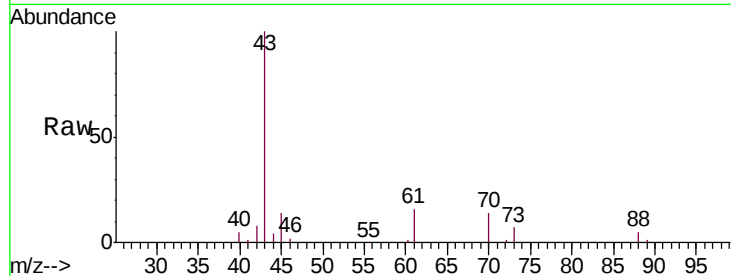
C0X59

Tgt Ion: 43 Resp: 55674

Ion Ratio Lower Upper

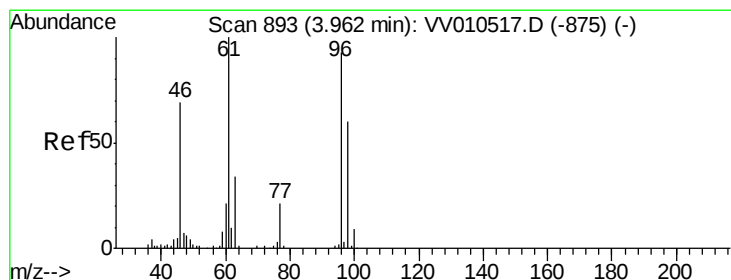
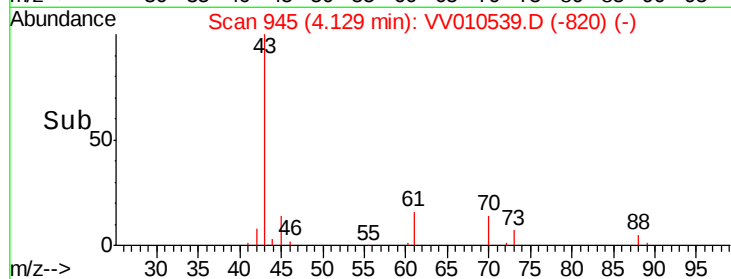
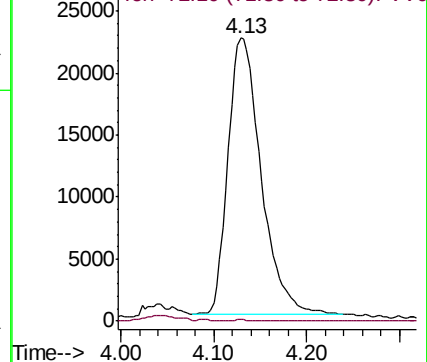
43 100

72 0.1 14.6 43.8#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.078 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.01 min

Lab File: VV010539.D

Acq: 27 Apr 2019 09:25

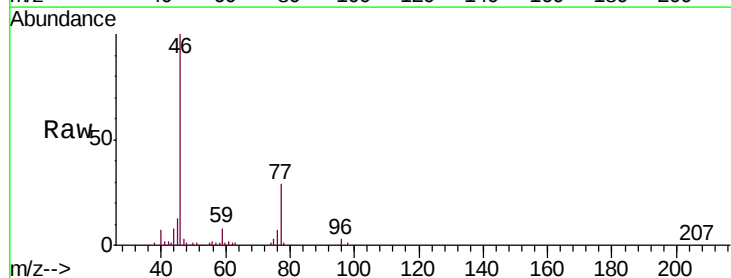
Tgt Ion: 96 Resp: 1340

Ion Ratio Lower Upper

96 100

61 80.0 79.9 148.3

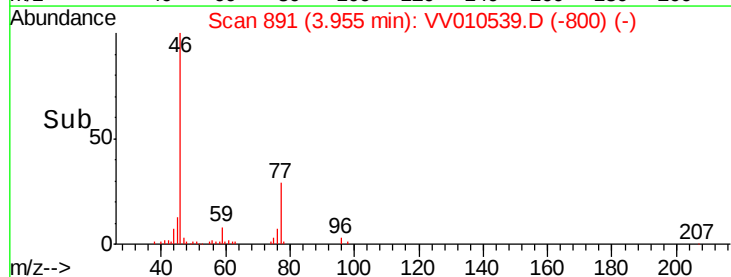
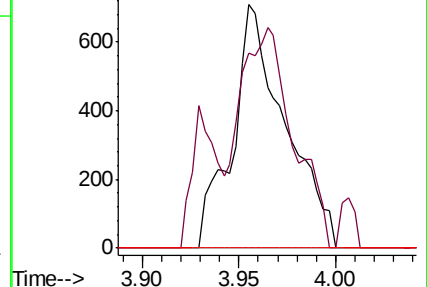
68 0.0 0.0 0.0

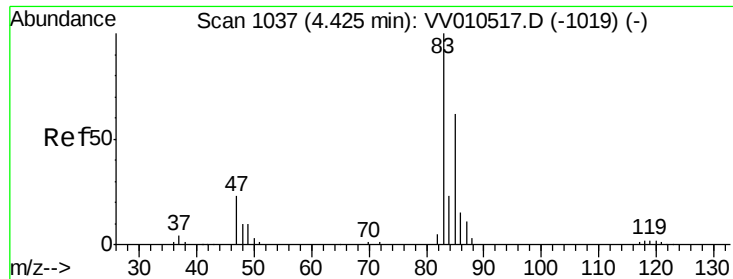


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

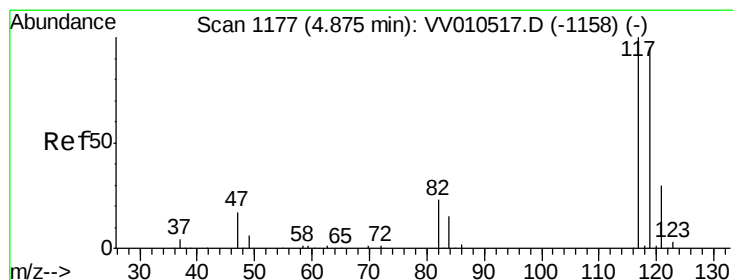
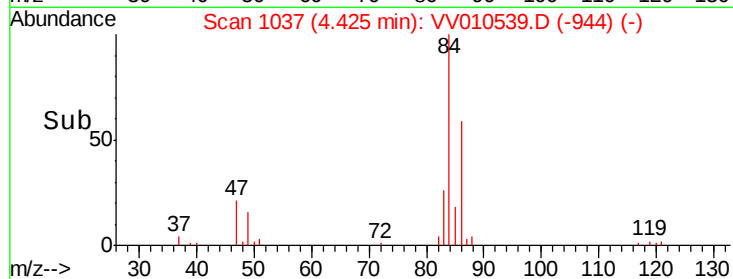
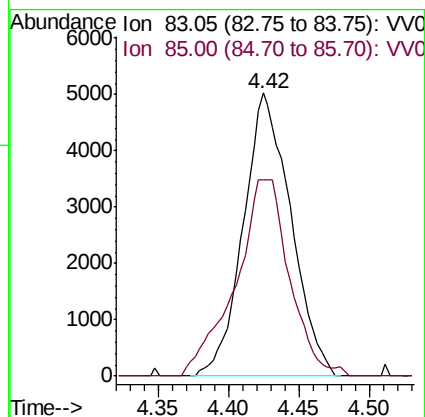
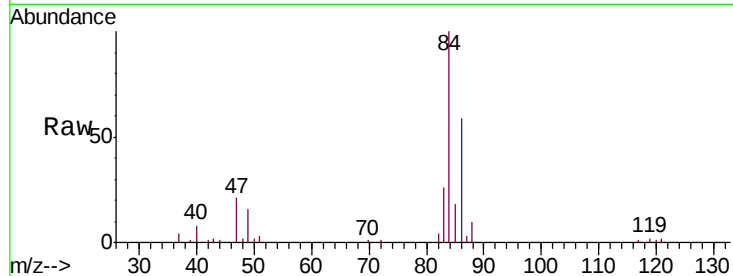




#25  
Chloroform  
Concen: 0.396 ug/L  
RT: 4.42 min Scan# 1037  
Delta R.T. -0.00 min  
Lab File: VV010539.D  
Acq: 27 Apr 2019 09:25

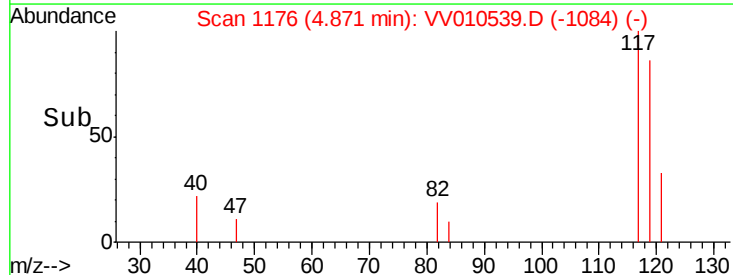
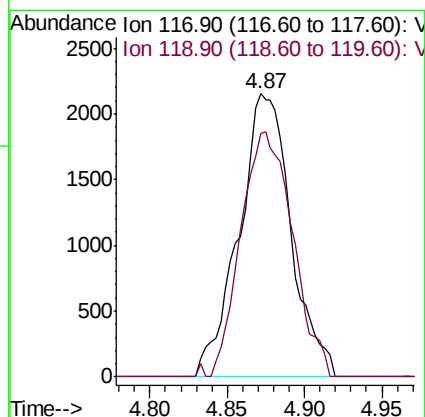
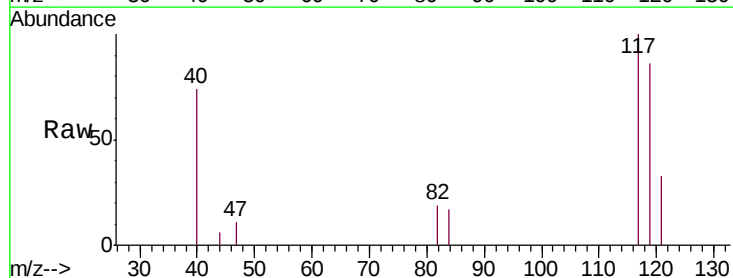
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0X59

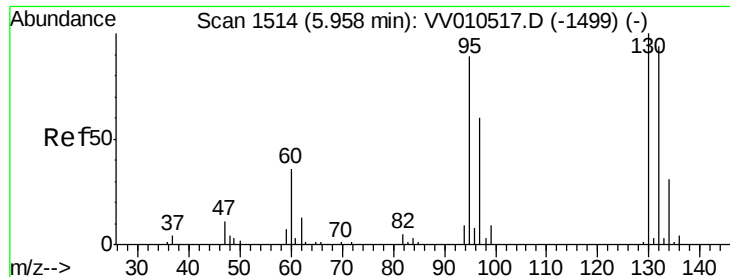
Tgt Ion: 83 Resp: 11838  
Ion Ratio Lower Upper  
83 100  
85 69.4 43.6 81.0



#31  
Carbon tetrachloride  
Concen: 0.192 ug/L  
RT: 4.87 min Scan# 1176  
Delta R.T. -0.00 min  
Lab File: VV010539.D  
Acq: 27 Apr 2019 09:25

Tgt Ion: 117 Resp: 5053  
Ion Ratio Lower Upper  
117 100  
119 85.8 77.8 116.6





#34

Trichloroethene

Concen: 1.577 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV010539.D

Acq: 27 Apr 2019 09:25

Instrument :

MSVOA\_V

ClientSampleId :

C0X59

Tgt Ion: 95 Resp: 27941

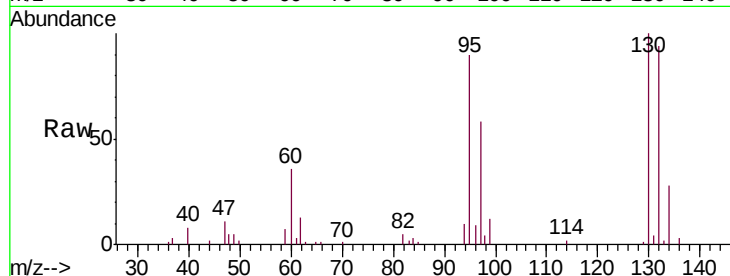
Ion Ratio Lower Upper

95 100

97 64.3 43.3 80.5

132 105.4 74.1 137.5

130 111.7 79.5 147.6



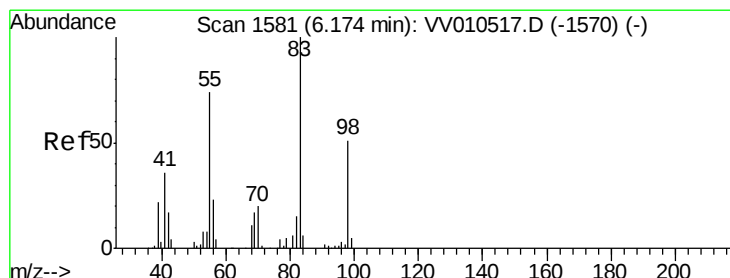
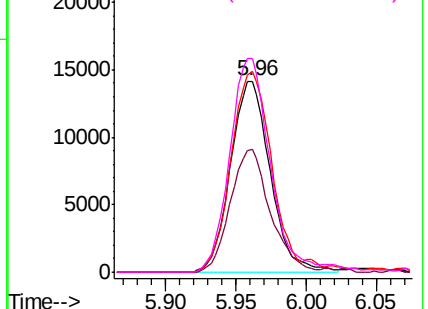
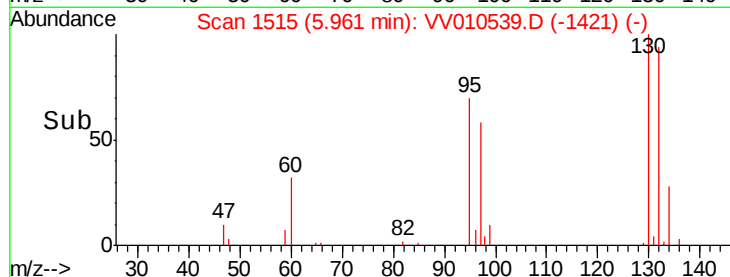
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.921 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV010539.D

Acq: 27 Apr 2019 09:25

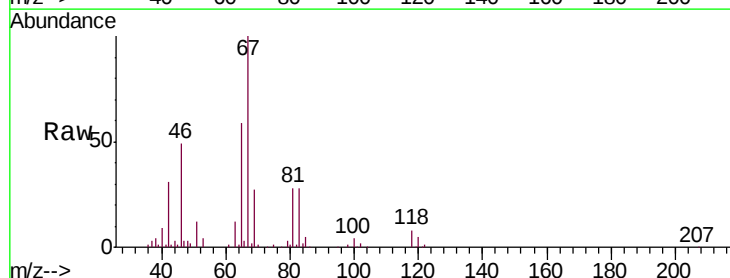
Tgt Ion: 83 Resp: 21174

Ion Ratio Lower Upper

83 100

55 0.1 58.0 87.0#

98 1.6 40.4 60.6#

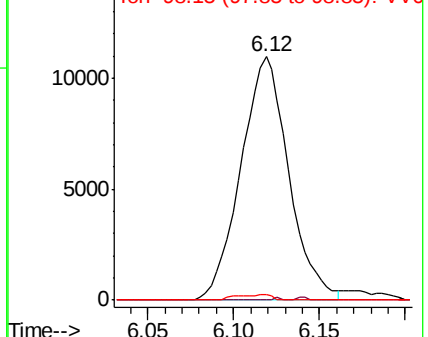
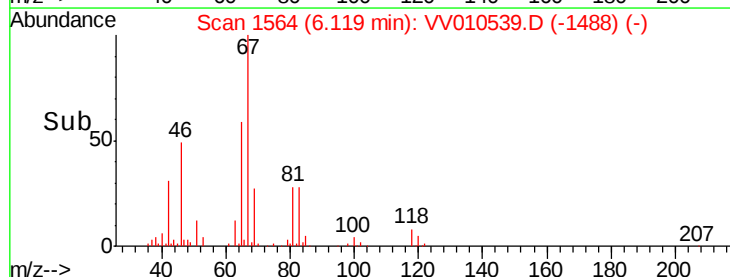


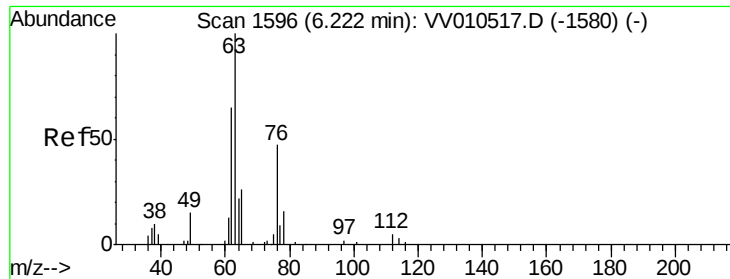
Abundance

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

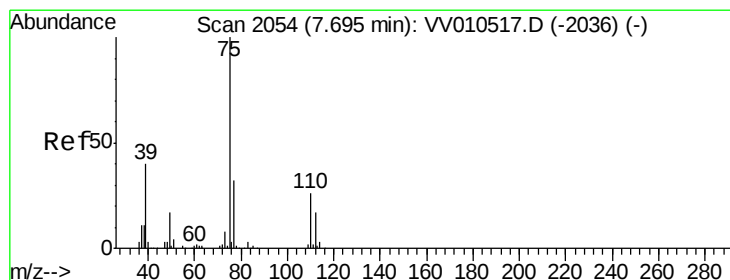
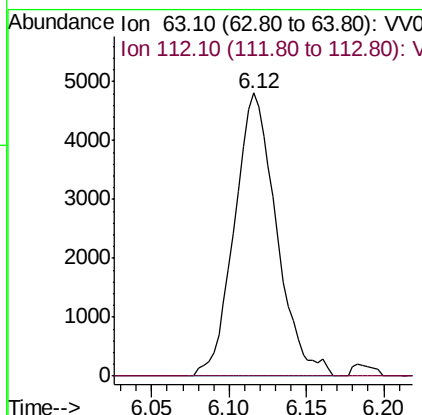
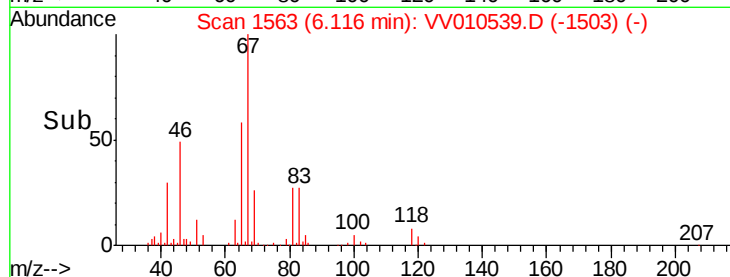
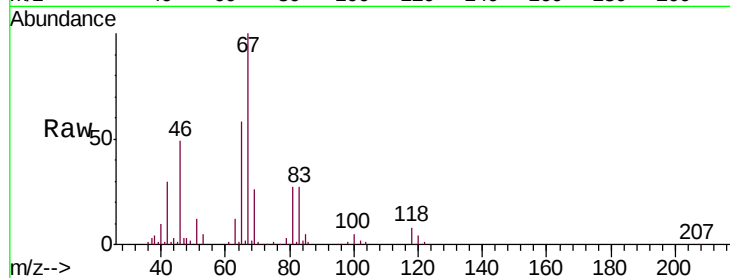




#37  
 1,2-Dichloropropane  
 Concen: 0.646 ug/L  
 RT: 6.12 min Scan# 1563  
 Delta R.T. -0.11 min  
 Lab File: VV010539.D  
 Acq: 27 Apr 2019 09:25

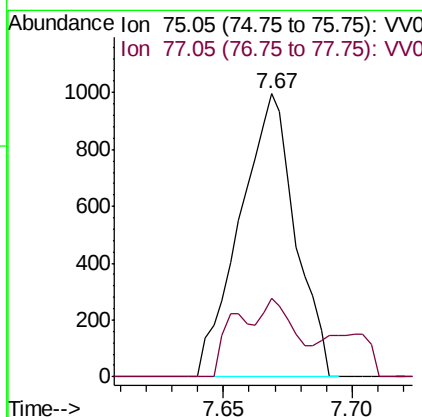
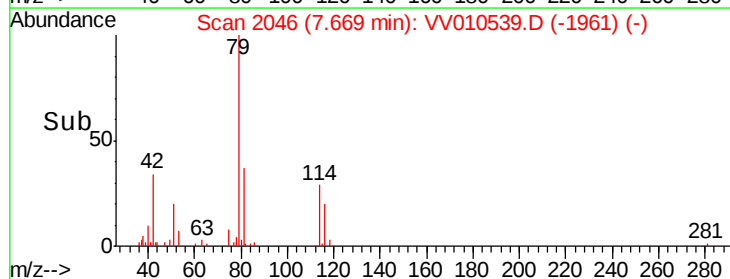
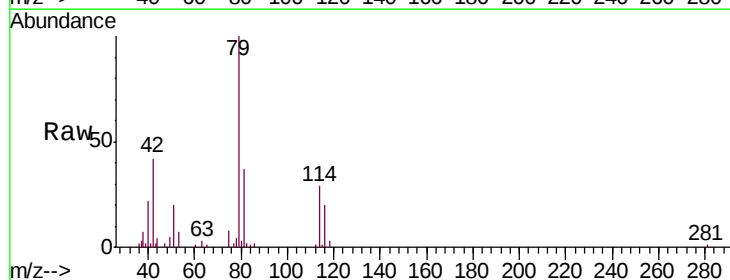
Instrument :  
 MSVOA\_V  
 ClientSampled :  
 C0X59

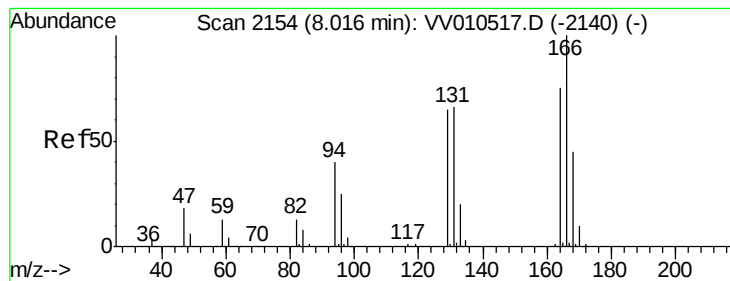
Tgt Ion: 63 Resp: 9063  
 Ion Ratio Lower Upper  
 63 100  
 112 0.5 3.7 5.5#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.094 ug/L  
 RT: 7.67 min Scan# 2046  
 Delta R.T. -0.03 min  
 Lab File: VV010539.D  
 Acq: 27 Apr 2019 09:25

Tgt Ion: 75 Resp: 1492  
 Ion Ratio Lower Upper  
 75 100  
 77 27.7 23.0 42.6





#47

Tetrachloroethene

Concen: 46.061 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010539.D

Acq: 27 Apr 2019 09:25

Instrument :

MSVOA\_V

ClientSampleId :

C0X59

Tgt Ion:164 Resp: 762335

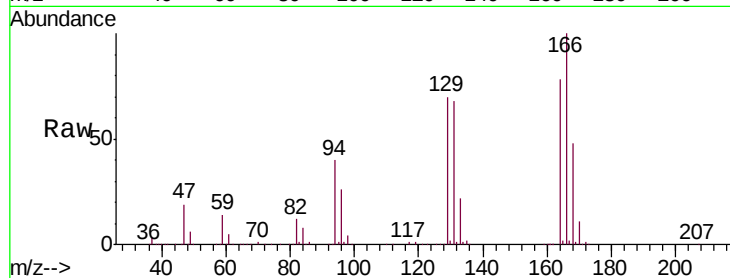
Ion Ratio Lower Upper

164 100

129 90.1 62.2 115.4

131 86.9 61.5 114.1

166 128.4 89.1 165.5

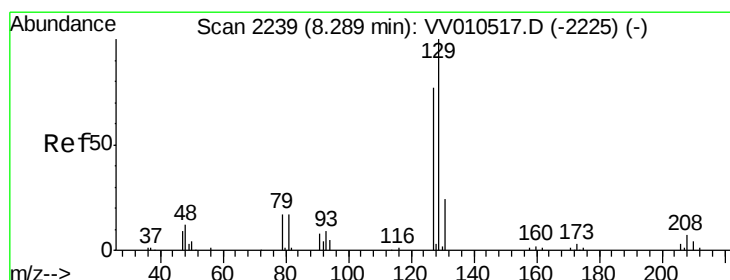
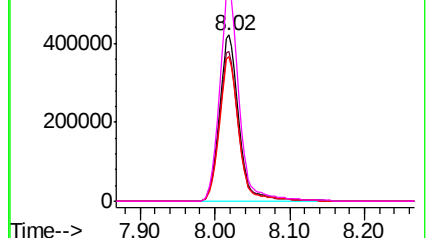
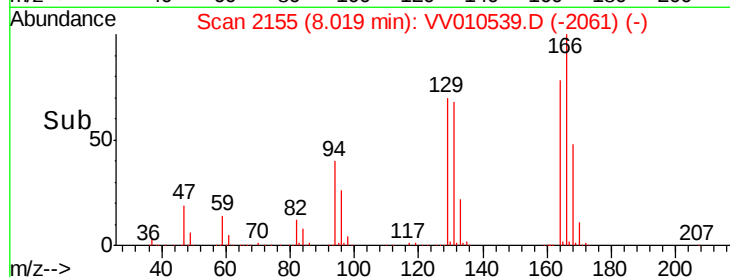


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 44.648 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV010539.D

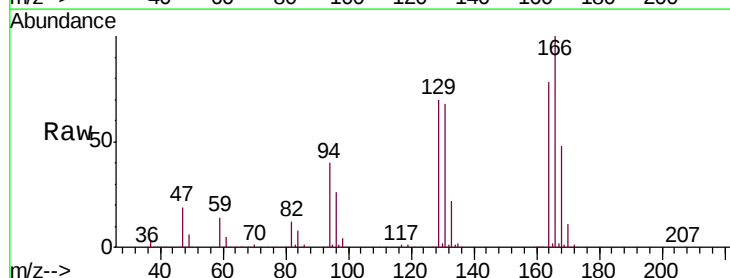
Acq: 27 Apr 2019 09:25

Tgt Ion:129 Resp: 653143

Ion Ratio Lower Upper

129 100

127 0.0 51.9 96.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

