

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV042719\  
 Data File : VV010525.D  
 Acq On : 27 Apr 2019 03:30  
 Operator : SY/MD  
 Sample : K2586-03  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0X17

Quant Time: Apr 27 05:14:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Apr 27 05:12:11 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 210479   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 213969   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 95284    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 57354    | 5.60     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 112.00%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 40334    | 7.36     | ug/L | -0.01    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 147.20%# |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 80909    | 4.20     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 84.00%   |
| 20) 2-Butanone-d5              | 3.93   | 46    | 143529   | 54.36    | ug/L | -0.02    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 108.72%  |
| 24) Chloroform-d               | 4.40   | 84    | 144226   | 5.25     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 74438    | 5.88     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 117.60%  |
| 32) Benzene-d6                 | 5.10   | 84    | 299214   | 5.67     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 113.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 83424    | 5.54     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 110.80%  |
| 41) Toluene-d8                 | 7.36   | 98    | 270706   | 5.36     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 107.20%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 27894    | 4.85     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 97.00%   |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 130656   | 53.79    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 107.58%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 64961    | 5.44     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 108.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 120258   | 6.55     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 131.00%# |

## Target Compounds

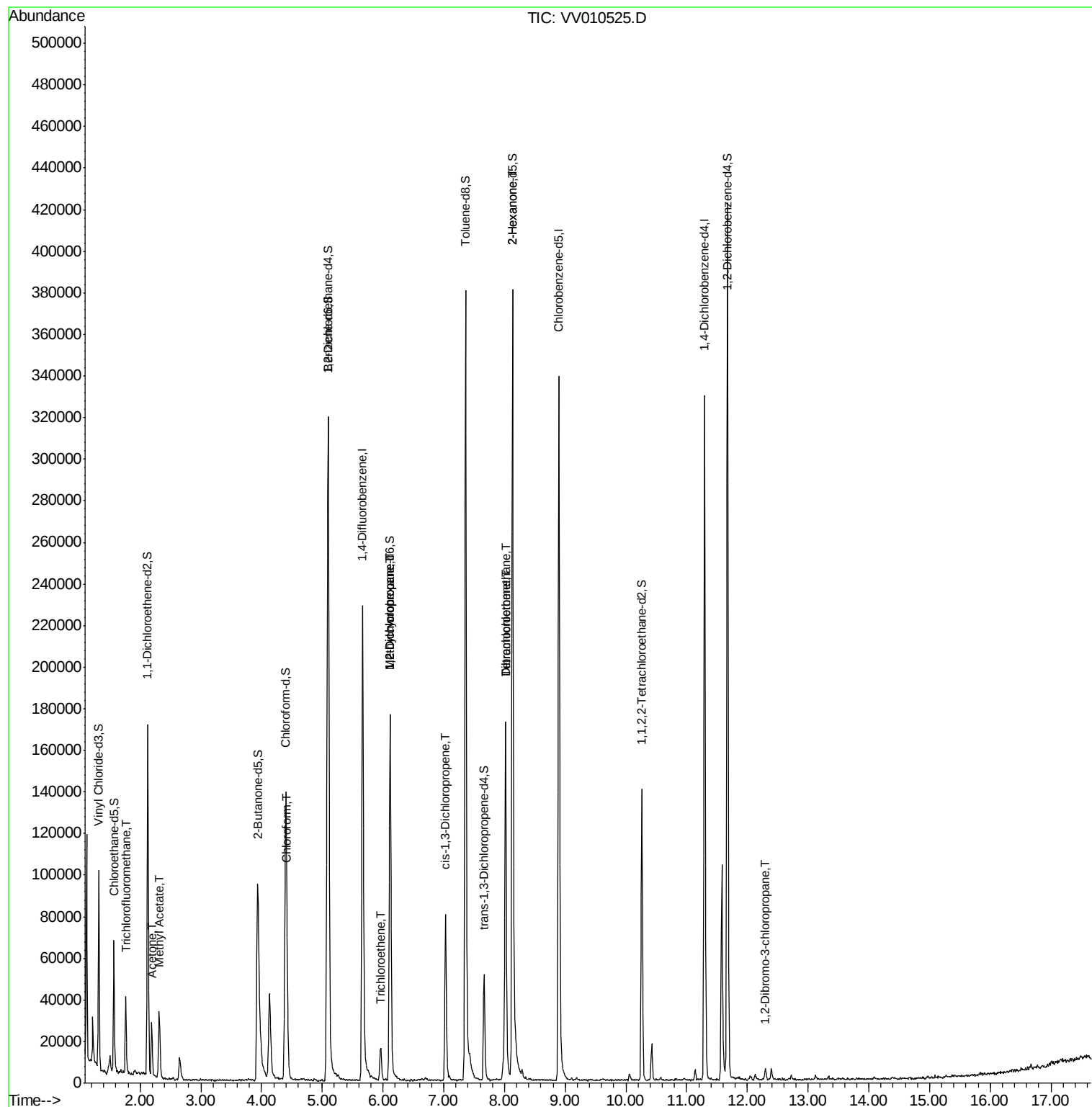
| Target Compounds               | R.T.  | Qvalue | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|--------|----------|--------|--------|--------|
| 9) Trichlorofluoromethane      | 1.76  | 101    | 18913    | 0.824  | ug/L   | 91     |
| 13) Acetone                    | 2.19  | 43     | 22947    | 17.445 | ug/L   | 96     |
| 15) Methyl Acetate             | 2.32  | 43     | 8814     | 2.020  | ug/L # | 45     |
| 25) Chloroform                 | 4.43  | 83     | 8931     | 0.329  | ug/L   | 91     |
| 34) Trichloroethene            | 5.96  | 95     | 5136     | 0.319  | ug/L   | 88     |
| 35) Methylcyclohexane          | 6.11  | 83     | 22287    | 1.066  | ug/L # | 19     |
| 37) 1,2-Dichloropropane        | 6.11  | 63     | 10011    | 0.784  | ug/L # | 88     |
| 39) cis-1,3-Dichloropropene    | 7.03  | 75     | 2422     | 0.131  | ug/L # | 60     |
| 47) Tetrachloroethene          | 8.02  | 164    | 42775    | 2.842  | ug/L   | 99     |
| 48) 2-Hexanone                 | 8.13  | 43     | 15629    | 3.309  | ug/L # | 67     |
| 49) Dibromochloromethane       | 8.02  | 129    | 36156    | 2.718  | ug/L # | 12     |
| 66) 1,2-Dibromo-3-chloropropan | 12.30 | 75     | 141      | 0.088  | ug/L # | 1      |

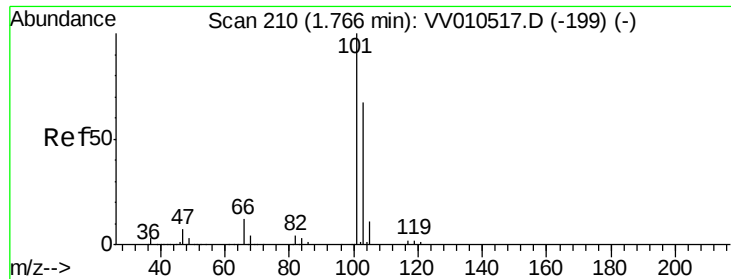
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_V\DATA\VV042719\  
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Sample : K2586-03  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0X17

Quant Time: Apr 27 05:14:50 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042719WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Apr 27 05:12:11 2019  
Response via : Initial Calibration

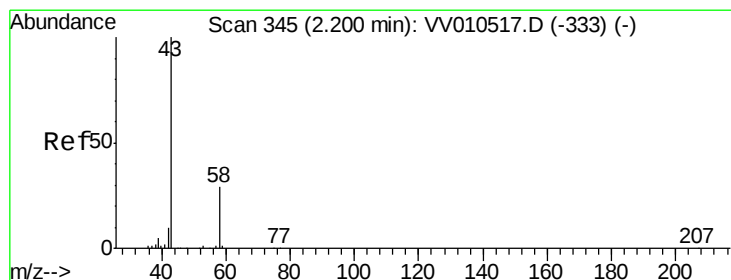
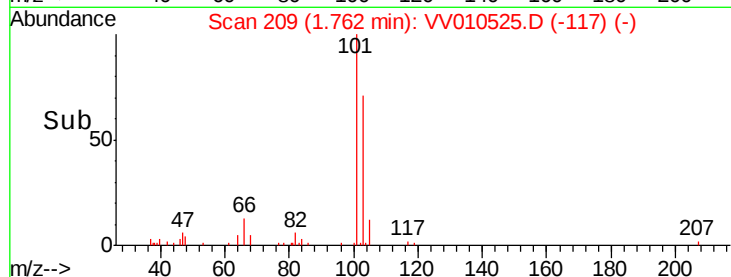
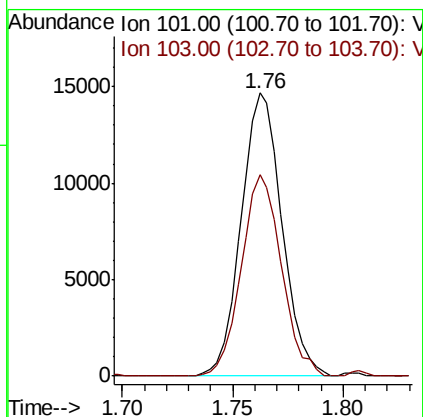
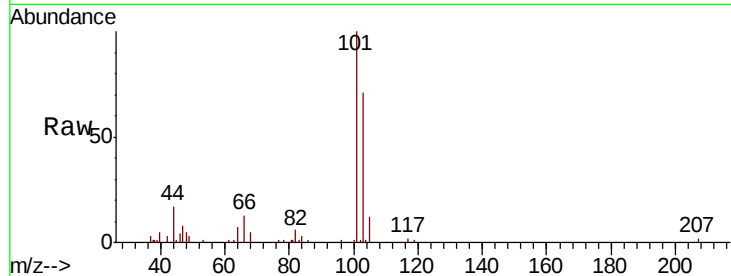




#9  
 Trichlorofluoromethane  
 Concen: 0.824 ug/L  
 RT: 1.76 min Scan# 209  
 Delta R.T. -0.00 min  
 Lab File: VV010525.D  
 Acq: 27 Apr 2019 03:30

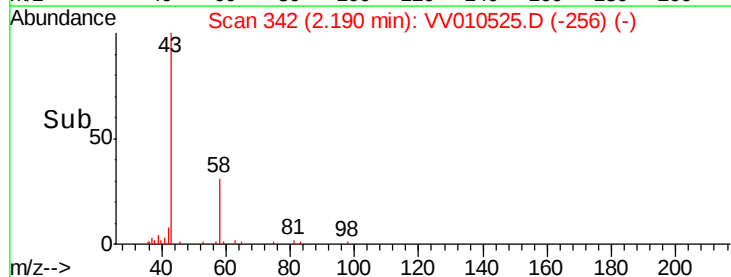
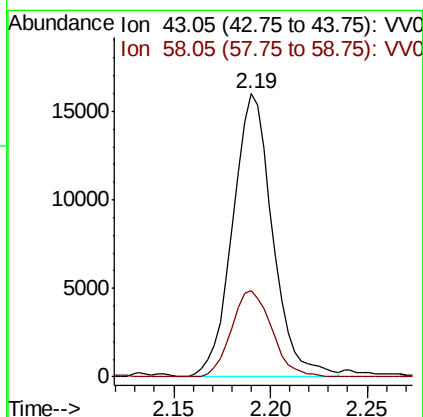
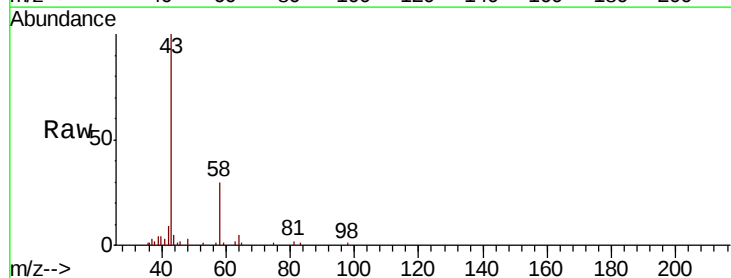
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0X17

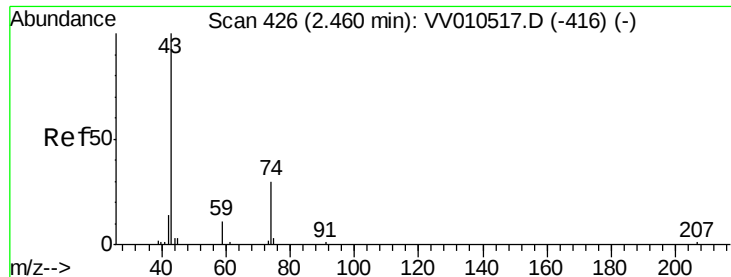
Tgt Ion:101 Resp: 18913  
 Ion Ratio Lower Upper  
 101 100  
 103 70.0 50.5 75.7



#13  
 Acetone  
 Concen: 17.445 ug/L  
 RT: 2.19 min Scan# 342  
 Delta R.T. -0.02 min  
 Lab File: VV010525.D  
 Acq: 27 Apr 2019 03:30

Tgt Ion: 43 Resp: 22947  
 Ion Ratio Lower Upper  
 43 100  
 58 30.6 0.0 57.4





#15

Methyl Acetate

Concen: 2.020 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.15 min

Lab File: VV010525.D

Acq: 27 Apr 2019 03:30

Instrument :

MSVOA\_V

ClientSampled :

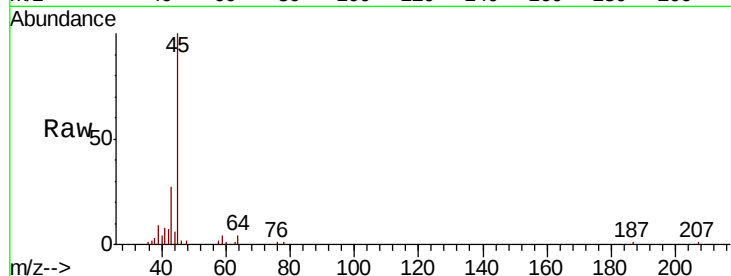
C0X17

Tgt Ion: 43 Resp: 8814

Ion Ratio Lower Upper

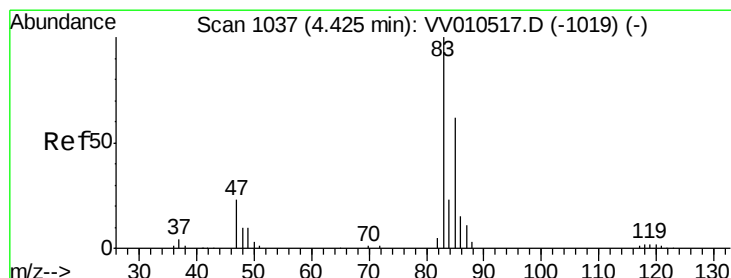
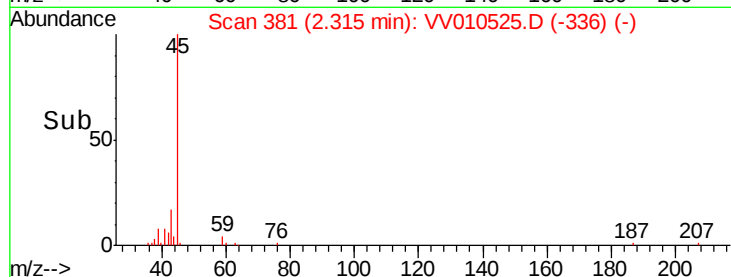
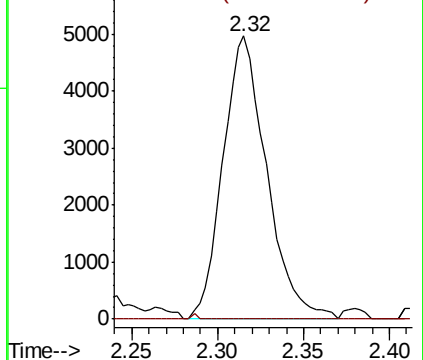
43 100

74 0.2 24.2 36.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#25

Chloroform

Concen: 0.329 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VV010525.D

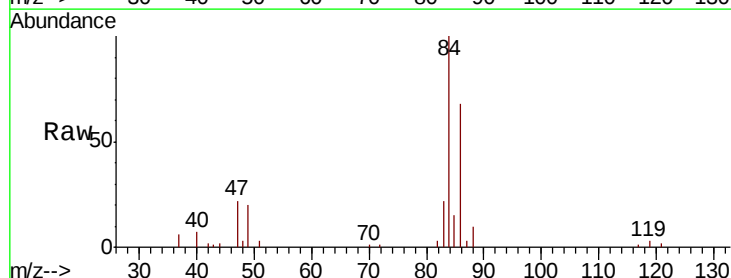
Acq: 27 Apr 2019 03:30

Tgt Ion: 83 Resp: 8931

Ion Ratio Lower Upper

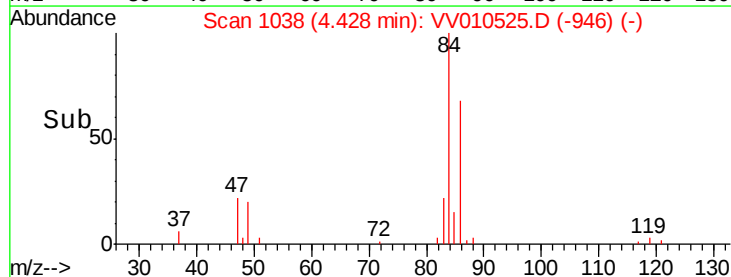
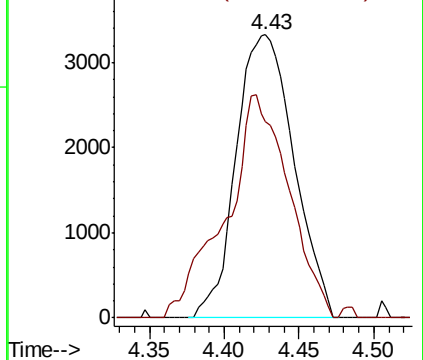
83 100

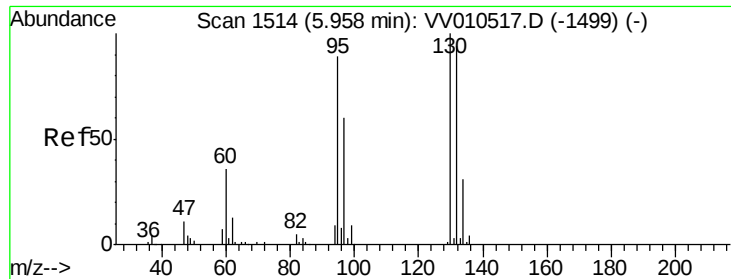
85 69.2 43.6 81.0



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

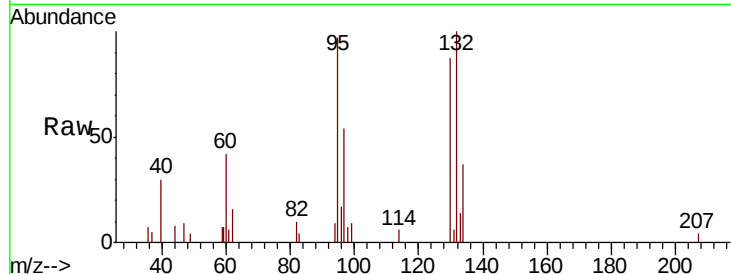




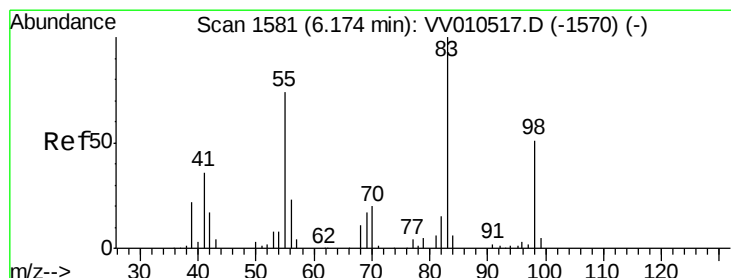
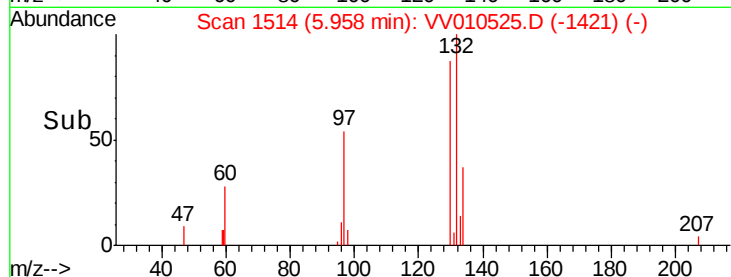
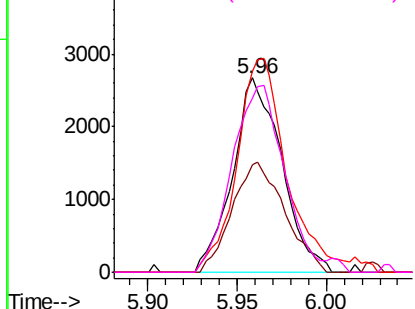
#34  
 Trichloroethene  
 Concen: 0.319 ug/L  
 RT: 5.96 min Scan# 1514  
 Delta R.T. 0.00 min  
 Lab File: VV010525.D  
 Acq: 27 Apr 2019 03:30

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0X17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 5136  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 55.3  | 43.3  | 80.5  |
| 132      | 103.1 | 74.1  | 137.5 |
| 130      | 89.6  | 79.5  | 147.6 |

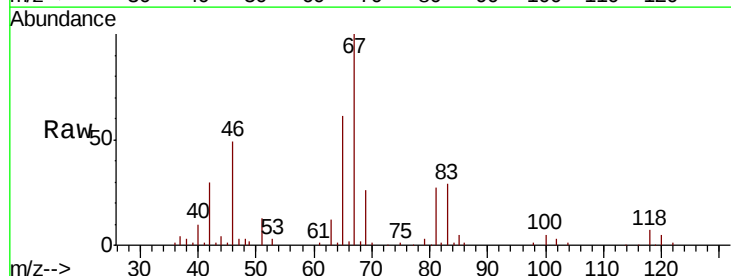


Abundance Ion 95.00 (94.70 to 95.70): VV0  
 Ion 96.95 (96.65 to 97.65): VV0  
 Ion 131.95 (131.65 to 132.65): V  
 Ion 129.95 (129.65 to 130.65): V

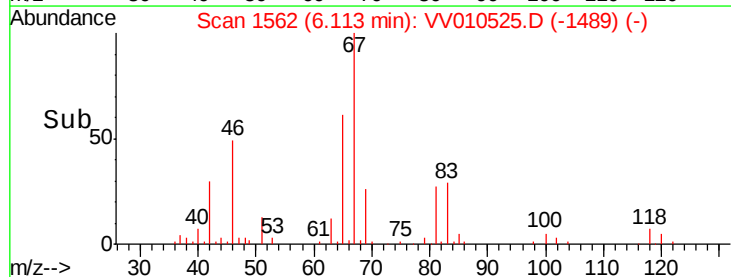
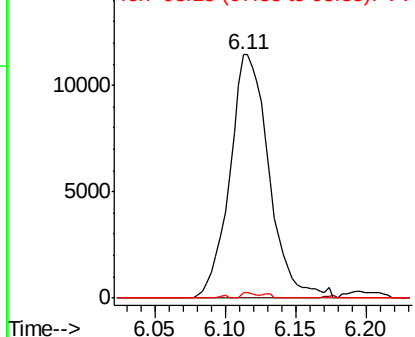


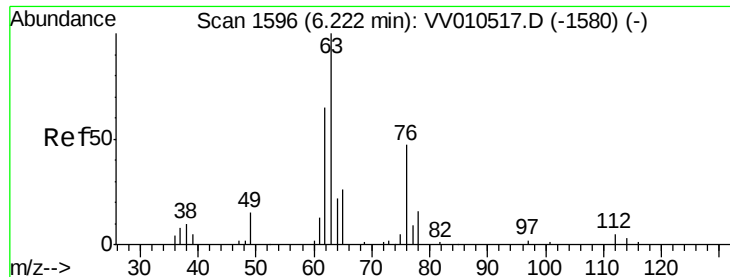
#35  
 Methylcyclohexane  
 Concen: 1.066 ug/L  
 RT: 6.11 min Scan# 1562  
 Delta R.T. -0.06 min  
 Lab File: VV010525.D  
 Acq: 27 Apr 2019 03:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 22287 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.0   | 58.0  | 87.0# |
| 98       | 0.7   | 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

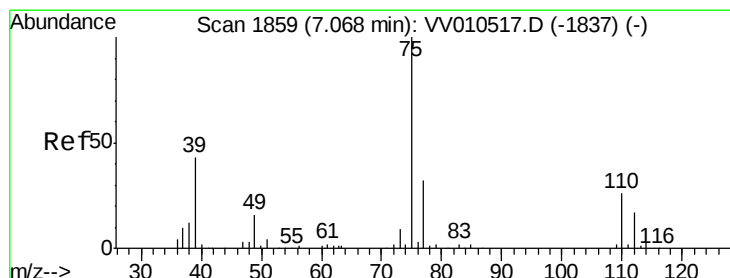
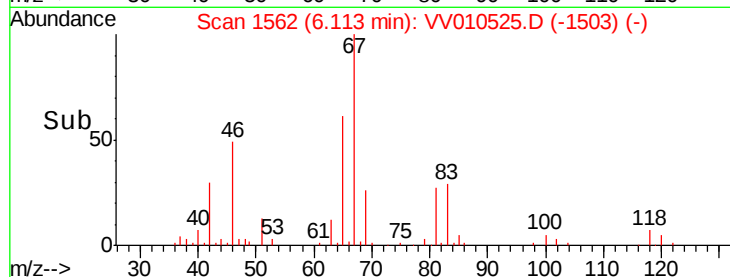
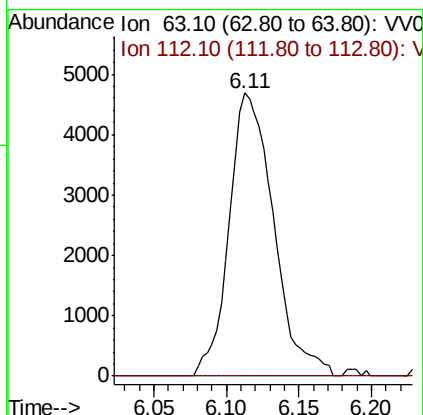
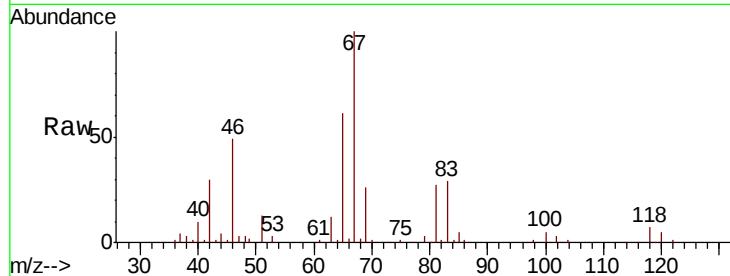




#37  
 1,2-Dichloropropane  
 Concen: 0.784 ug/L  
 RT: 6.11 min Scan# 1562  
 Delta R.T. -0.11 min  
 Lab File: VV010525.D  
 Acq: 27 Apr 2019 03:30

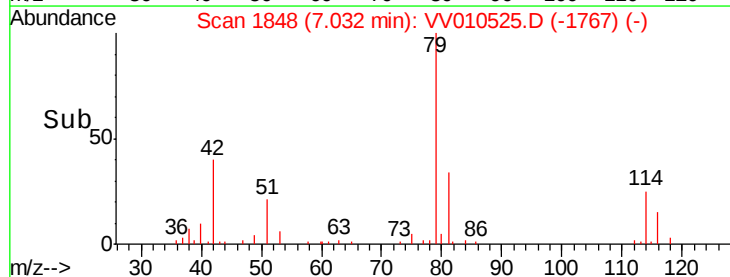
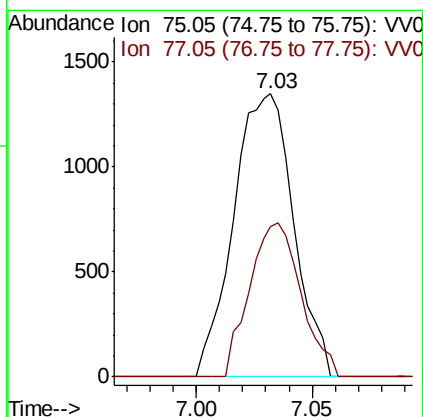
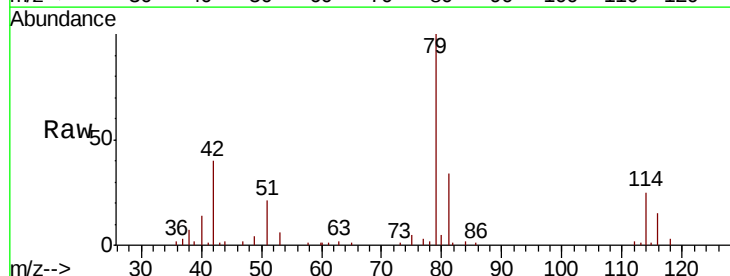
Instrument :  
 MSVOA\_V  
 ClientSampled :  
 C0X17

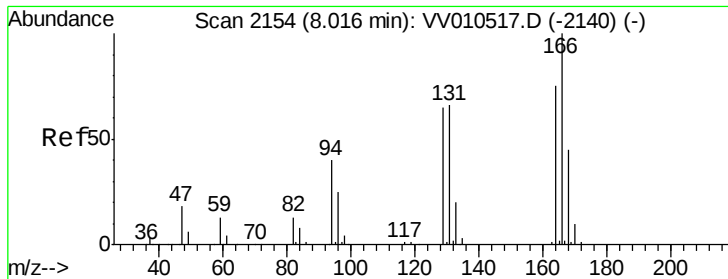
Tgt Ion: 63 Resp: 10011  
 Ion Ratio Lower Upper  
 63 100  
 112 0.5 3.7 5.5#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.131 ug/L  
 RT: 7.03 min Scan# 1848  
 Delta R.T. -0.04 min  
 Lab File: VV010525.D  
 Acq: 27 Apr 2019 03:30

Tgt Ion: 75 Resp: 2422  
 Ion Ratio Lower Upper  
 75 100  
 77 53.0 21.6 40.0#





#47

Tetrachloroethene

Concen: 2.842 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV010525.D

Acq: 27 Apr 2019 03:30

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0X17

Tgt Ion:164 Resp: 42775

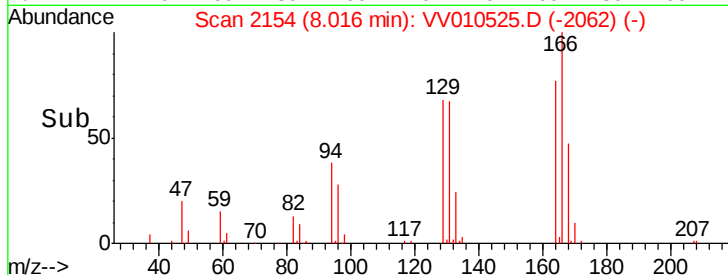
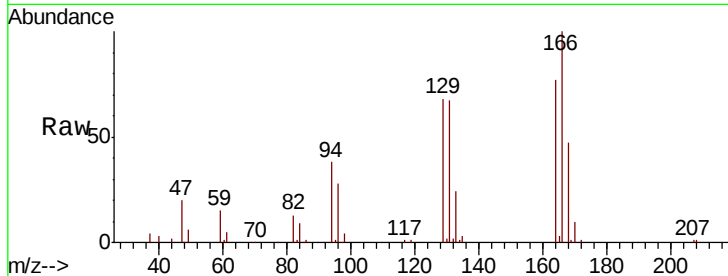
Ion Ratio Lower Upper

164 100

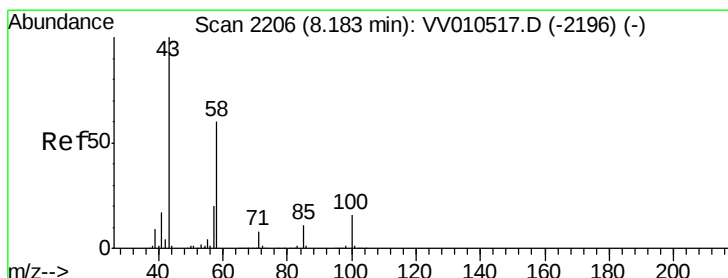
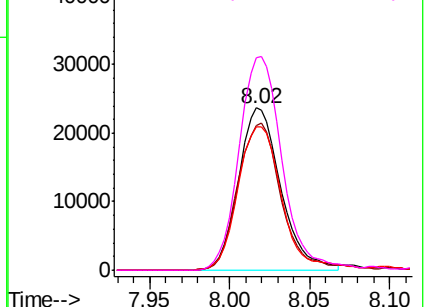
129 89.1 62.2 115.4

131 87.9 61.5 114.1

166 130.7 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



#48

2-Hexanone

Concen: 3.309 ug/L

RT: 8.13 min Scan# 2190

Delta R.T. -0.05 min

Lab File: VV010525.D

Acq: 27 Apr 2019 03:30

Tgt Ion: 43 Resp: 15629

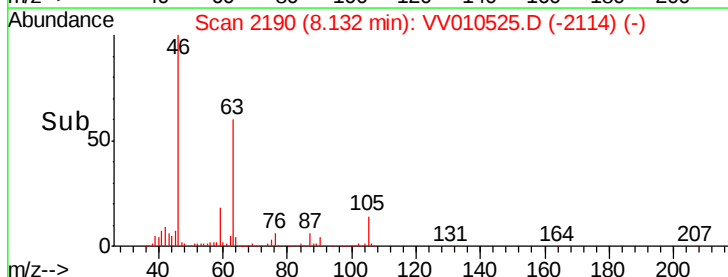
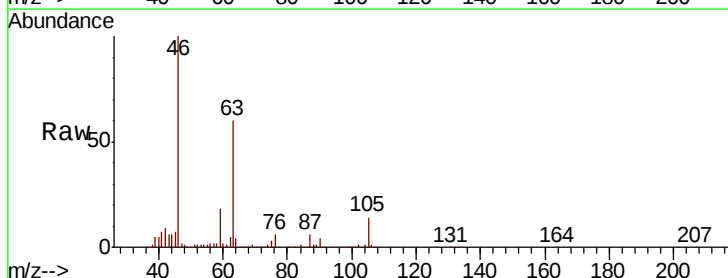
Ion Ratio Lower Upper

43 100

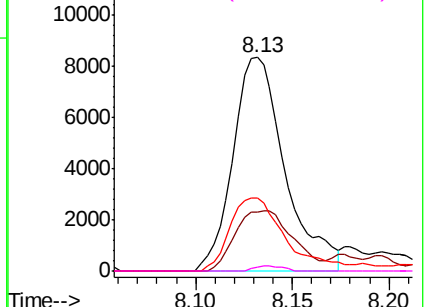
58 30.8 43.1 64.7#

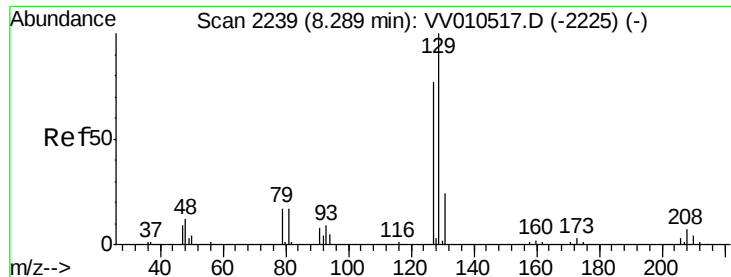
57 36.4 16.3 24.5#

100 1.3 11.8 17.8#



Abundance Ion 43.05 (42.75 to 43.75): VV0  
Ion 58.05 (57.75 to 58.75): VV0  
Ion 57.20 (56.90 to 57.90): VV0  
Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 2.718 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV010525.D

Acq: 27 Apr 2019 03:30

Instrument :

MSVOA\_V

ClientSampleId :

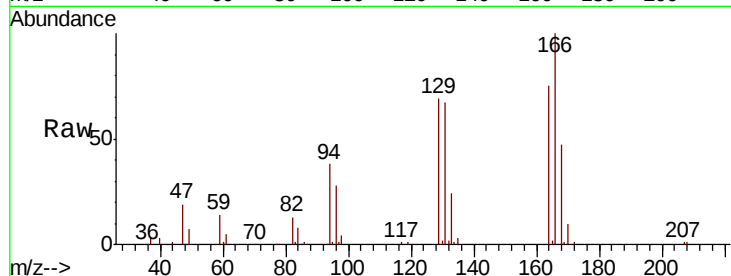
C0X17

Tgt Ion: 129 Resp: 36156

Ion Ratio Lower Upper

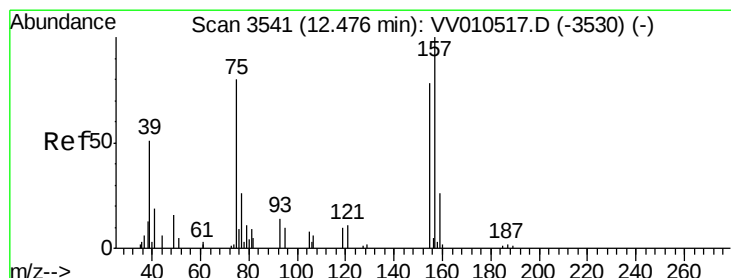
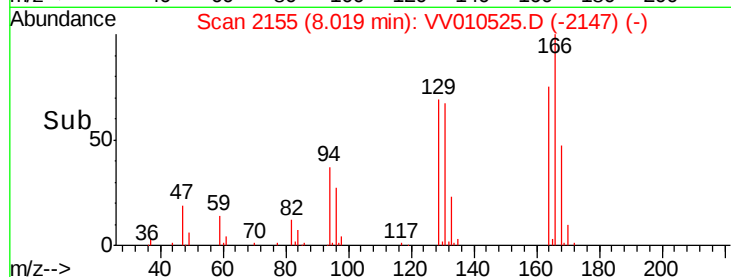
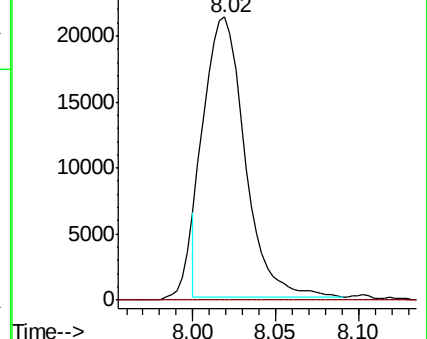
129 100

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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.088 ug/L

RT: 12.30 min Scan# 3485

Delta R.T. -0.18 min

Lab File: VV010525.D

Acq: 27 Apr 2019 03:30

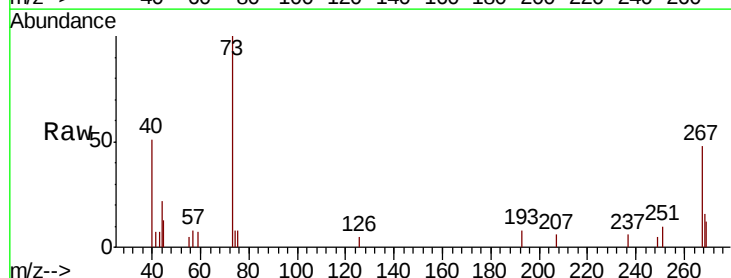
Tgt Ion: 75 Resp: 141

Ion Ratio Lower Upper

75 100

155 0.0 73.4 110.0#

157 0.0 99.4 149.2#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

