

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040319\  
 Data File : VN054923.D  
 Acq On : 3 Apr 2019 13:48  
 Operator : JC/SP  
 Sample : K2214-08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Apr 04 01:11:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032919W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 30 00:48:18 2019  
 Response via : Initial Calibration

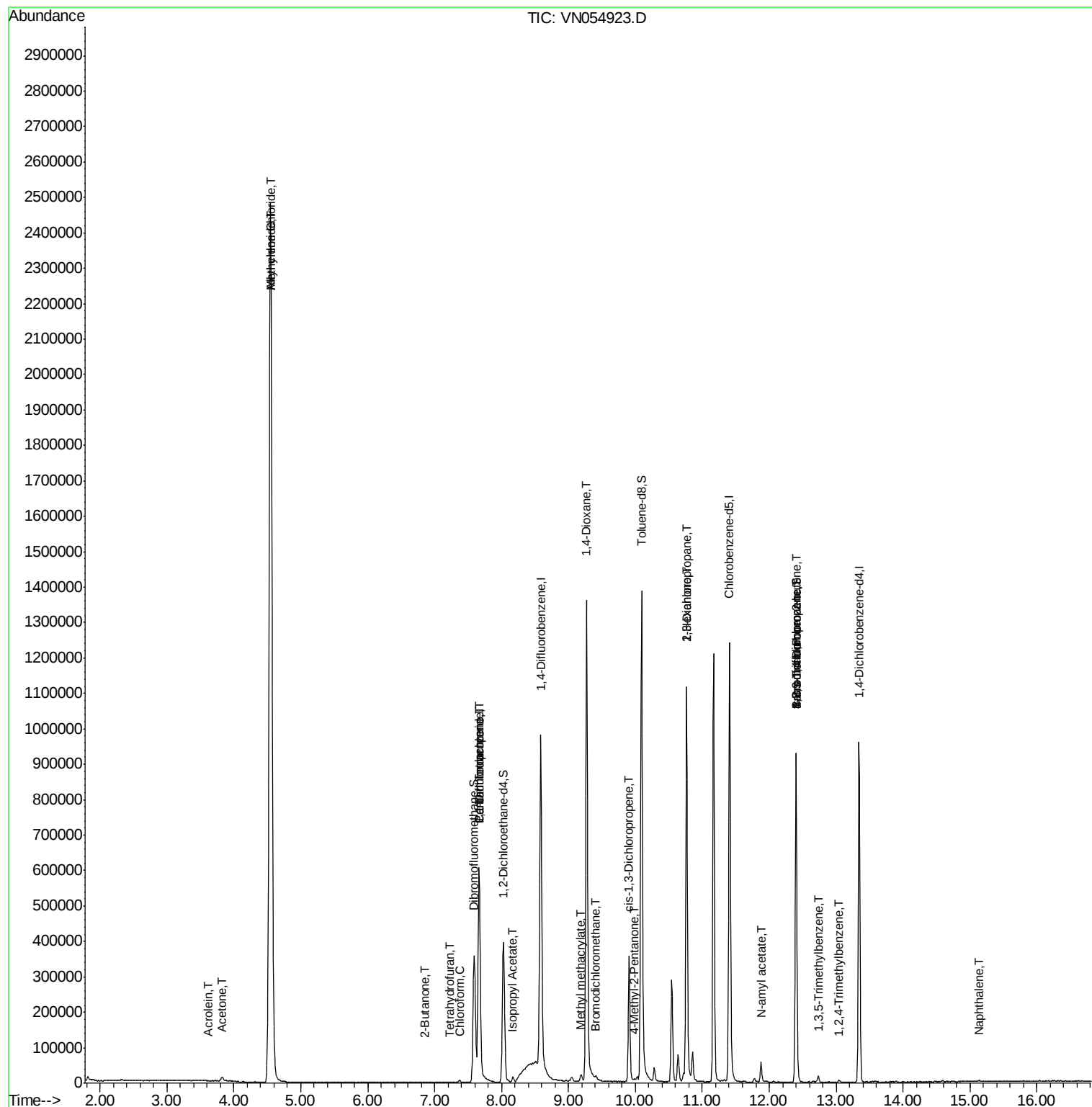
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 1) Pentafluorobenzene          | 7.67  | 168  | 519001   | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.59  | 114  | 874474   | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5           | 11.41 | 117  | 749469   | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.35 | 152  | 253284   | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds    |       |      |          |           |        |          |
| 33) 1,2-Dichloroethane-d4      | 8.03  | 65   | 346368   | 49.51     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 99.02% |          |
| 35) Dibromofluoromethane       | 7.59  | 113  | 275519   | 47.26     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 94.52% |          |
| 50) Toluene-d8                 | 10.09 | 98   | 1050404  | 48.46     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 96.92% |          |
| 62) 4-Bromofluorobenzene       | 12.40 | 95   | 320356   | 44.44     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 88.88% |          |
| Target Compounds               |       |      |          |           |        |          |
|                                |       |      |          |           | Qvalue |          |
| 5) Bromomethane                | 2.57  | 94   | 216      | Below Cal | #      | 2        |
| 13) Acrolein                   | 3.61  | 56   | 330      | 1.013     | ug/l # | 14       |
| 14) Allyl chloride             | 4.55  | 41   | 78080    | 7.770     | ug/l # | 21       |
| 16) Acetone                    | 3.82  | 43   | 17139    | 10.273    | ug/l # | 85       |
| 18) Methyl Acetate             | 4.32  | 43   | 1046     | Below Cal | #      | 87       |
| 20) Methylene Chloride         | 4.55  | 84   | 1744780  | 296.479   | ug/l # | 82       |
| 25) 2-Butanone                 | 6.84  | 43   | 798      | 0.324     | ug/l # | 46       |
| 29) Tetrahydrofuran            | 7.23  | 42   | 1133     | 0.661     | ug/l # | 58       |
| 30) Chloroform                 | 7.37  | 83   | 6218     | 0.615     | ug/l # | 83       |
| 31) Cyclohexane                | 7.67  | 56   | 12109    | Below Cal | #      | 22       |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 37939    | 4.656     | ug/l # | 48       |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 49618    | 6.269     | ug/l # | 16       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 17073    | 1.758     | ug/l # | 93       |
| 47) Bromodichloromethane       | 9.40  | 83   | 1588     | 0.204     | ug/l # | 77       |
| 48) Methyl methacrylate        | 9.18  | 41   | 7744     | 1.471     | ug/l # | 11       |
| 49) 1,4-Dioxane                | 9.27  | 88   | 90       | 1.723     | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 5457     | 1.000     | ug/l # | 54       |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 59449    | 6.807     | ug/l # | 67       |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 11507    | 1.297     | ug/l # | 43       |
| 59) 2-Hexanone                 | 10.76 | 43   | 185990   | 53.224    | ug/l # | 47       |
| 71) Bromoform                  | 12.40 | 173  | 3285     | 1.021     | ug/l # | 1        |
| 74) N-amyl acetate             | 11.88 | 43   | 19156    | 2.970     | ug/l # | 49       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.41 | 83   | 136      | Below Cal | #      | 1        |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 164313   | 37.343    | ug/l # | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 9422     | 0.555     | ug/l   | 88       |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 164313   | 145.254   | ug/l # | 11       |
| 83) tert-Butylbenzene          | 13.03 | 119  | 213      | Below Cal | #      | 31       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 3268     | 0.202     | ug/l   | 88       |
| 95) Naphthalene                | 15.13 | 128  | 3727     | 0.408     | ug/l # | 93       |

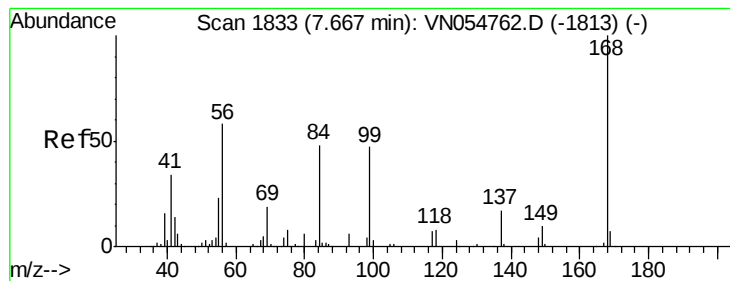
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_N  
ClientSampled :

Quant Time: Apr 04 01:11:30 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032919W.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 30 00:48:18 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054923.D

Acq: 3 Apr 2019 13:48

Instrument :

MSVOA\_N

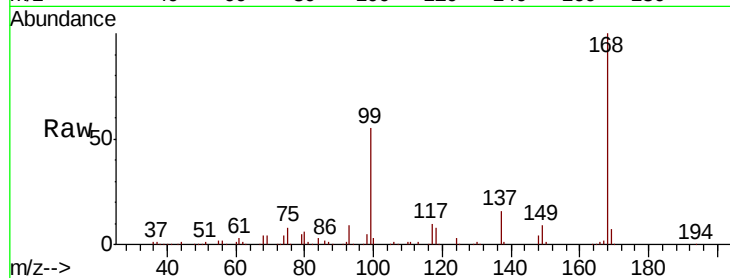
ClientSampled :

Tot Ion:168 Resp: 519001

Ion Ratio Lower Upper

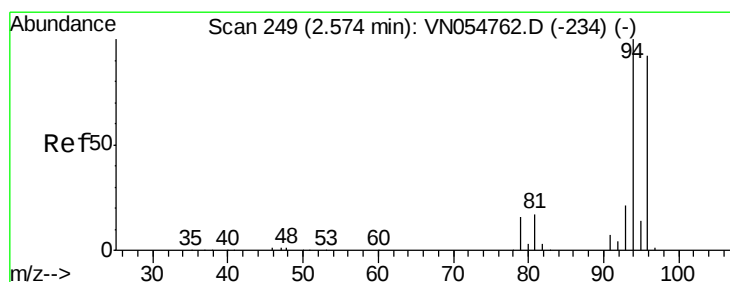
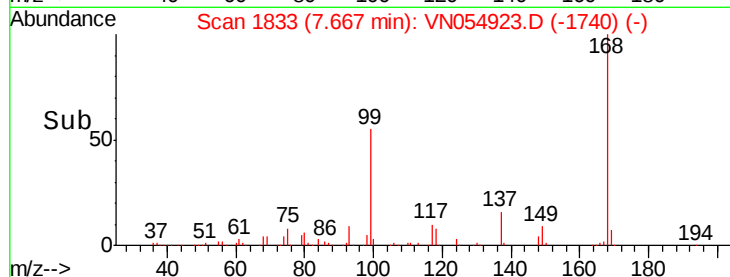
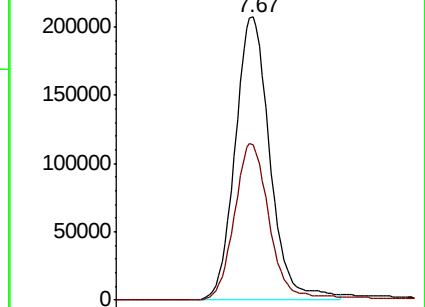
168 100

99 54.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054923.D

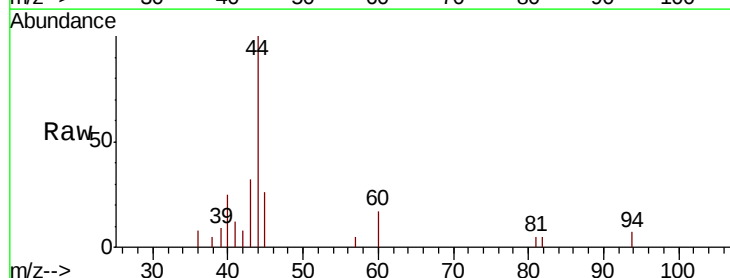
Acq: 3 Apr 2019 13:48

Tgt Ion: 94 Resp: 216

Ion Ratio Lower Upper

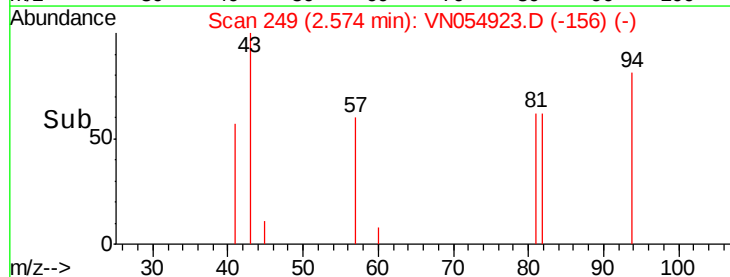
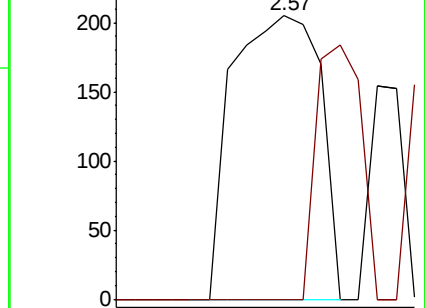
94 100

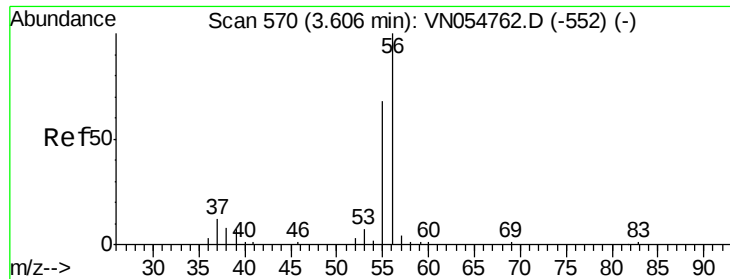
96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#13

Acrolein

Concen: 1.013 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054923.D

Acq: 3 Apr 2019 13:48

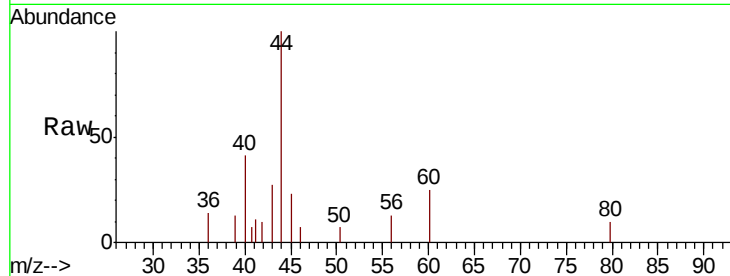
Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 56 Resp: 330

Ion Ratio Lower Upper

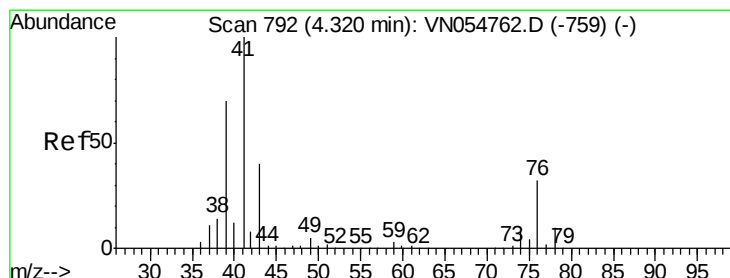
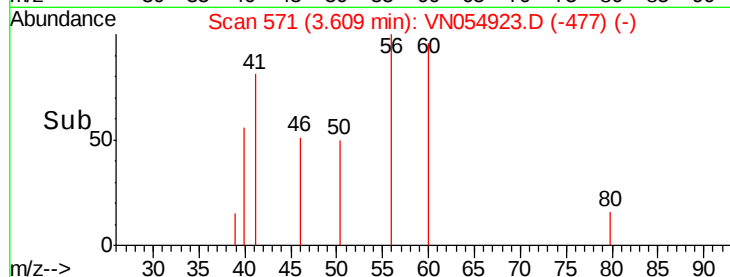
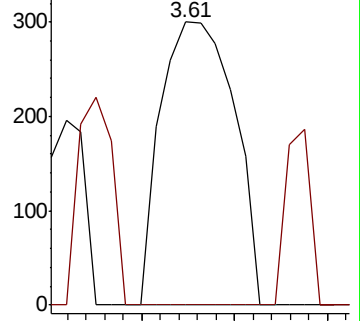
56 100

55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 7.770 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.23 min

Lab File: VN054923.D

Acq: 3 Apr 2019 13:48

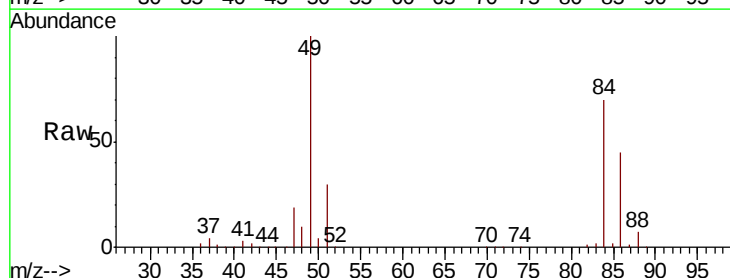
Tgt Ion: 41 Resp: 78080

Ion Ratio Lower Upper

41 100

39 0.5 58.2 87.4#

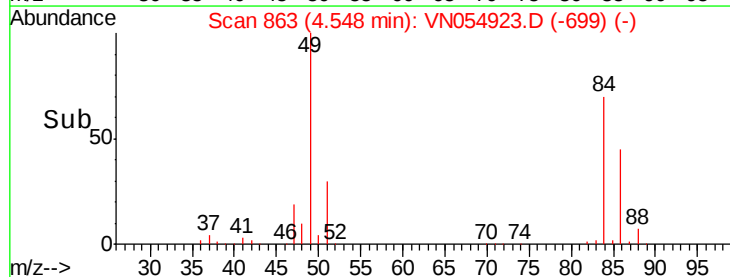
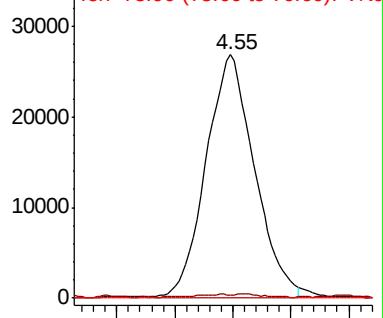
76 0.0 31.7 47.5#

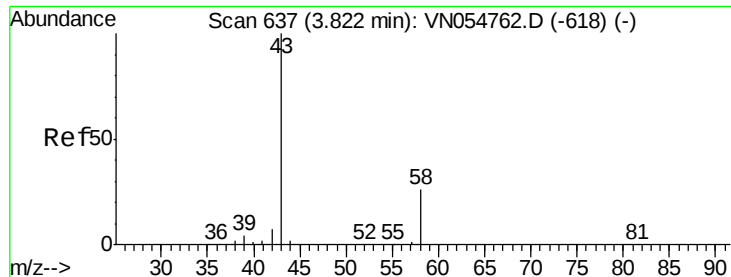


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

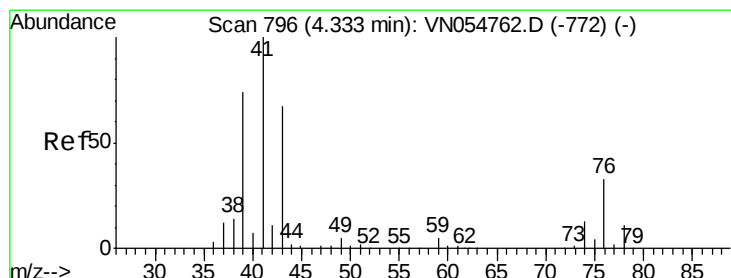
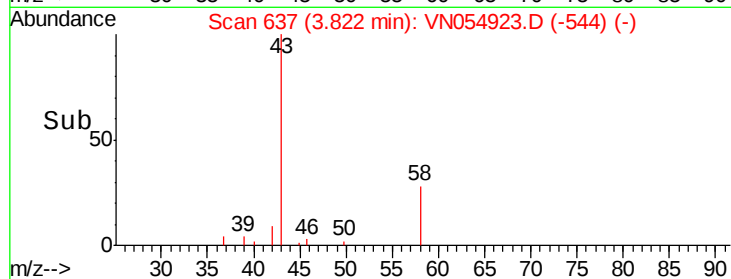
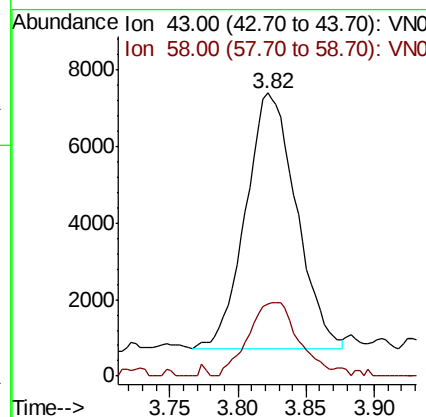
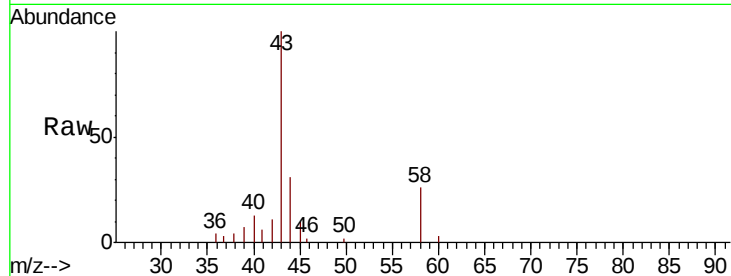




#16  
 Acetone  
 Concen: 10.273 ug/l  
 RT: 3.82 min Scan# 637  
 Delta R.T. 0.00 min  
 Lab File: VN054923.D  
 Acq: 3 Apr 2019 13:48

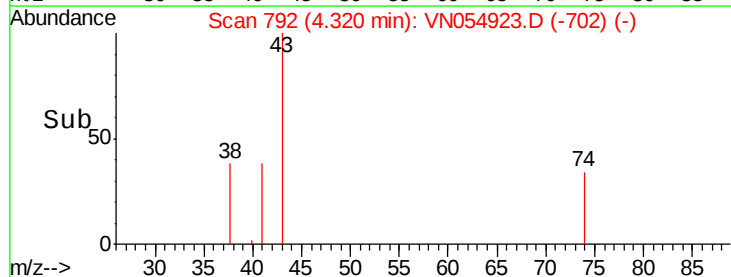
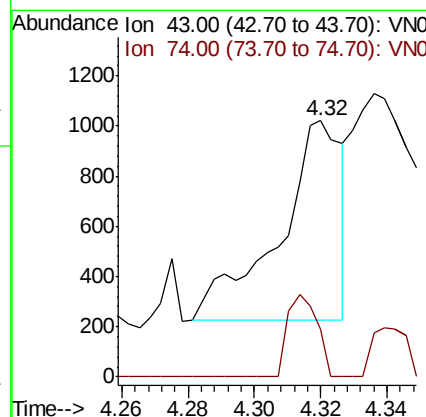
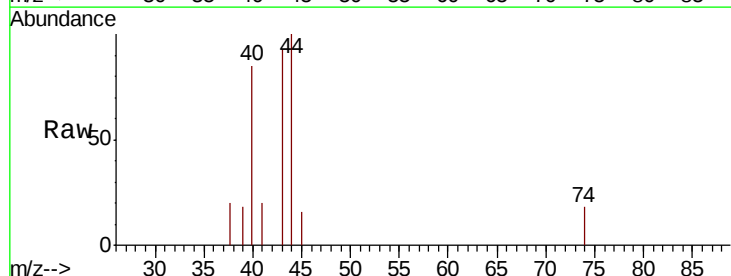
Instrument :  
 MSVOA\_N  
 ClientSampled :

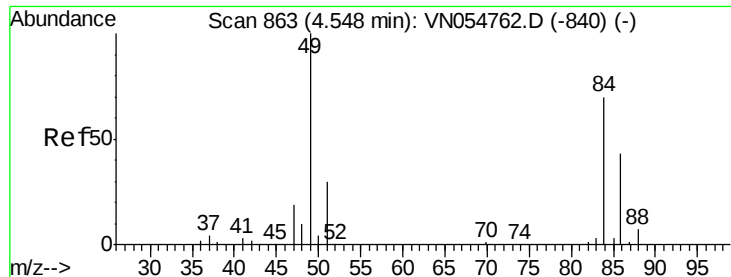
Tot Ion: 43 Resp: 17139  
 Ion Ratio Lower Upper  
 43 100  
 58 28.4 29.9 44.9#



#18  
 Methyl Acetate  
 Concen: Below Cal  
 RT: 4.32 min Scan# 792  
 Delta R.T. -0.01 min  
 Lab File: VN054923.D  
 Acq: 3 Apr 2019 13:48

Tgt Ion: 43 Resp: 1046  
 Ion Ratio Lower Upper  
 43 100  
 74 19.6 20.8 31.2#



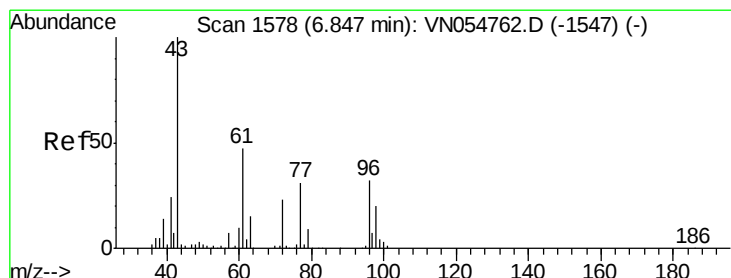
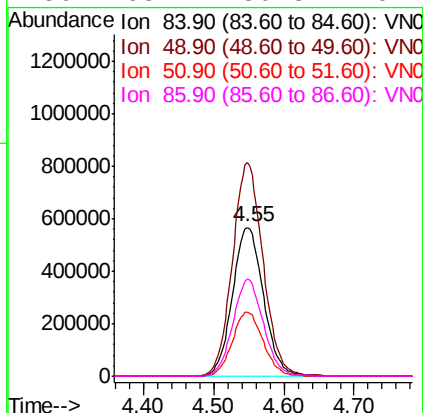
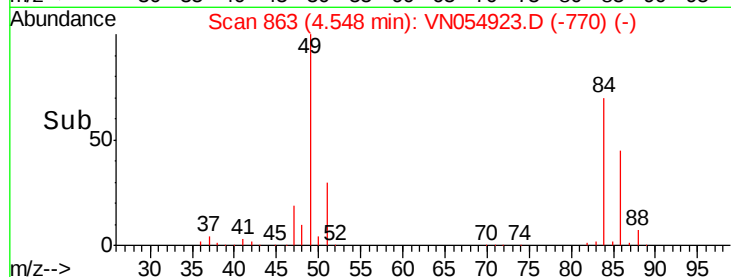
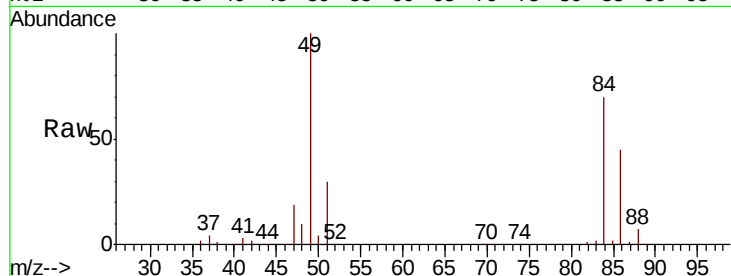


#20  
Methylene Chloride  
Concen: 296.479 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VN054923.D  
Acq: 3 Apr 2019 13:48

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 84 Resp: 1744780

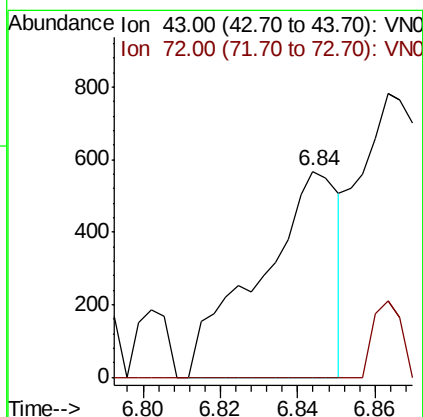
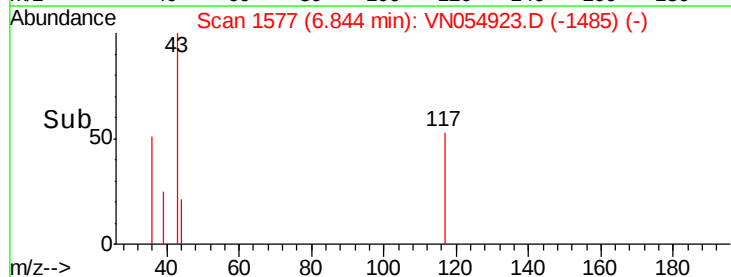
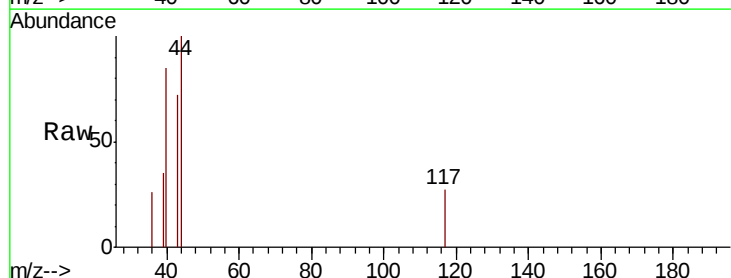
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 143.3 | 89.7  | 134.5# |
| 51  | 43.0  | 28.2  | 42.4#  |
| 86  | 65.2  | 50.8  | 76.2   |

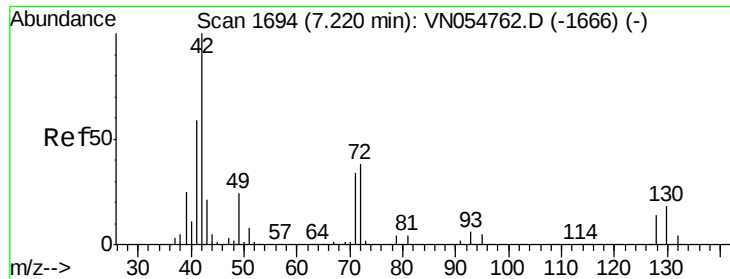


#25  
2-Butanone  
Concen: 0.324 ug/l  
RT: 6.84 min Scan# 1577  
Delta R.T. -0.00 min  
Lab File: VN054923.D  
Acq: 3 Apr 2019 13:48

Tgt Ion: 43 Resp: 798

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 0.0   | 23.0  | 34.6# |

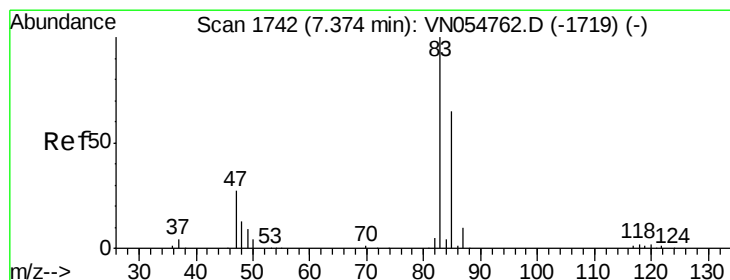
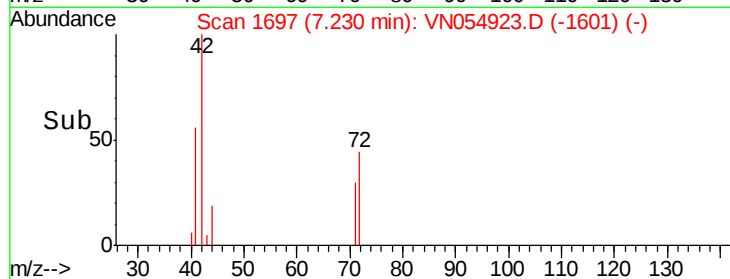
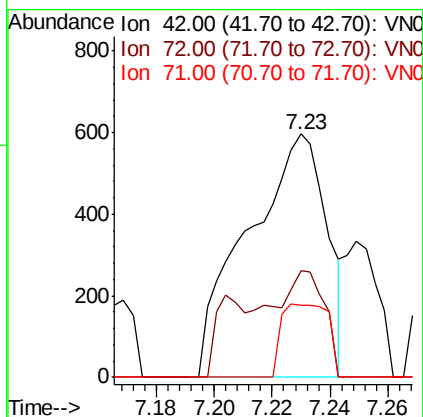
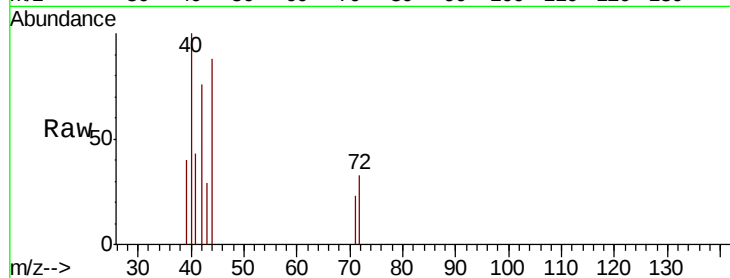




#29  
Tetrahydrofuran  
Concen: 0.661 ug/l  
RT: 7.23 min Scan# 1697  
Delta R.T. 0.01 min  
Lab File: VN054923.D  
Acq: 3 Apr 2019 13:48

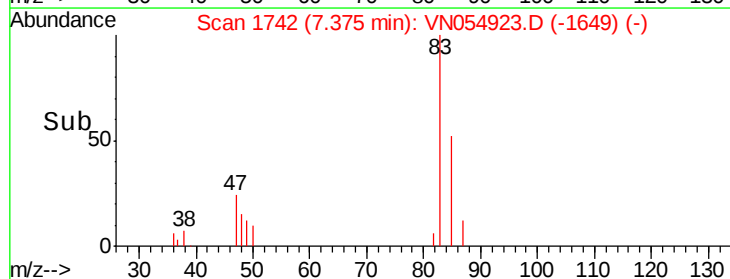
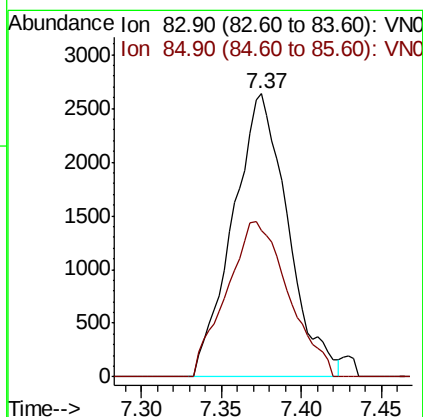
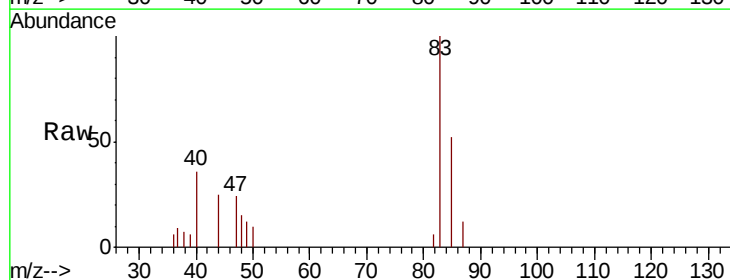
Instrument :  
MSVOA\_N  
ClientSampled :

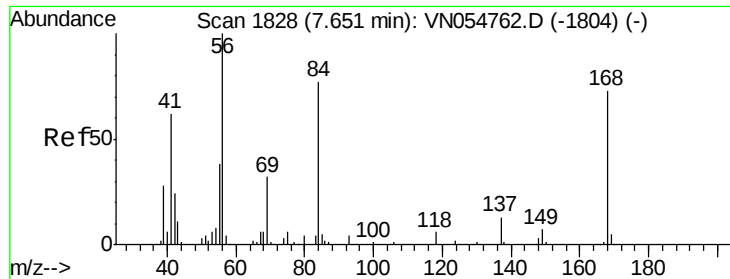
Tot Ion: 42 Resp: 1133  
Ion Ratio Lower Upper  
42 100  
72 18.7 37.8 56.6#  
71 17.5 36.2 54.2#



#30  
Chloroform  
Concen: 0.615 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN054923.D  
Acq: 3 Apr 2019 13:48

Tgt Ion: 83 Resp: 6218  
Ion Ratio Lower Upper  
83 100  
85 51.8 52.2 78.4#

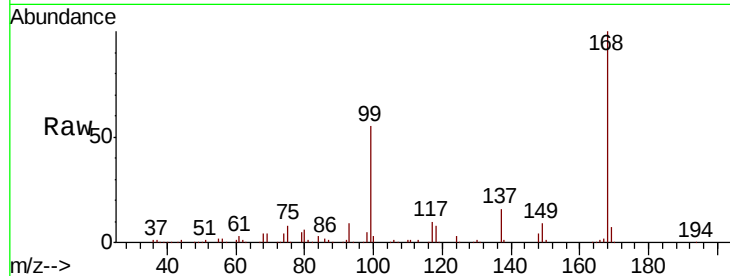




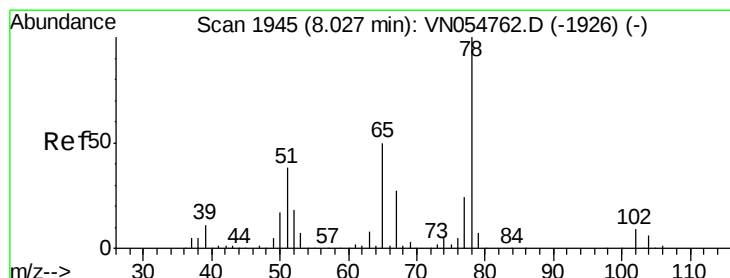
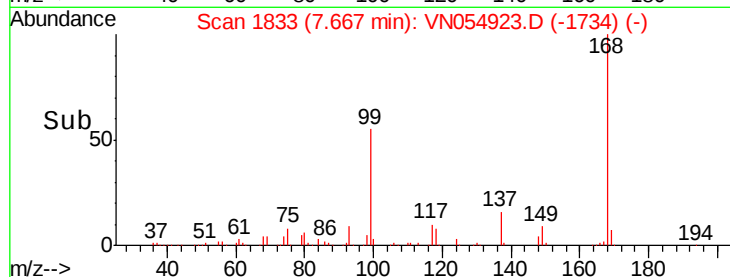
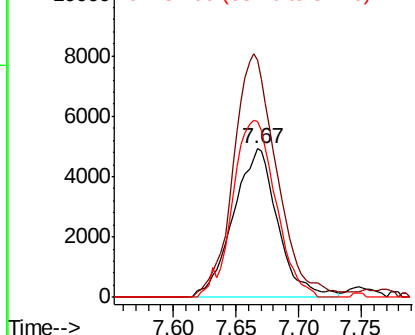
#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.67 min Scan# 1833  
Delta R.T. 0.02 min  
Lab File: VN054923.D  
Acq: 3 Apr 2019 13:48

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 56 Resp: 12109  
Ion Ratio Lower Upper  
56 100  
69 160.1 27.8 41.6#  
84 118.2 74.6 111.8#

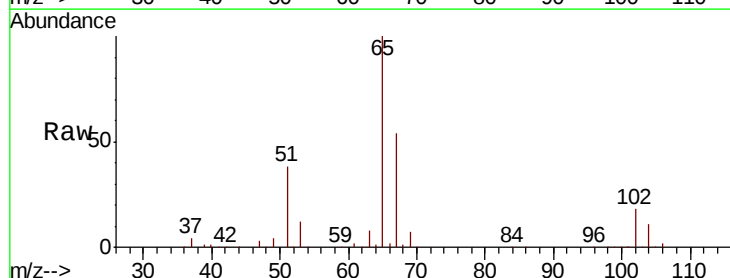


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

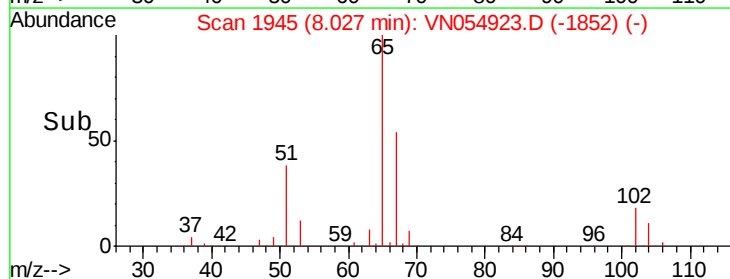
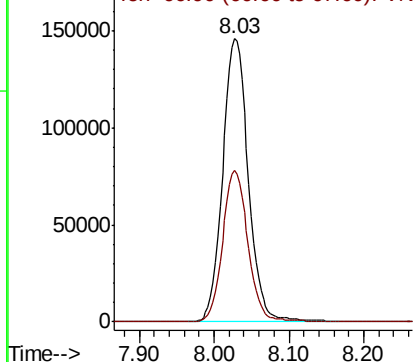


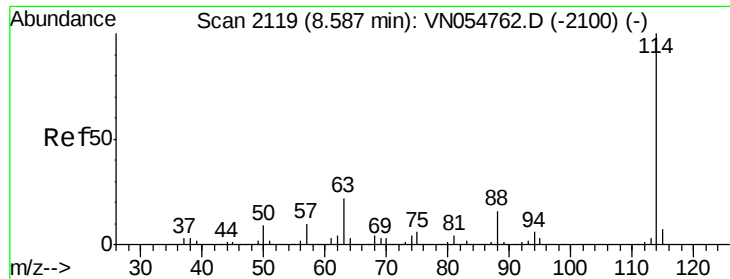
#33  
1,2-Dichloroethane-d4  
Concen: 49.508 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN054923.D  
Acq: 3 Apr 2019 13:48

Tgt Ion: 65 Resp: 346368  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0  
Ion 66.90 (66.60 to 67.60): VN0

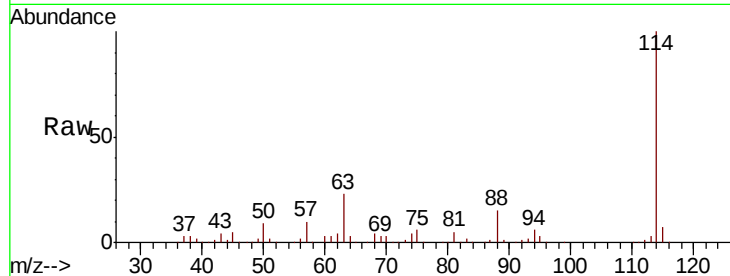




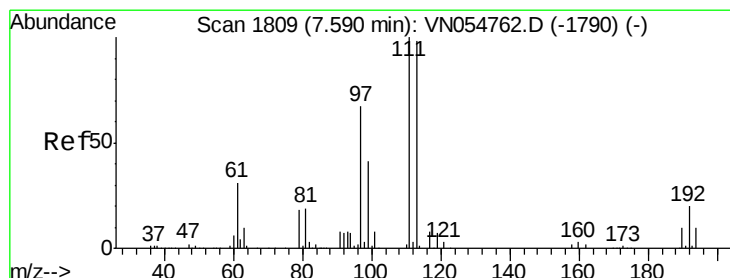
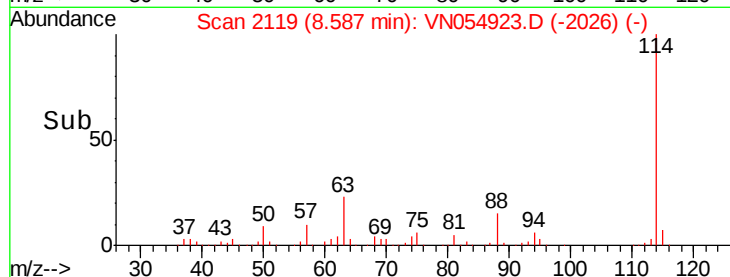
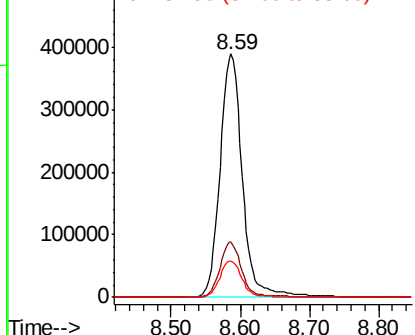
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN054923.D  
 Acq: 3 Apr 2019 13:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion:114 Resp: 874474  
 Ion Ratio Lower Upper  
 114 100  
 63 22.6 0.0 35.2  
 88 15.0 0.0 30.2

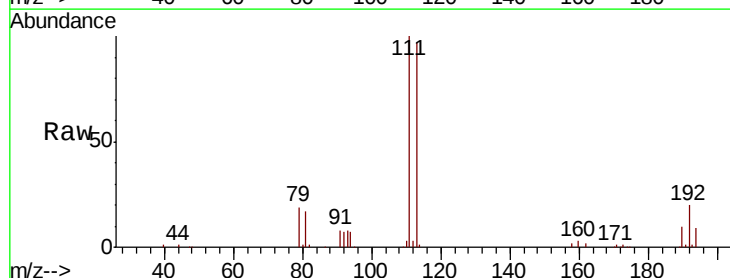


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

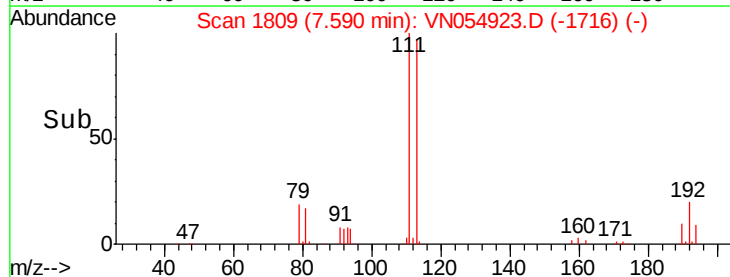
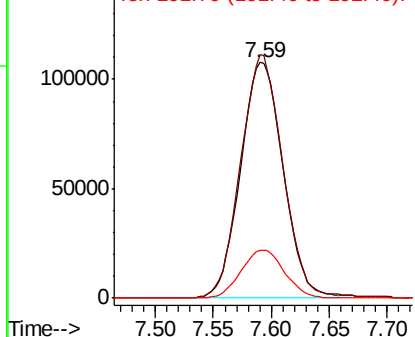


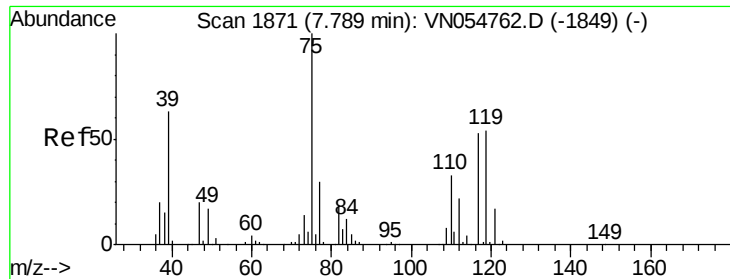
#35  
 Dibromofluoromethane  
 Concen: 47.259 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN054923.D  
 Acq: 3 Apr 2019 13:48

Tgt Ion:113 Resp: 275519  
 Ion Ratio Lower Upper  
 113 100  
 111 102.9 82.2 123.4  
 192 20.8 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

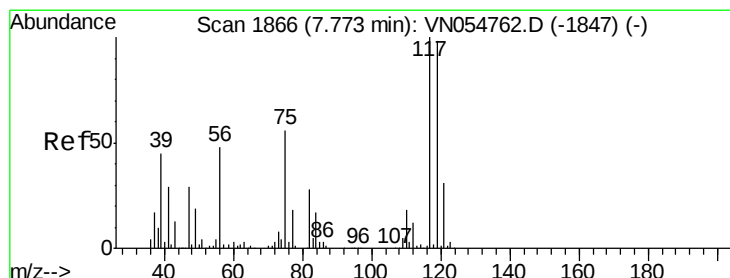
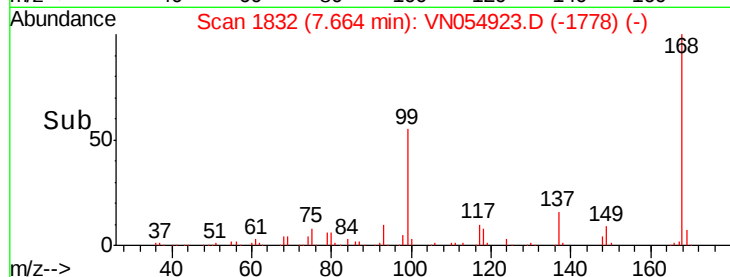
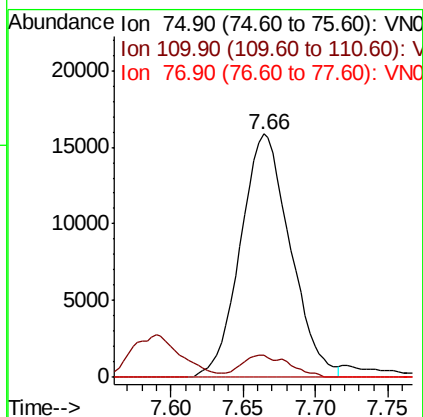
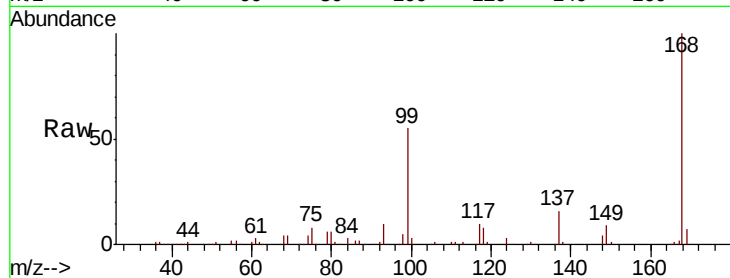




#36  
 1,1-Dichloropropene  
 Concen: 4.656 ug/l  
 RT: 7.66 min Scan# 1832  
 Delta R.T. -0.13 min  
 Lab File: VN054923.D  
 Acq: 3 Apr 2019 13:48

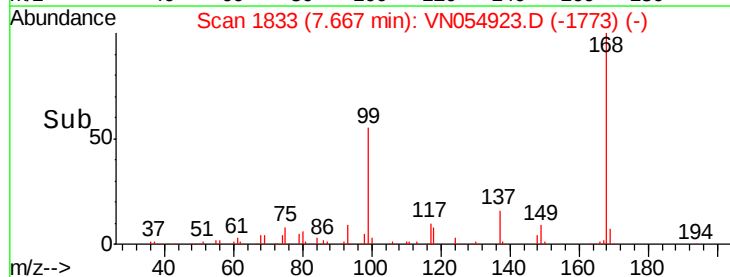
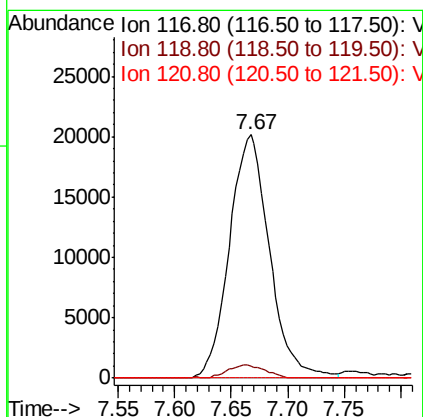
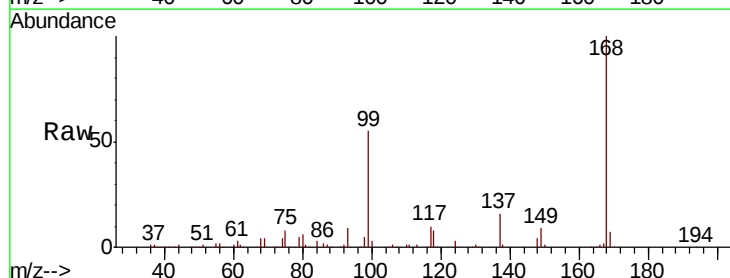
Instrument :  
 MSVOA\_N  
 ClientSampleId :

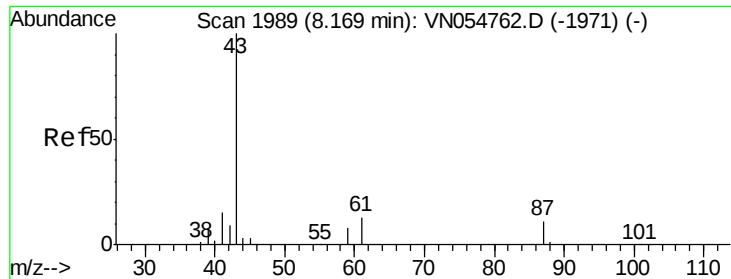
Tot Ion: 75 Resp: 37939  
 Ion Ratio Lower Upper  
 75 100  
 110 8.8 19.1 57.5#  
 77 0.0 25.0 37.4#



#38  
 Carbon Tetrachloride  
 Concen: 6.269 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.11 min  
 Lab File: VN054923.D  
 Acq: 3 Apr 2019 13:48

Tgt Ion: 117 Resp: 49618  
 Ion Ratio Lower Upper  
 117 100  
 119 4.8 76.3 114.5#  
 121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 1.758 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054923.D

Acq: 3 Apr 2019 13:48

Instrument :

MSVOA\_N

ClientSampleId :

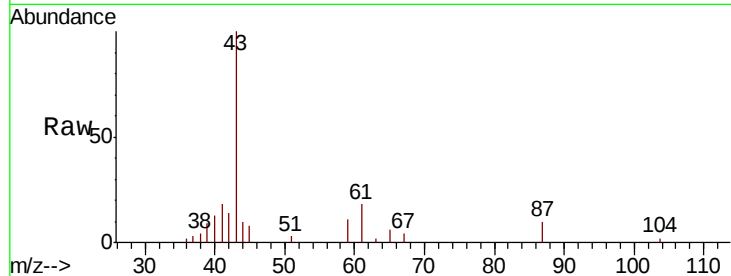
Tot Ion: 43 Resp: 17073

Ion Ratio Lower Upper

43 100

61 17.1 15.8 23.8

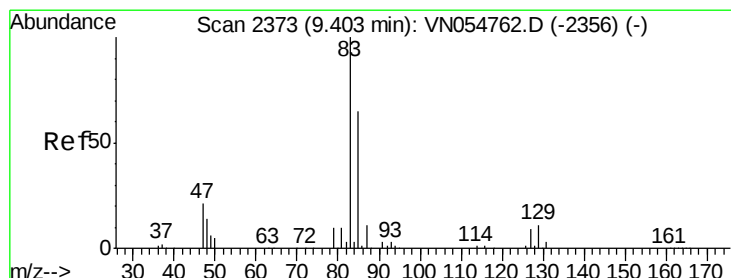
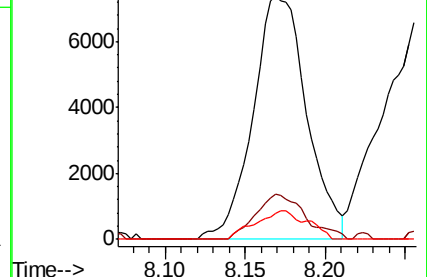
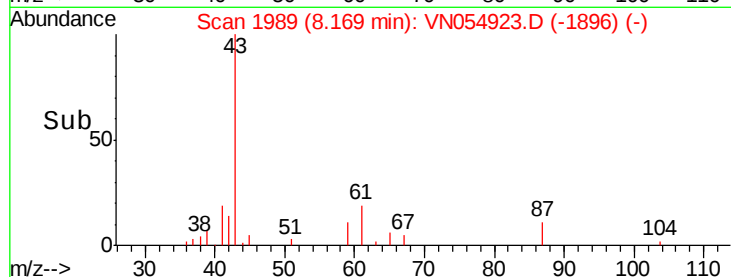
87 11.3 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054923.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054923.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054923.D (-1896) (-)



#47

Bromodichloromethane

Concen: 0.204 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.01 min

Lab File: VN054923.D

Acq: 3 Apr 2019 13:48

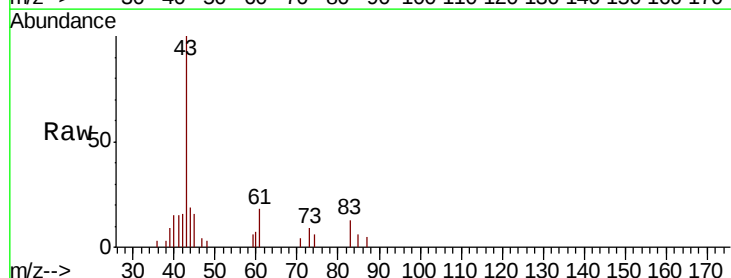
Tgt Ion: 83 Resp: 1588

Ion Ratio Lower Upper

83 100

85 48.1 52.8 79.2#

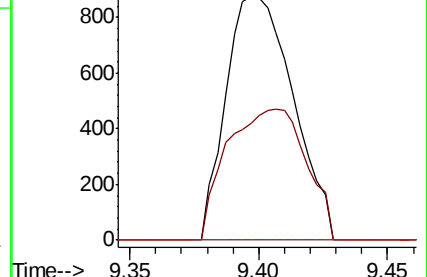
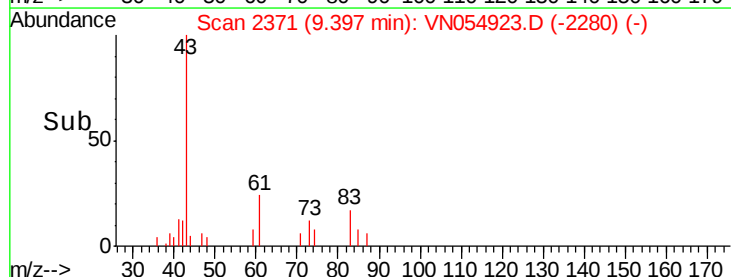
127 0.0 7.4 11.2#

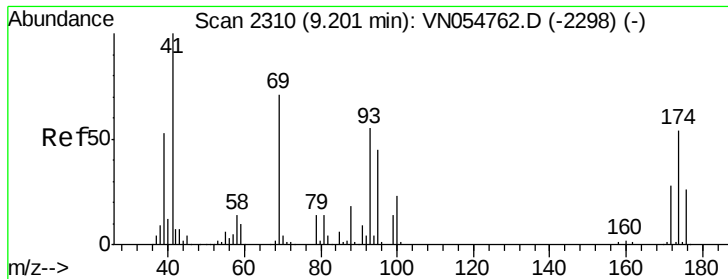


Abundance Ion 82.90 (82.60 to 83.60): VN054923.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054923.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054923.D (-2280) (-)

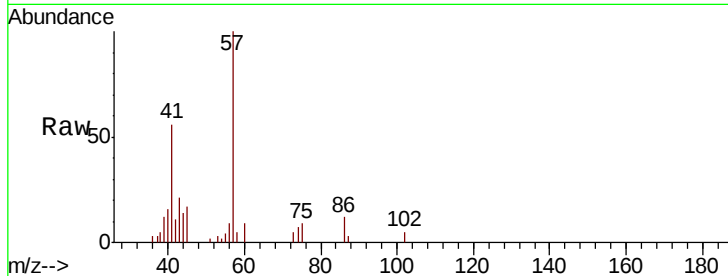




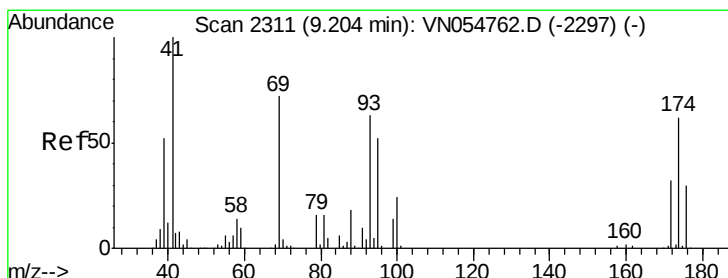
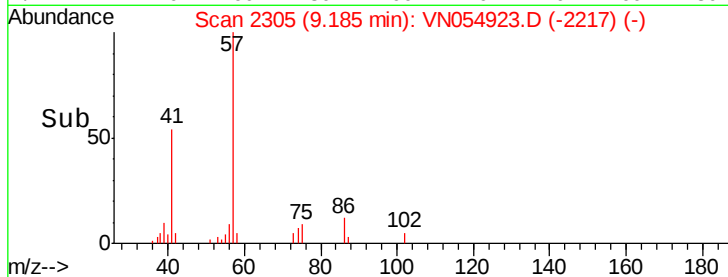
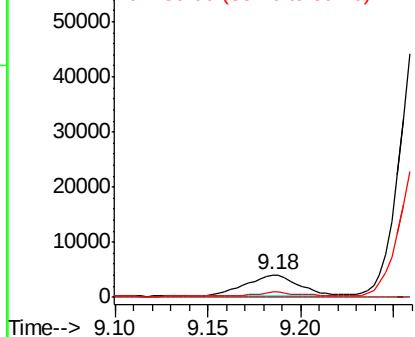
#48  
Methvl methacrylate  
Concen: 1.471 ug/l  
RT: 9.18 min Scan# 2305  
Delta R.T. -0.02 min  
Lab File: VN054923.D  
Acq: 3 Apr 2019 13:48

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 41 Resp: 7744  
Ion Ratio Lower Upper  
41 100  
69 0.0 72.6 108.8#  
39 0.0 47.5 71.3#

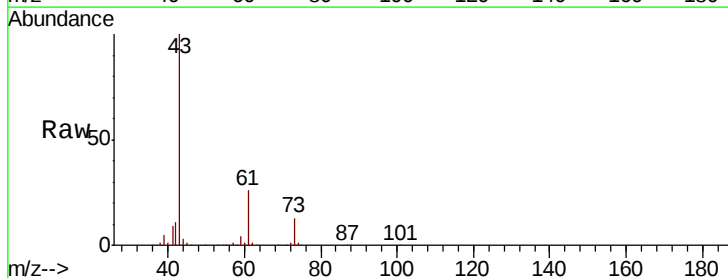


Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO

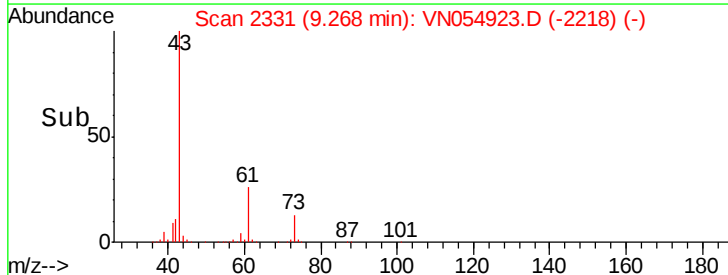
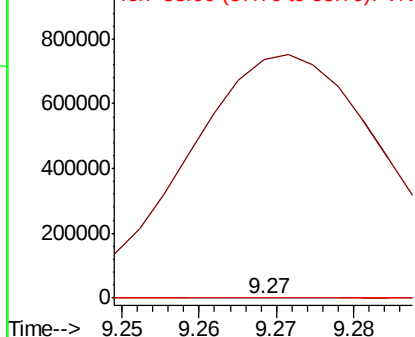


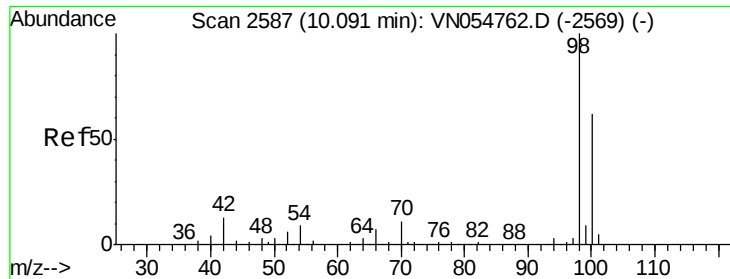
#49  
1,4-Dioxane  
Concen: 1.723 ug/l  
RT: 9.27 min Scan# 2331  
Delta R.T. 0.06 min  
Lab File: VN054923.D  
Acq: 3 Apr 2019 13:48

Tgt Ion: 88 Resp: 90  
Ion Ratio Lower Upper  
88 100  
43 1650165.6 24.1 36.1#  
58 7116.7 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VNO  
Ion 43.00 (42.70 to 43.70): VNO  
Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 48.462 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054923.D

Acq: 3 Apr 2019 13:48

Instrument :

MSVOA\_N

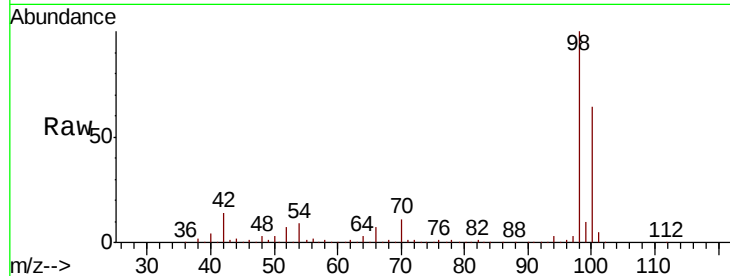
ClientSampleId :

Tot Ion: 98 Resp: 1050404

Ion Ratio Lower Upper

98 100

100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054762.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054762.D (-2569) (-)

10.09

600000

500000

400000

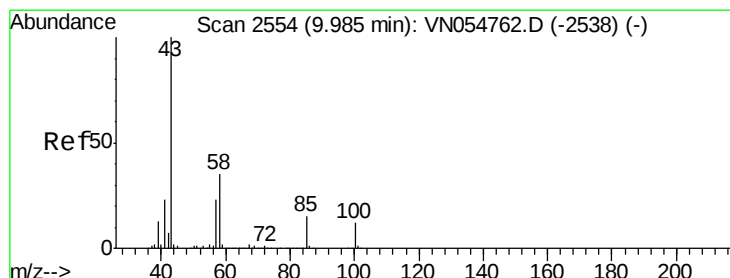
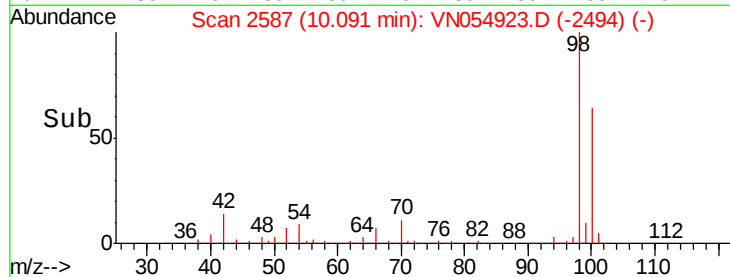
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.000 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054923.D

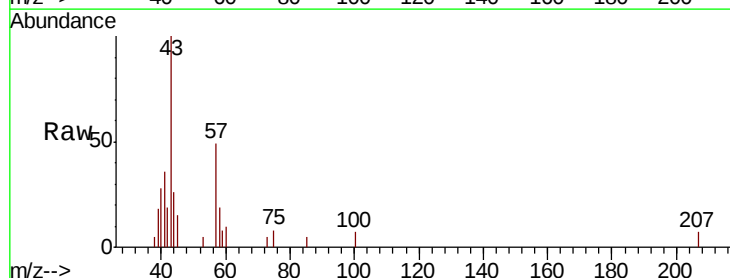
Acq: 3 Apr 2019 13:48

Tgt Ion: 43 Resp: 5457

Ion Ratio Lower Upper

43 100

58 11.3 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2538) (-)

9.99

6000

5000

4000

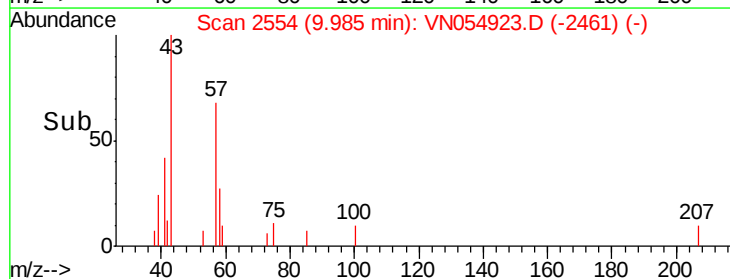
3000

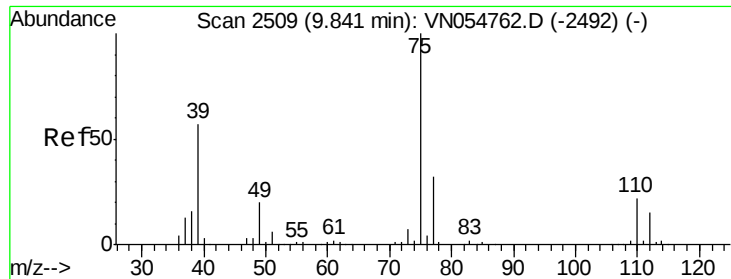
2000

1000

0

Time-->



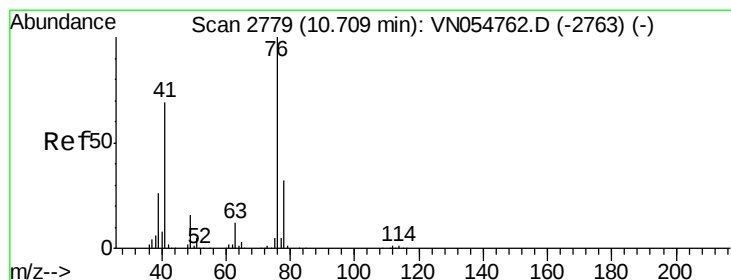
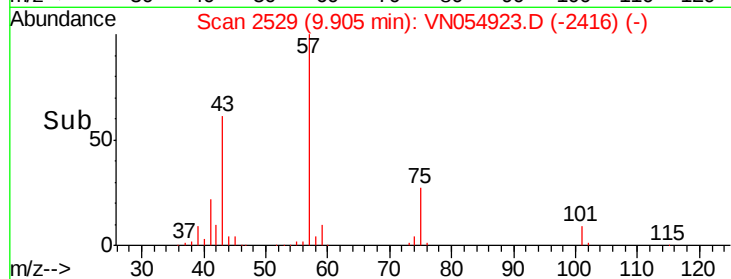
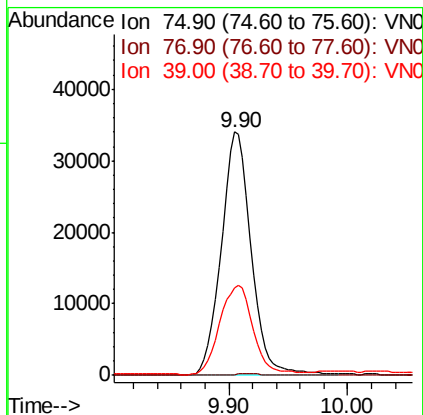
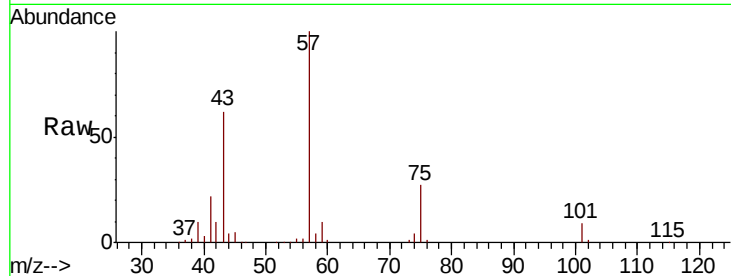


#54

cis-1,3-Dichloropropene  
 Concen: 6.807 ug/l  
 RT: 9.90 min Scan# 2529  
 Delta R.T. 0.06 min  
 Lab File: VN054923.D  
 Acq: 3 Apr 2019 13:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :

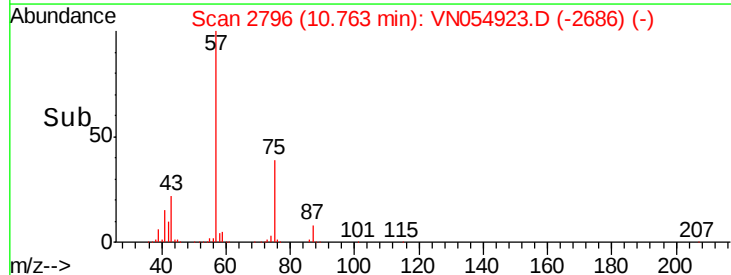
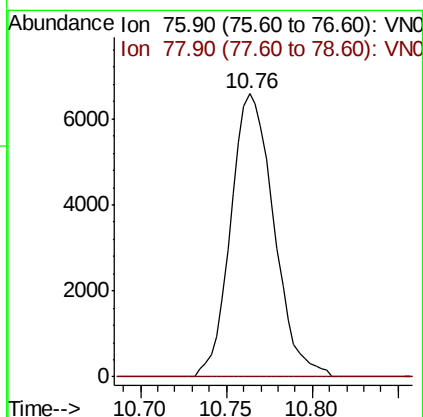
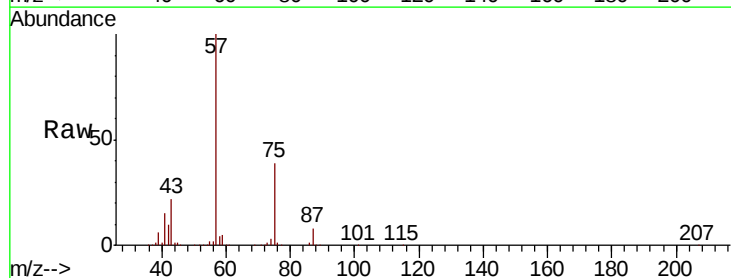
Tot Ion: 75 Resp: 59449  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 25.4 38.0#  
 39 35.9 37.2 55.8#

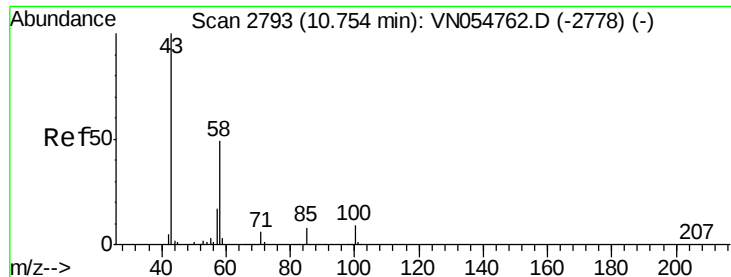


#57

1,3-Dichloropropane  
 Concen: 1.297 ug/l  
 RT: 10.76 min Scan# 2796  
 Delta R.T. 0.05 min  
 Lab File: VN054923.D  
 Acq: 3 Apr 2019 13:48

Tgt Ion: 76 Resp: 11507  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 25.7 38.5#

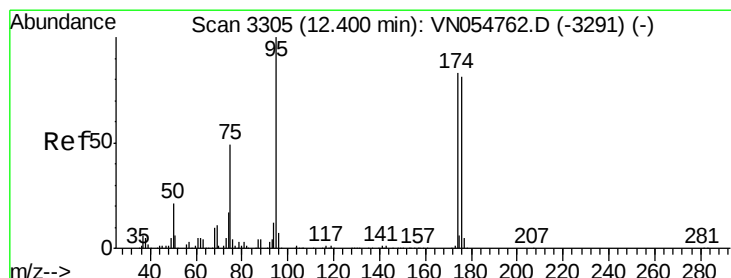
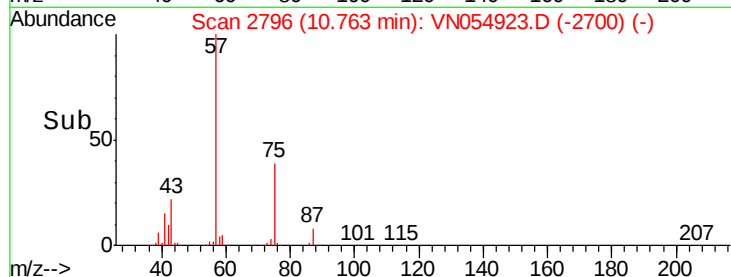
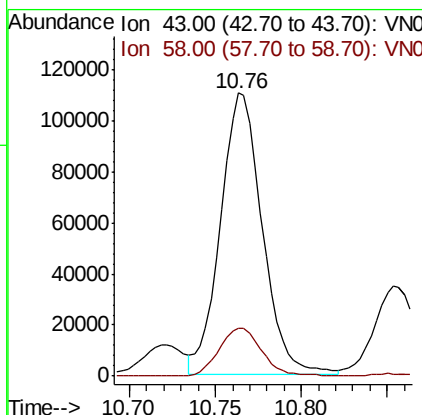
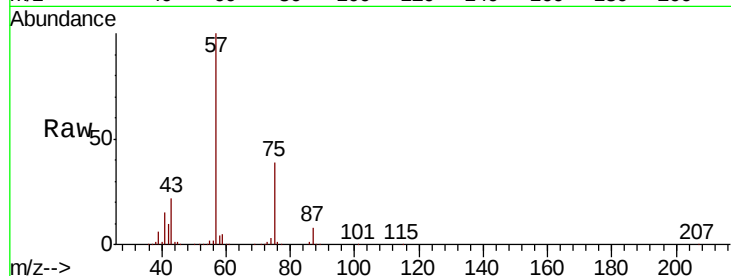




#59  
2-Hexanone  
Concen: 53.224 ug/l  
RT: 10.76 min Scan# 2796  
Delta R.T. 0.01 min  
Lab File: VN054923.D  
Acq: 3 Apr 2019 13:48

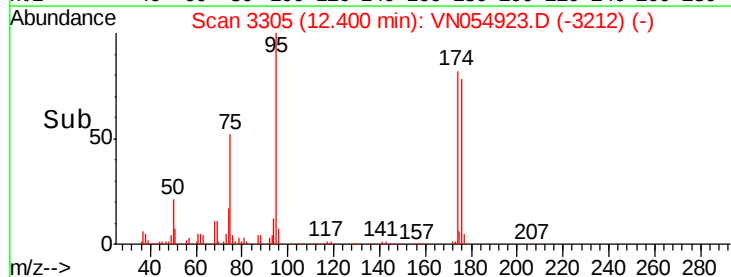
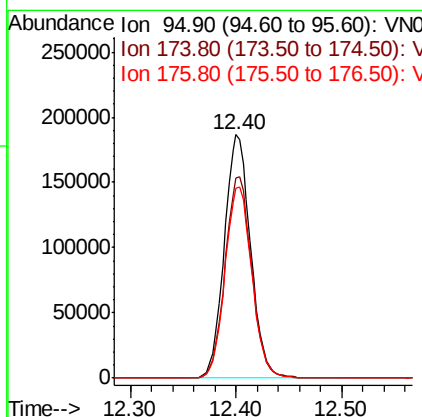
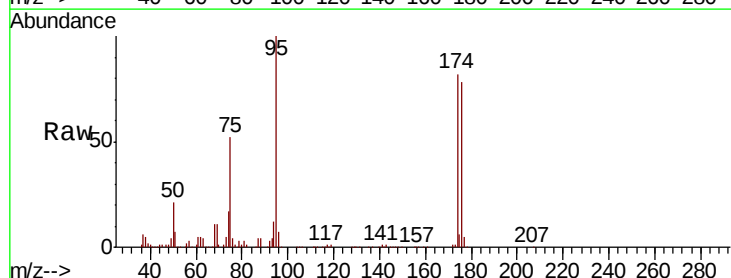
Instrument :  
MSVOA\_N  
ClientSampled :

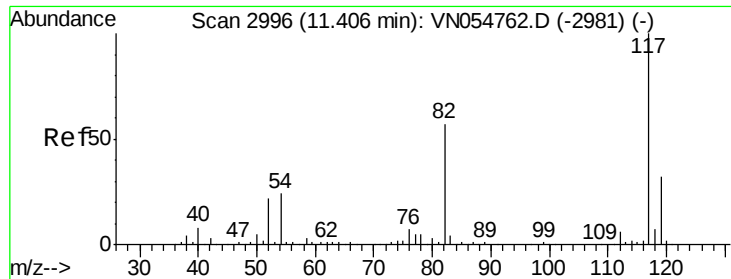
Tot Ion: 43 Resp: 185990  
Ion Ratio Lower Upper  
43 100  
58 17.6 28.0 83.9#



#62  
4-Bromofluorobenzene  
Concen: 44.441 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN054923.D  
Acq: 3 Apr 2019 13:48

Tgt Ion: 95 Resp: 320356  
Ion Ratio Lower Upper  
95 100  
174 83.8 0.0 191.0  
176 80.3 0.0 187.4

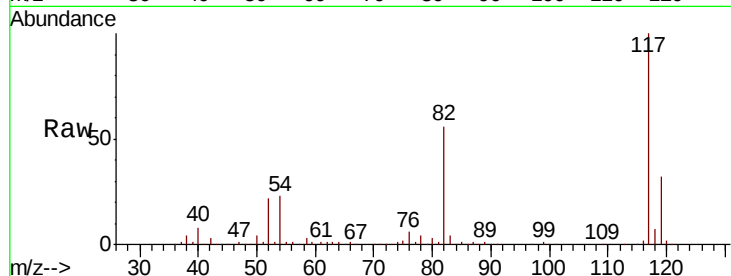




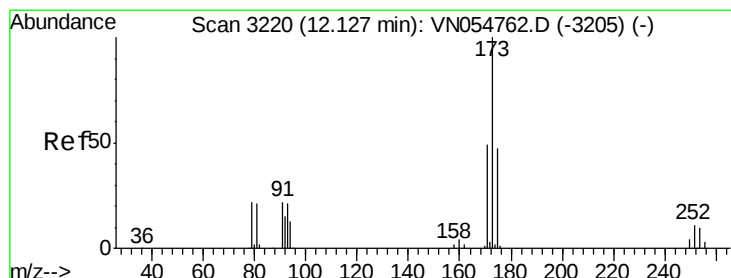
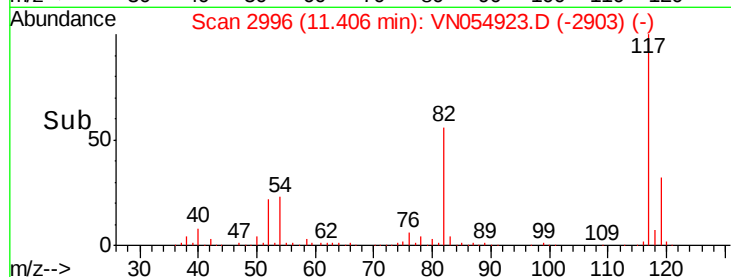
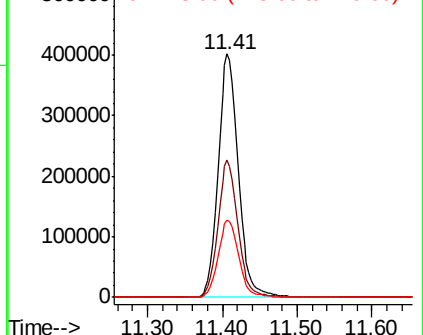
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN054923.D  
Acq: 3 Apr 2019 13:48

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:117 Resp: 749469  
Ion Ratio Lower Upper  
117 100  
82 56.2 40.0 60.0  
119 31.8 25.8 38.6

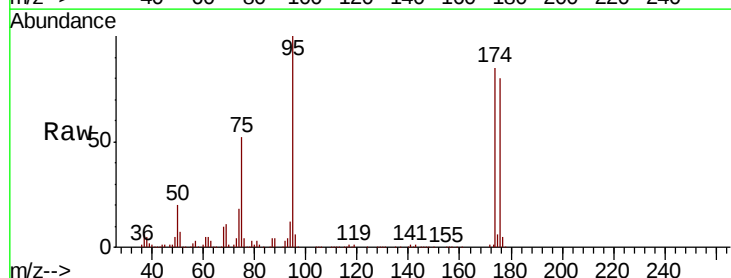


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VN  
Ion 118.90 (118.60 to 119.60): V

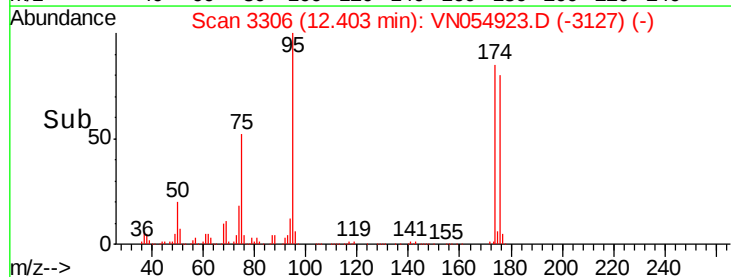
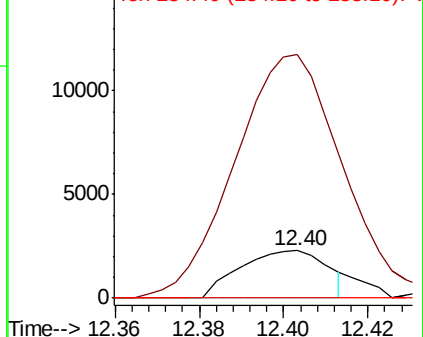


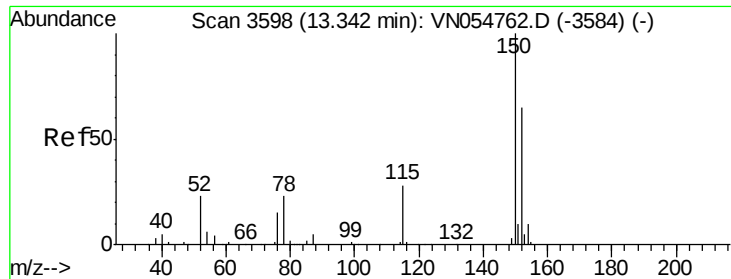
#71  
Bromoform  
Concen: 1.021 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.28 min  
Lab File: VN054923.D  
Acq: 3 Apr 2019 13:48

Tgt Ion:173 Resp: 3285  
Ion Ratio Lower Upper  
173 100  
175 550.8 24.4 73.2#  
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054923.D

Acq: 3 Apr 2019 13:48

Instrument :

MSVOA\_N

ClientSampleId :

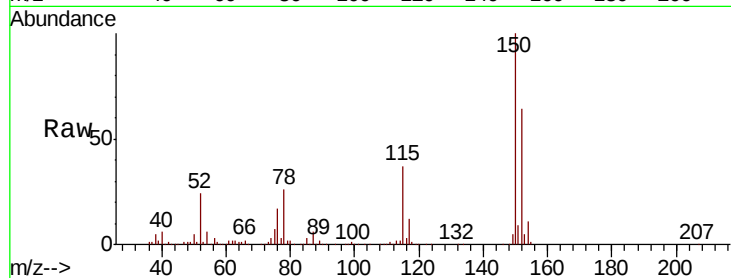
Tot Ion:152 Resp: 253284

Ion Ratio Lower Upper

152 100

115 58.9 27.2 81.6

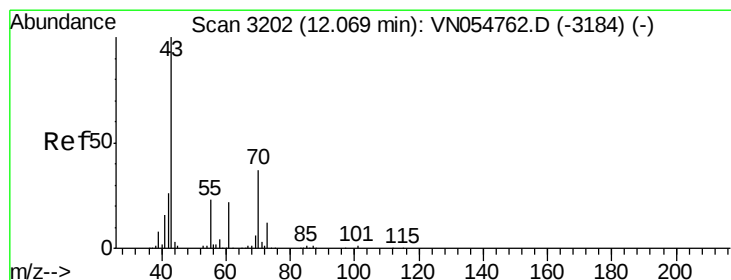
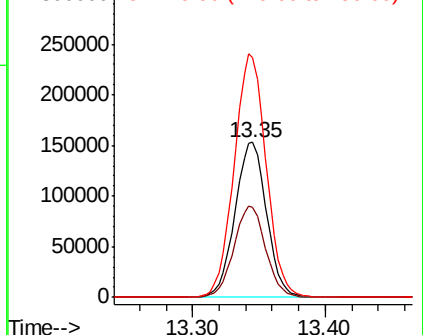
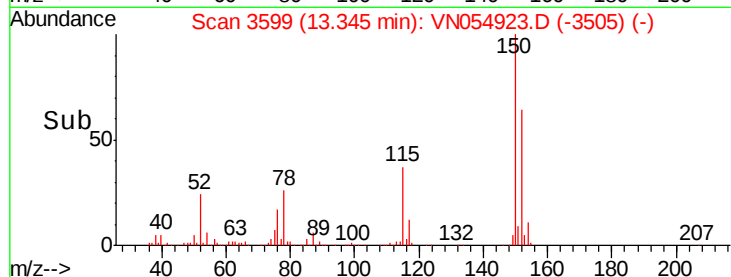
150 159.2 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 2.970 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN054923.D

Acq: 3 Apr 2019 13:48

Tgt Ion: 43 Resp: 19156

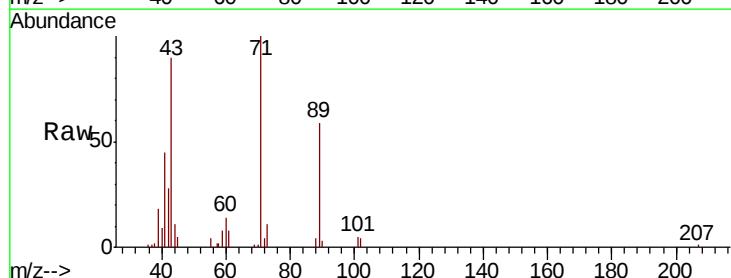
Ion Ratio Lower Upper

43 100

70 0.6 35.4 53.0#

55 4.3 19.8 29.6#

61 9.0 19.8 29.6#

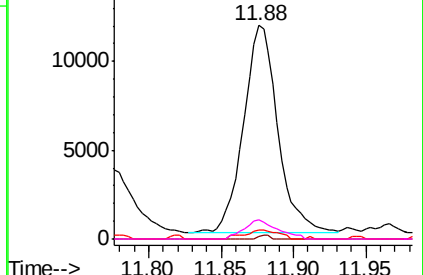
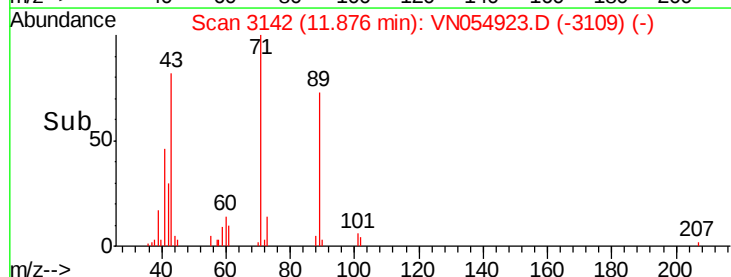


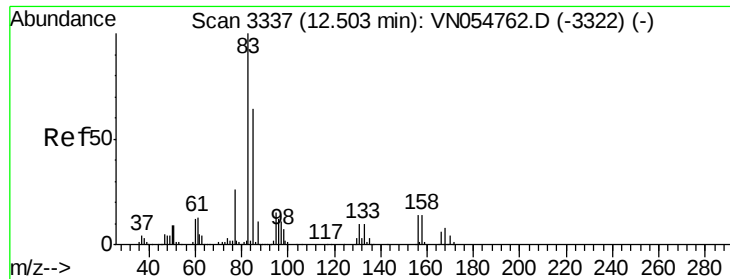
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3308

Delta R.T. -0.09 min

Lab File: VN054923.D

Acq: 3 Apr 2019 13:48

Instrument :

MSVOA\_N

ClientSampleId :

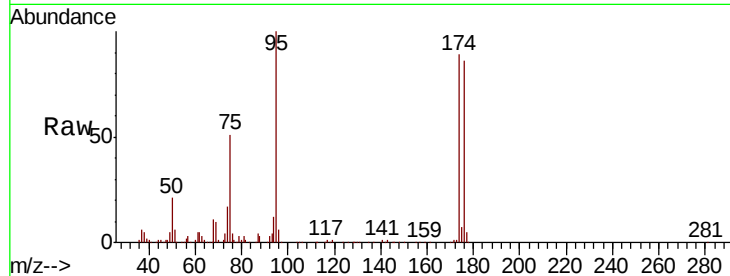
Tot Ion: 83 Resp: 136

Ion Ratio Lower Upper

83 100

131 194.1 5.8 17.4#

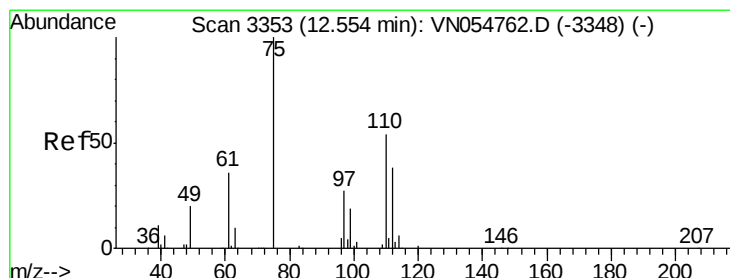
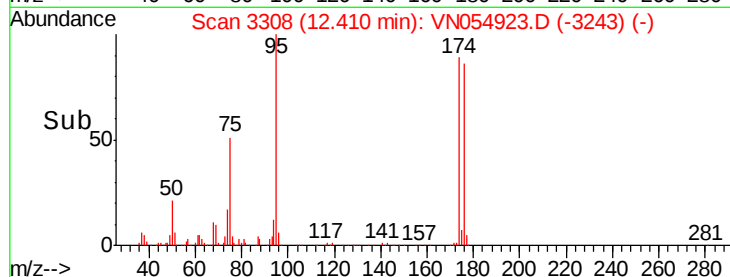
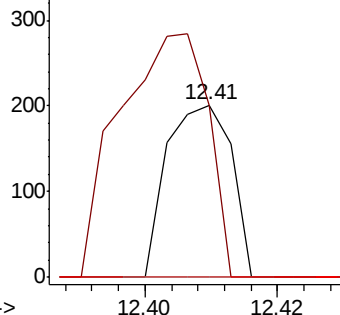
85 0.0 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 37.343 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054923.D

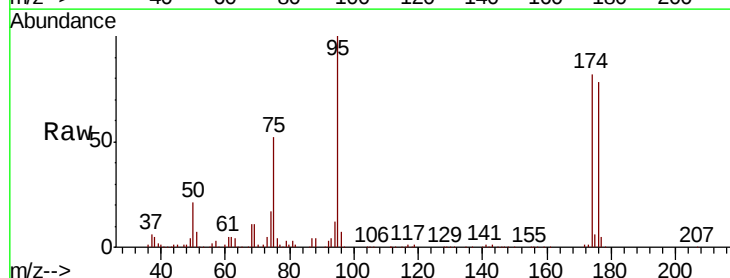
Acq: 3 Apr 2019 13:48

Tgt Ion: 75 Resp: 164313

Ion Ratio Lower Upper

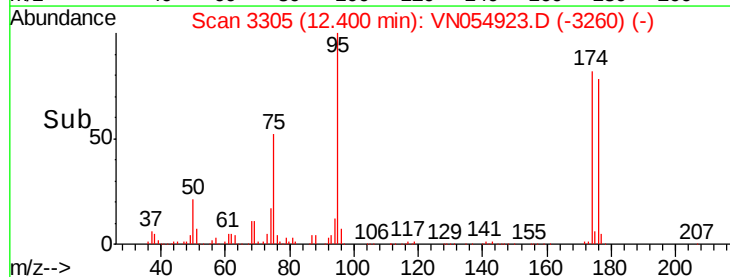
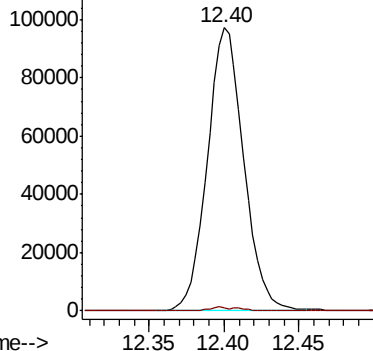
75 100

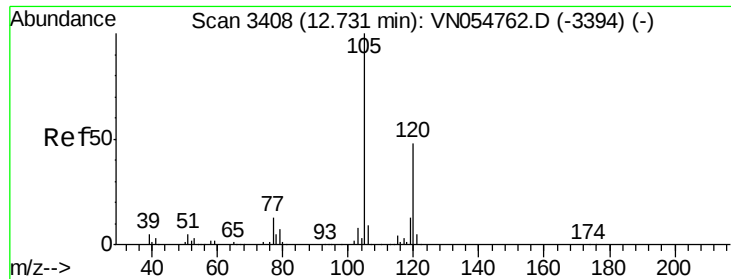
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.555 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054923.D

Acq: 3 Apr 2019 13:48

Instrument :

MSVOA\_N

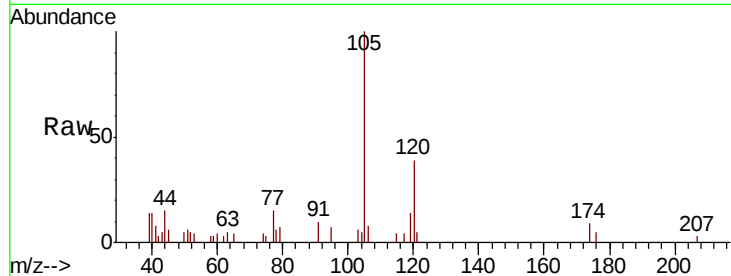
ClientSampleId :

Tot Ion:105 Resp: 9422

Ion Ratio Lower Upper

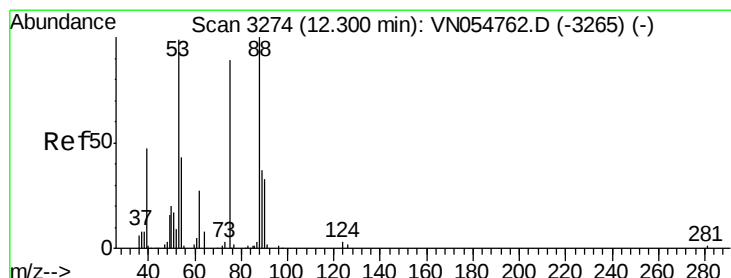
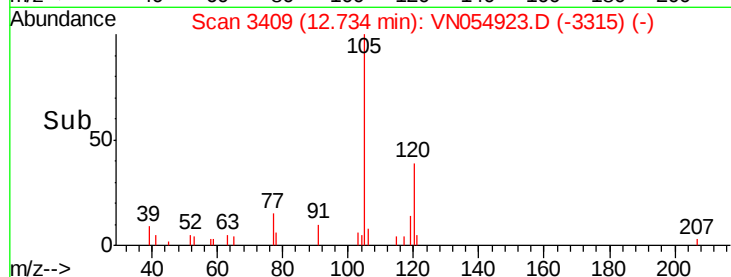
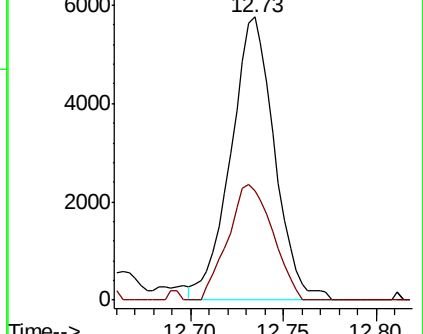
105 100

120 41.9 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 145.254 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054923.D

Acq: 3 Apr 2019 13:48

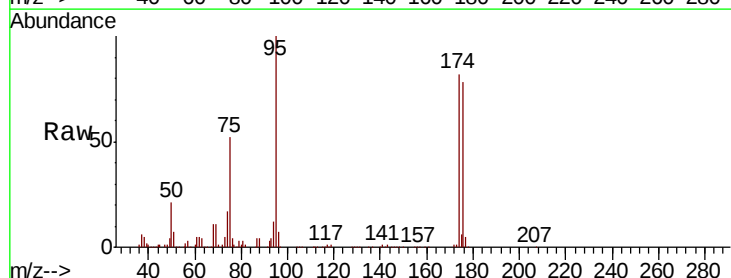
Tgt Ion: 75 Resp: 164313

Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

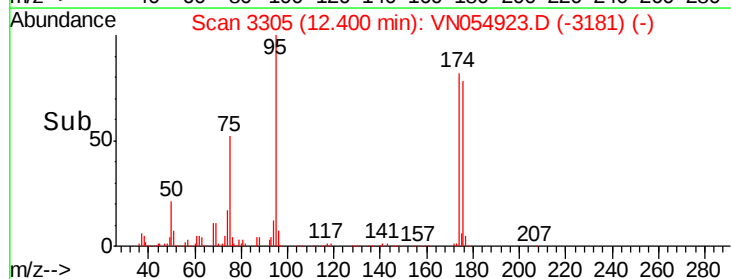
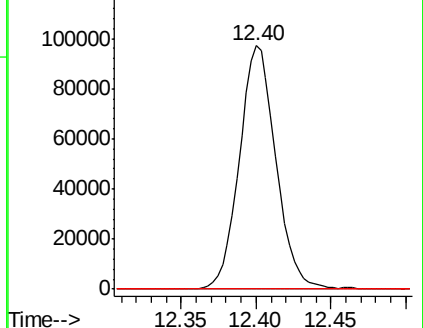
89 0.0 39.2 58.8#

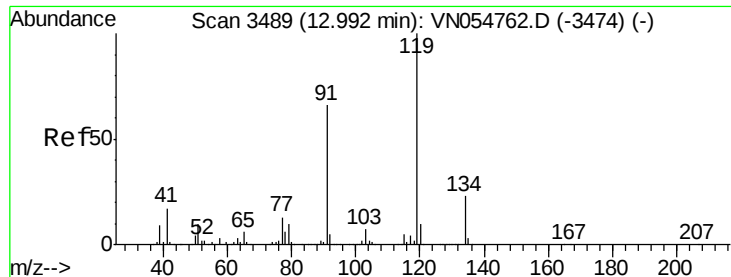


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

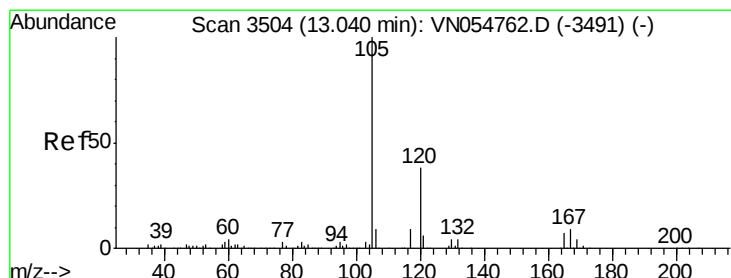
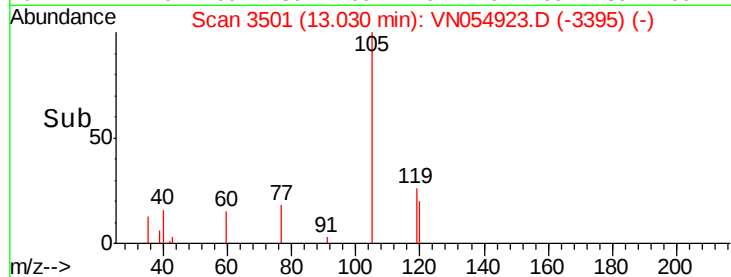
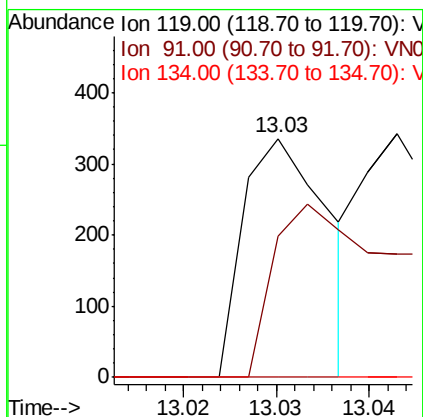
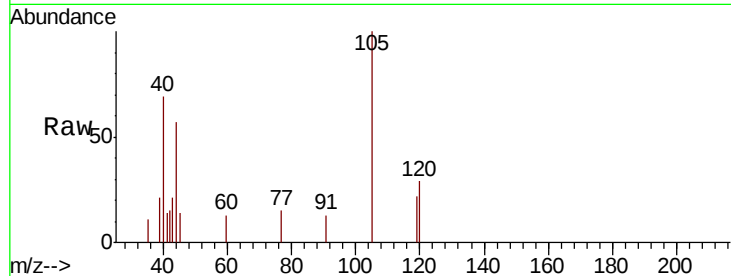




#83  
tert-Butylbenzene  
Concen: Below Cal  
RT: 13.03 min Scan# 3501  
Delta R.T. 0.04 min  
Lab File: VN054923.D  
Acq: 3 Apr 2019 13:48

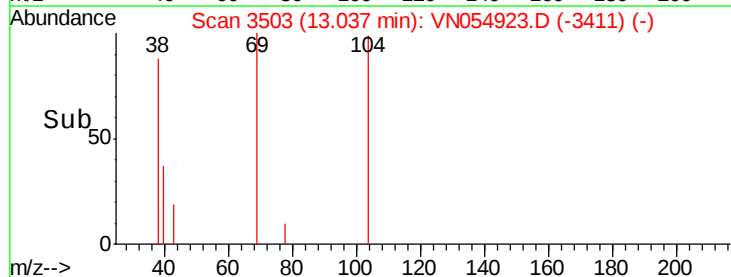
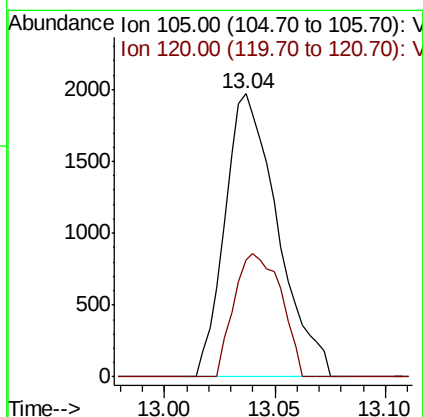
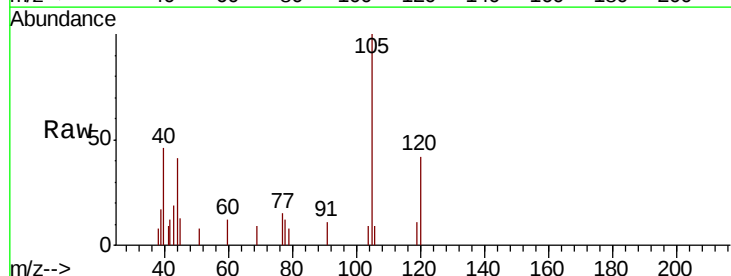
Instrument :  
MSVOA\_N  
ClientSampled :

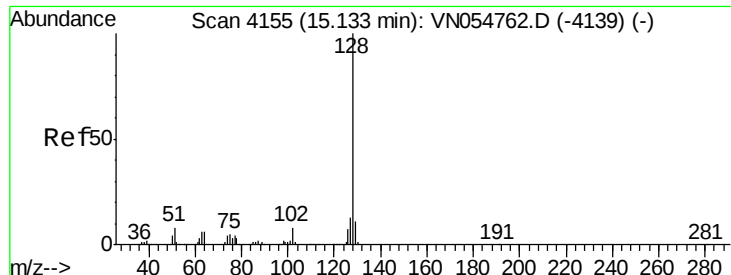
Tot Ion:119 Resp: 213  
Ion Ratio Lower Upper  
119 100  
91 120.7 30.9 92.8#  
134 0.0 13.2 39.6#



#84  
1,2,4-Trimethylbenzene  
Concen: 0.202 ug/l  
RT: 13.04 min Scan# 3503  
Delta R.T. -0.00 min  
Lab File: VN054923.D  
Acq: 3 Apr 2019 13:48

Tgt Ion:105 Resp: 3268  
Ion Ratio Lower Upper  
105 100  
120 38.8 23.4 70.3

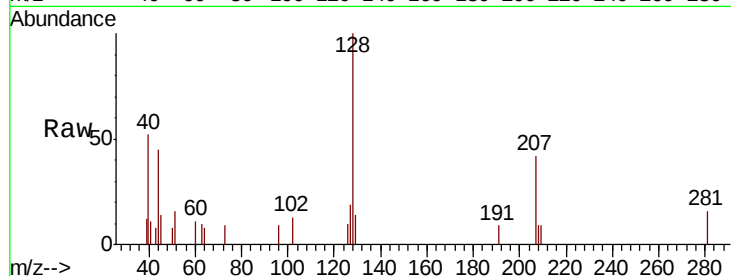




#95  
Naphthalene  
Concen: 0.408 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN054923.D  
Acq: 3 Apr 2019 13:48

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:128 Resp: 3727  
Ion Ratio Lower Upper  
128 100  
127 8.7 10.1 15.1#  
129 9.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

