

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\  
 Data File : VN054000.D  
 Acq On : 28 Feb 2019 13:26  
 Operator : JC/SP  
 Sample : K1645-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Mar 01 03:55:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022519W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 28 04:05:45 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 577884   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1086588  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1041681  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 379134   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 383409   | 56.60 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 113.20% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 352020   | 50.10 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.20% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1369663  | 52.36 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.72% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 449526   | 51.58 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.16% |          |

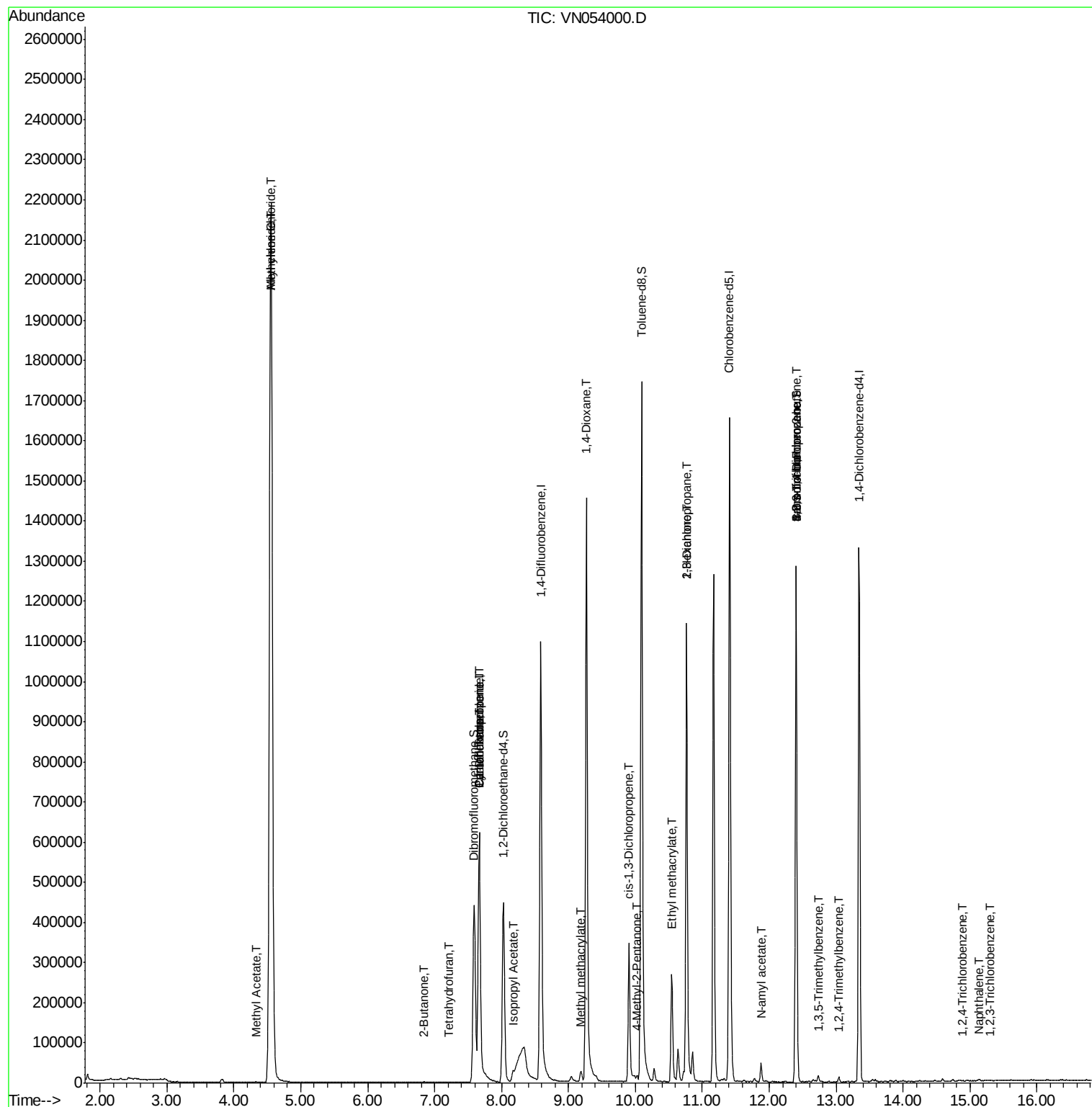
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 14) Allyl chloride             | 4.55  | 41   | 69582    | 6.954     | ug/l # | 27     |
| 16) Acetone                    | 3.82  | 43   | 13884    | Below Cal |        | 90     |
| 18) Methyl Acetate             | 4.34  | 43   | 3967     | 0.838     | ug/l # | 62     |
| 20) Methylene Chloride         | 4.55  | 84   | 1678379  | 250.336   | ug/l   | 91     |
| 25) 2-Butanone                 | 6.84  | 43   | 1860     | 0.699     | ug/l # | 89     |
| 29) Tetrahydrofuran            | 7.20  | 42   | 577      | 0.326     | ug/l # | 81     |
| 31) Cyclohexane                | 7.66  | 56   | 10929    | 0.604     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 41560    | 4.113     | ug/l # | 47     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 50354    | 4.791     | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.17  | 43   | 34287    | 2.814     | ug/l # | 90     |
| 48) Methyl methacrylate        | 9.18  | 41   | 10124    | 1.807     | ug/l # | 12     |
| 49) 1,4-Dioxane                | 9.27  | 88   | 150      | 1.976     | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 10.02 | 43   | 9688     | 1.548     | ug/l # | 34     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 63026    | 5.362     | ug/l # | 72     |
| 56) Ethyl methacrylate         | 10.54 | 69   | 1498     | 2.116     | ug/l # | 1      |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 11548    | 1.001     | ug/l # | 43     |
| 59) 2-Hexanone                 | 10.77 | 43   | 173419   | 42.594    | ug/l # | 48     |
| 71) Bromoform                  | 12.40 | 173  | 3193     | 0.579     | ug/l # | 1      |
| 74) N-amyl acetate             | 11.88 | 43   | 14920    | 1.929     | ug/l # | 49     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 218981   | 36.005    | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 7099     | 0.294     | ug/l   | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 218981   | 113.798   | ug/l # | 15     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 7542     | 0.313     | ug/l   | 94     |
| 93) 1,2,4-Trichlorobenzene     | 14.90 | 180  | 31       | 2.227     | ug/l # | 1      |
| 95) Naphthalene                | 15.14 | 128  | 4058     | 3.465     | ug/l # | 90     |
| 96) 1,2,3-Trichlorobenzene     | 15.31 | 180  | 29       | 1.562     | ug/l # | 1      |

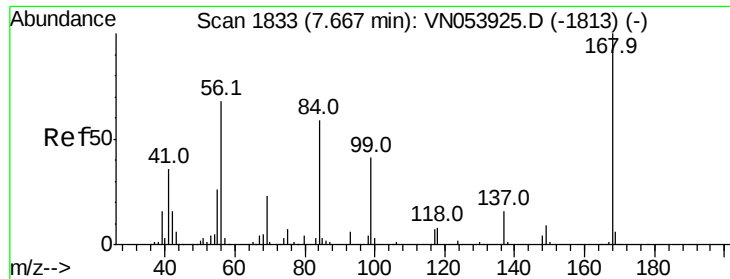
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 01 03:55:09 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N022519W.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 28 04:05:45 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: VN054000.D

Acq: 28 Feb 2019 13:26

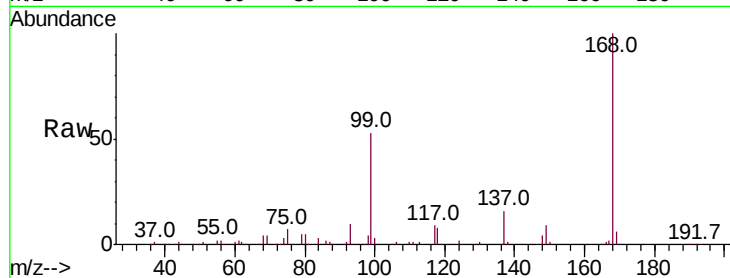
Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:168 Resp: 577884

Ion Ratio Lower Upper

168 100

99 52.6 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

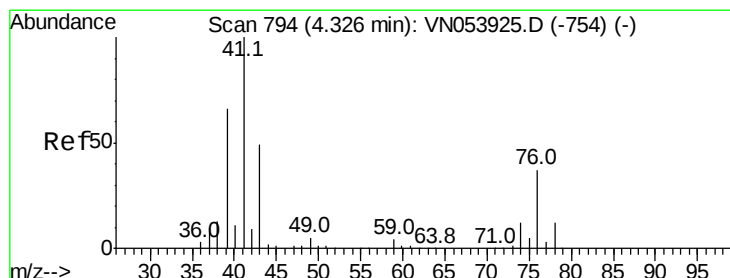
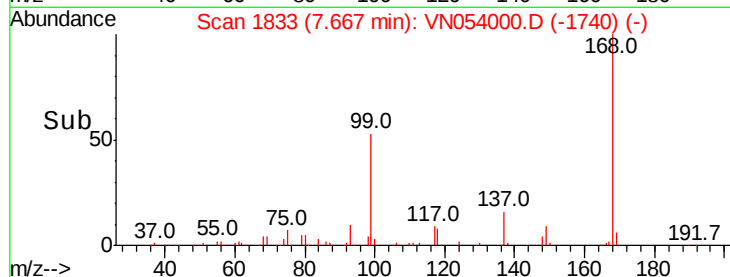
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#14

Allyl chloride

Concen: 6.954 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.23 min

Lab File: VN054000.D

Acq: 28 Feb 2019 13:26

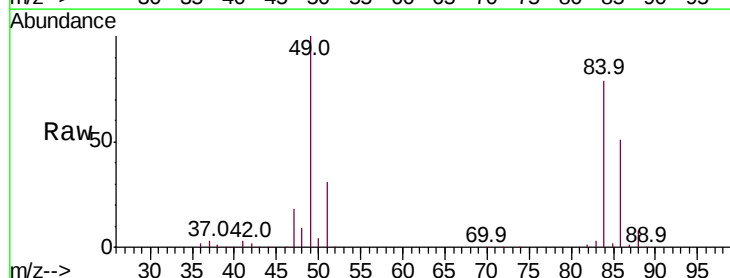
Tgt Ion: 41 Resp: 69582

Ion Ratio Lower Upper

41 100

39 0.3 48.8 73.2#

76 0.0 30.9 46.3#



Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN

4.55

30000

25000

20000

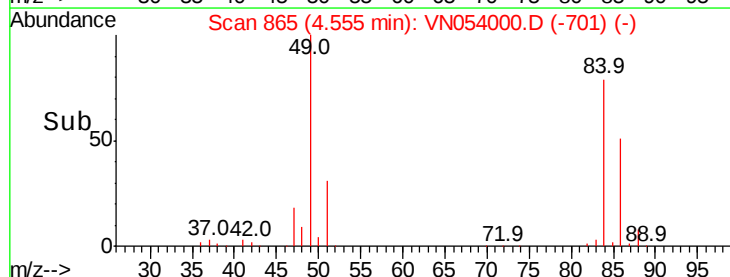
15000

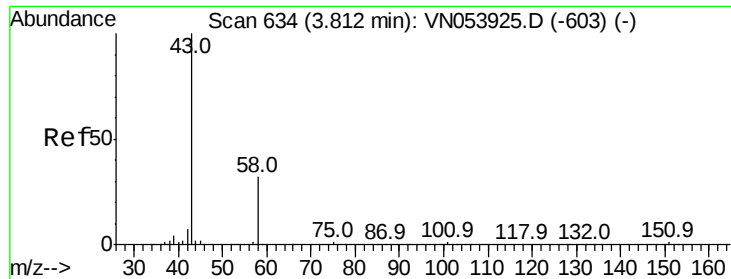
10000

5000

0

Time--> 4.45 4.50 4.55 4.60 4.65





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN054000.D

Acq: 28 Feb 2019 13:26

Instrument :

MSVOA\_N

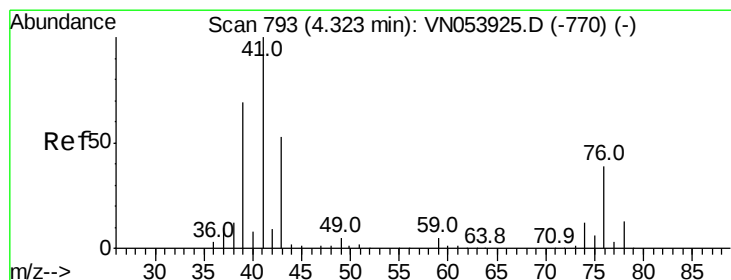
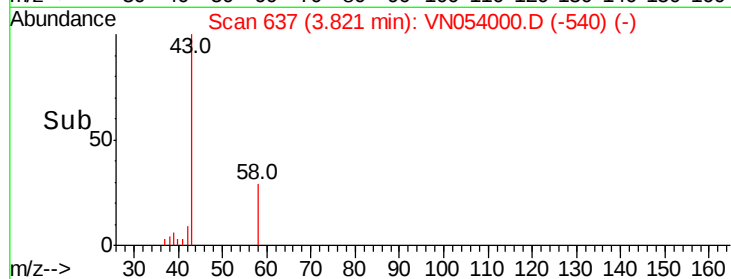
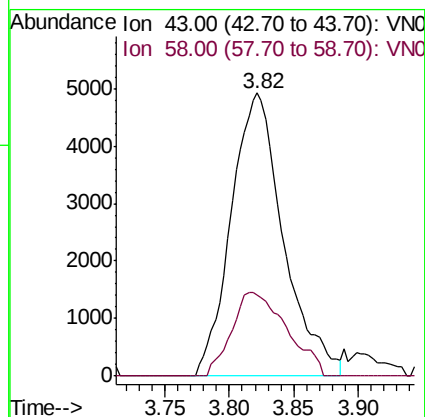
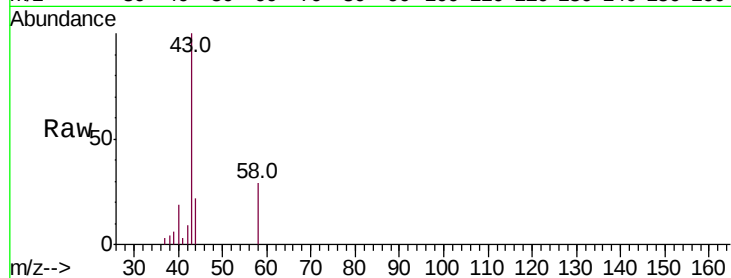
ClientSampled :

Tot Ion: 43 Resp: 13884

Ion Ratio Lower Upper

43 100

58 28.7 27.6 41.4



#18

Methyl Acetate

Concen: 0.838 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN054000.D

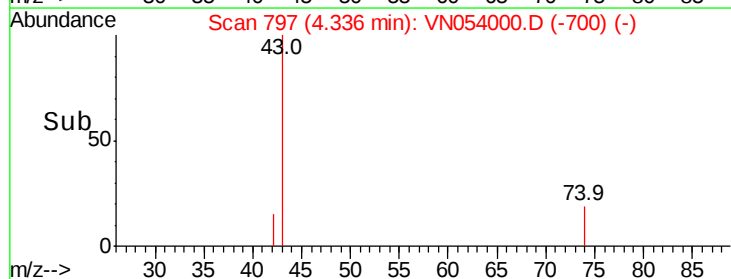
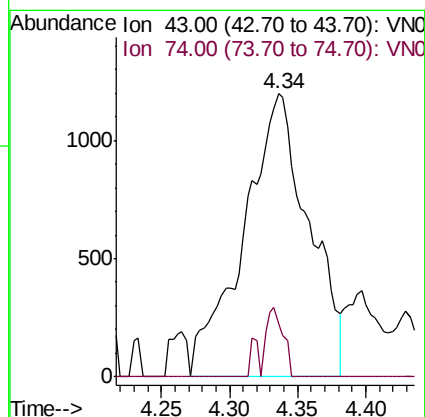
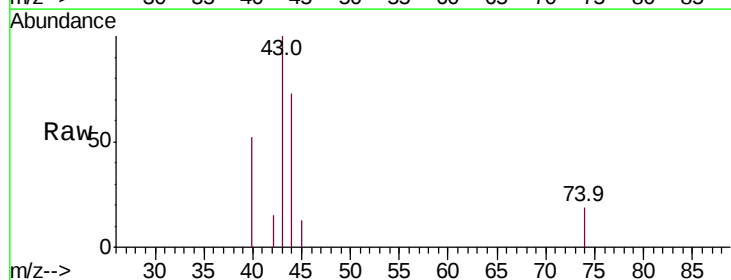
Acq: 28 Feb 2019 13:26

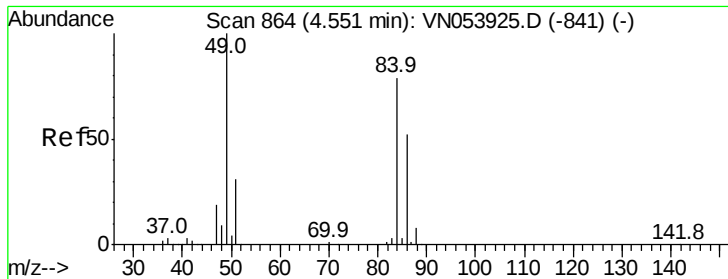
Tgt Ion: 43 Resp: 3967

Ion Ratio Lower Upper

43 100

74 6.4 20.5 30.7#



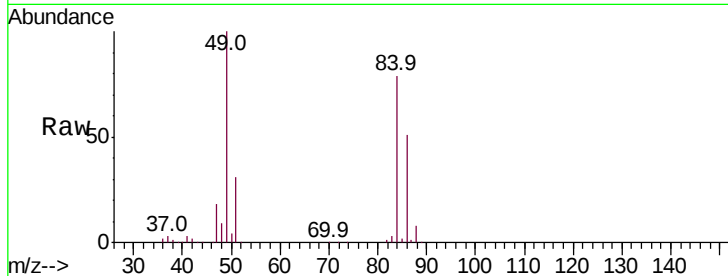


#20  
Methvlene Chloride  
Concen: 250.336 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN054000.D  
Acq: 28 Feb 2019 13:26

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 84 Resp: 1678379

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 127.3 | 89.7  | 134.5 |
| 51  | 39.0  | 27.8  | 41.8  |
| 86  | 64.3  | 51.3  | 76.9  |



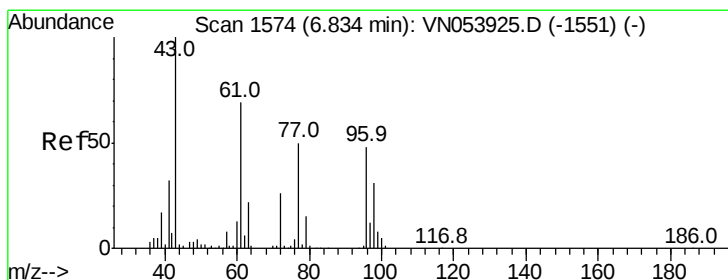
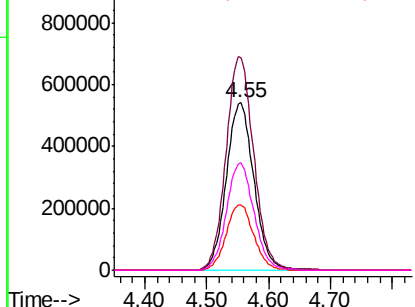
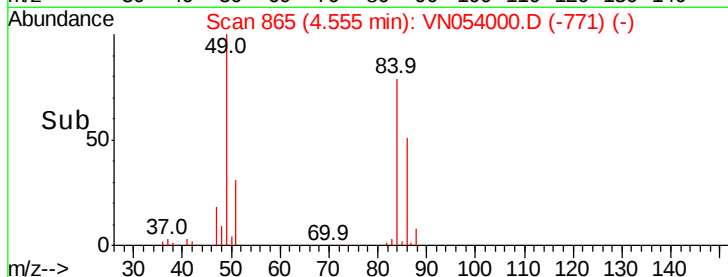
Abundance

Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

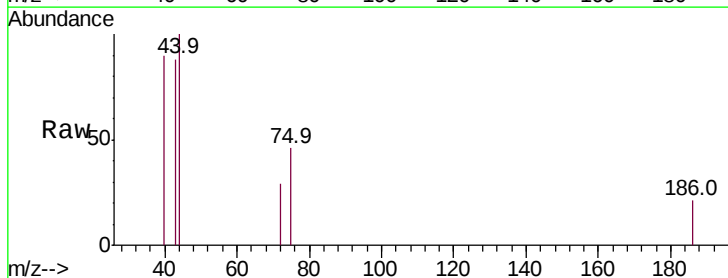
Ion 85.90 (85.60 to 86.60): VNC



#25  
2-Butanone  
Concen: 0.699 ug/l  
RT: 6.84 min Scan# 1577  
Delta R.T. 0.01 min  
Lab File: VN054000.D  
Acq: 28 Feb 2019 13:26

Tgt Ion: 43 Resp: 1860

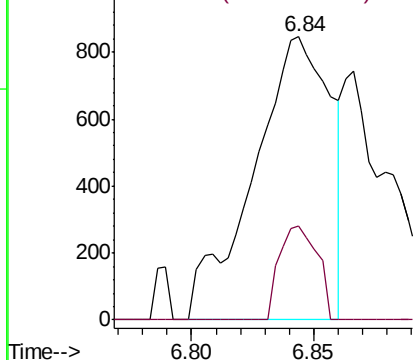
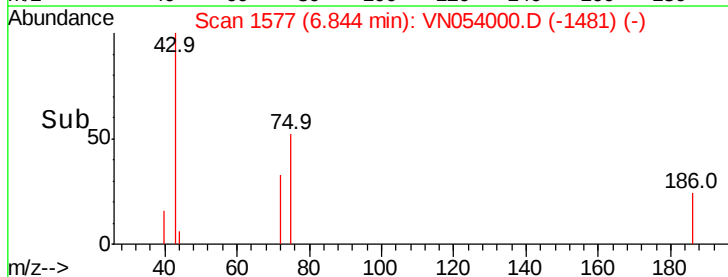
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 33.3  | 22.1  | 33.1# |

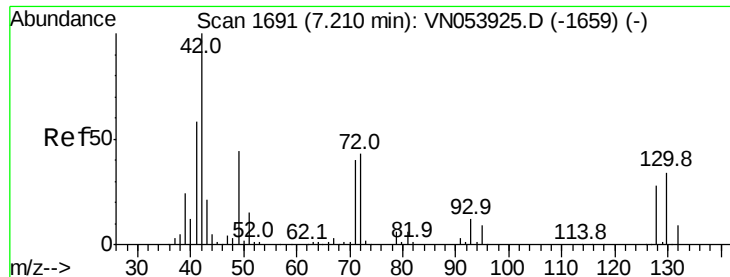


Abundance

Ion 43.00 (42.70 to 43.70): VNC

Ion 72.00 (71.70 to 72.70): VNC





#29

Tetrahydrofuran

Concen: 0.326 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.01 min

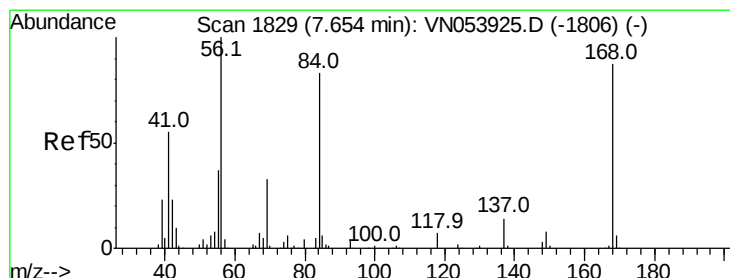
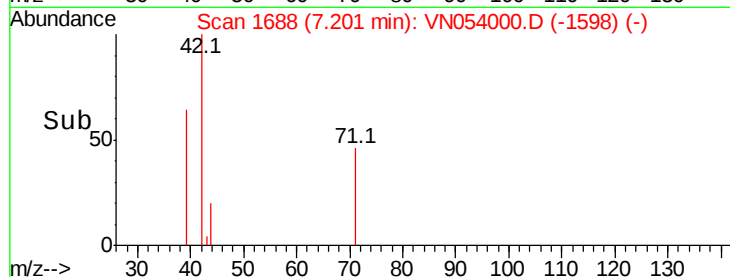
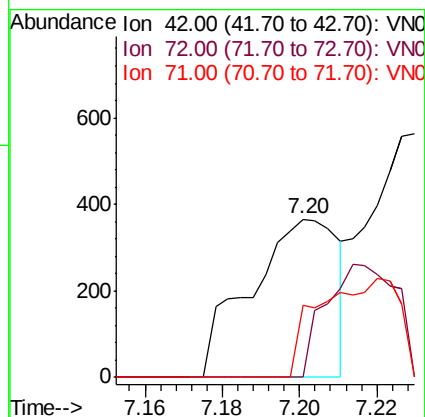
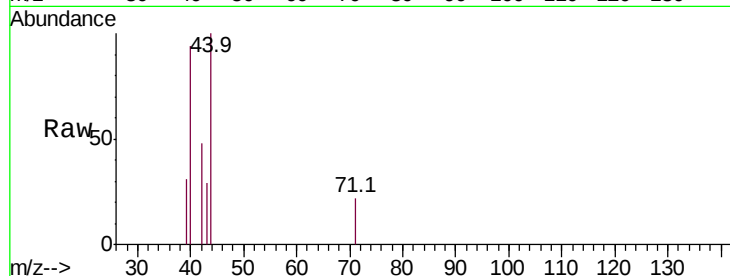
Lab File: VN054000.D

Acq: 28 Feb 2019 13:26

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 42 Resp: 577

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 57.0  | 36.9  | 55.3# |
| 71  | 57.0  | 34.6  | 52.0# |



#31

Cyclohexane

Concen: 0.604 ug/l

RT: 7.66 min Scan# 1832

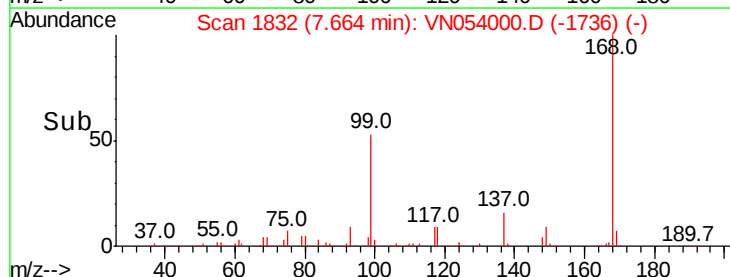
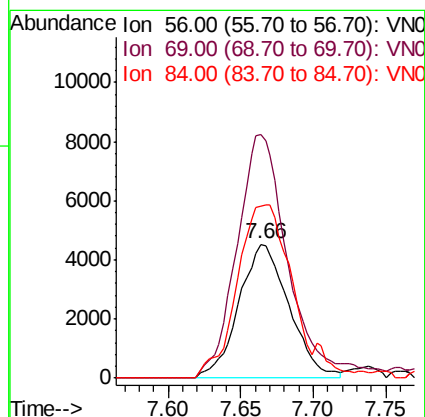
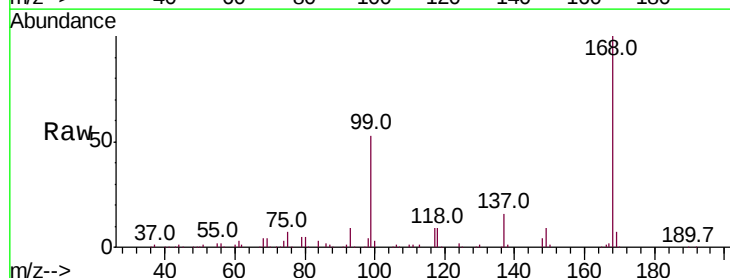
Delta R.T. 0.01 min

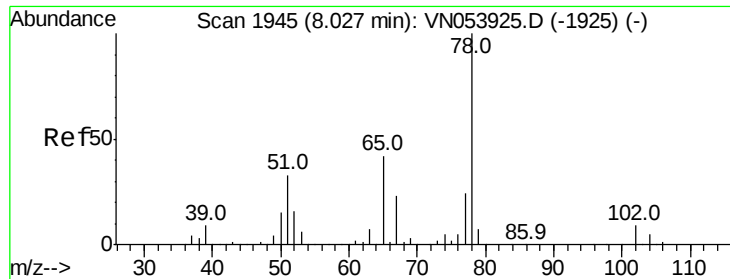
Lab File: VN054000.D

Acq: 28 Feb 2019 13:26

Tgt Ion: 56 Resp: 10929

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 181.9 | 26.0  | 39.0#  |
| 84  | 128.3 | 69.1  | 103.7# |

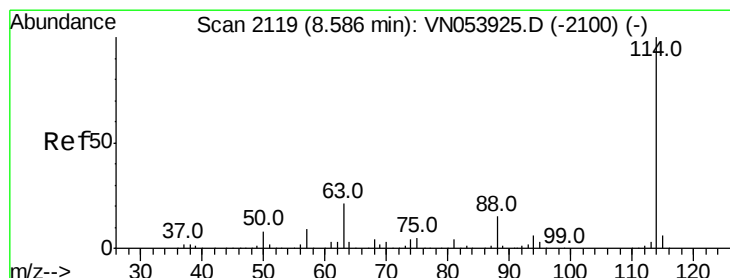
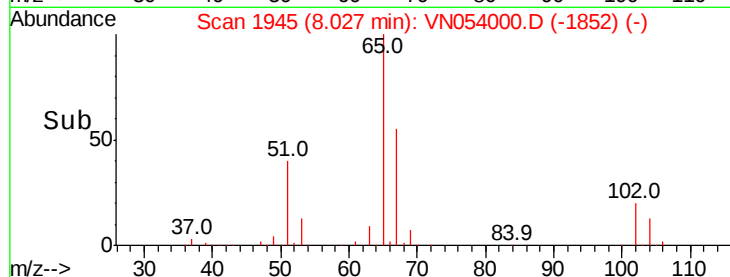
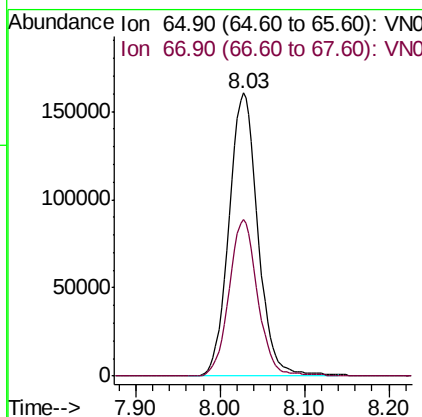
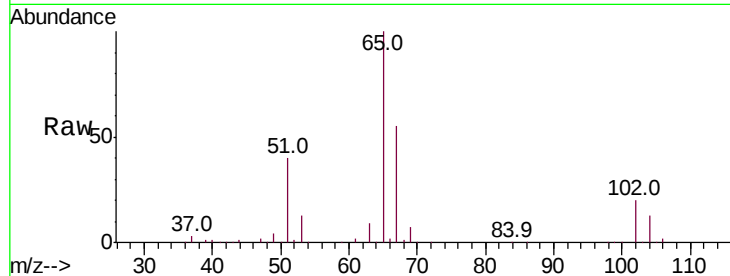




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.599 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN054000.D  
 Acq: 28 Feb 2019 13:26

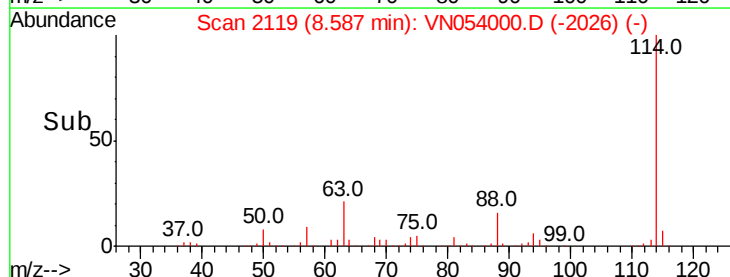
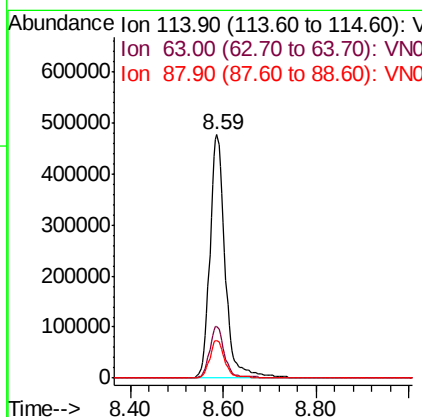
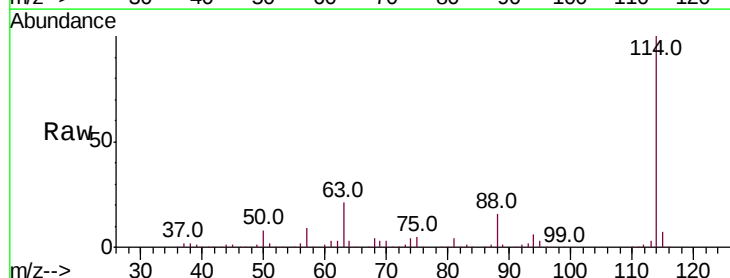
Instrument :  
 MSVOA\_N  
 ClientSampleId :

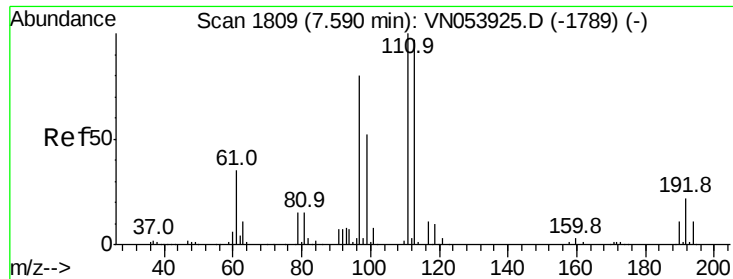
Tot Ion: 65 Resp: 383409  
 Ion Ratio Lower Upper  
 65 100  
 67 54.7 0.0 111.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN054000.D  
 Acq: 28 Feb 2019 13:26

Tgt Ion: 114 Resp: 1086588  
 Ion Ratio Lower Upper  
 114 100  
 63 21.2 0.0 37.4  
 88 15.6 0.0 30.4

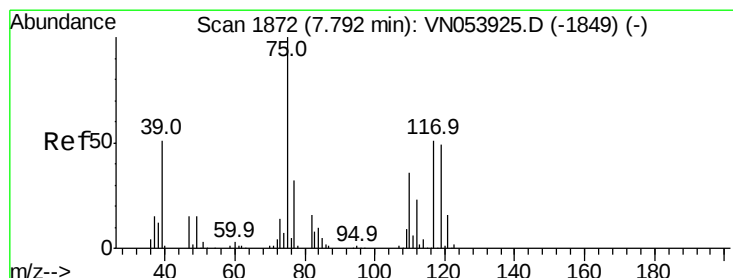
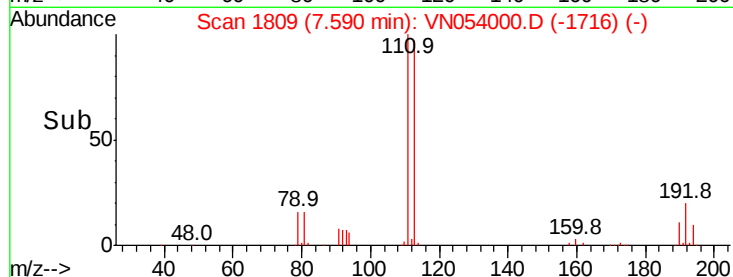
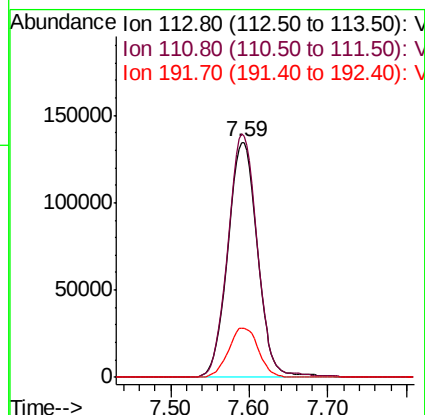
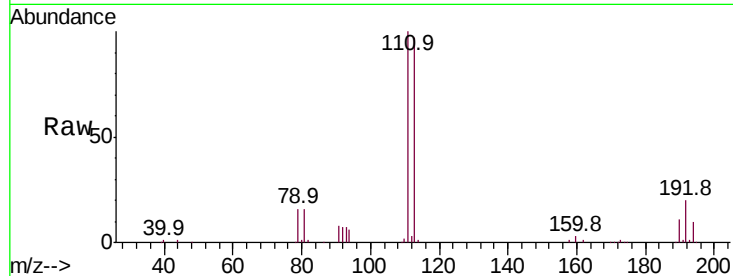




#35  
 Dibromofluoromethane  
 Concen: 50.099 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN054000.D  
 Acq: 28 Feb 2019 13:26

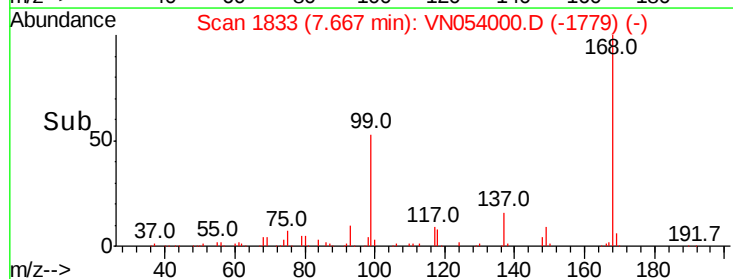
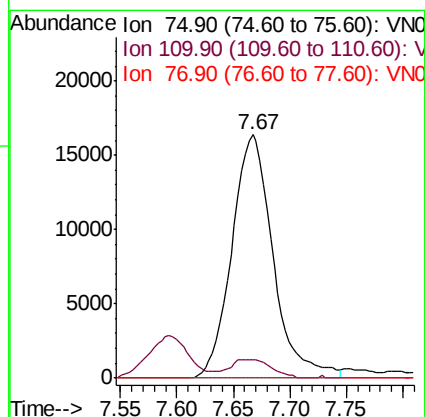
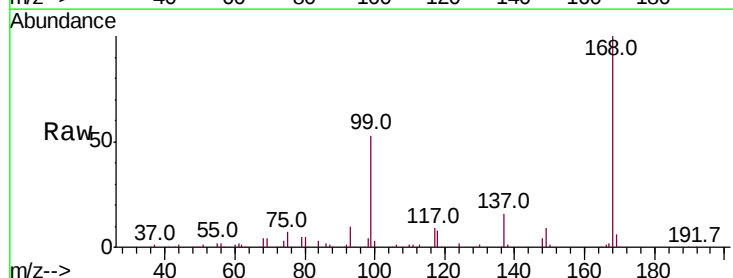
Instrument :  
 MSVOA\_N  
 ClientSampleId :

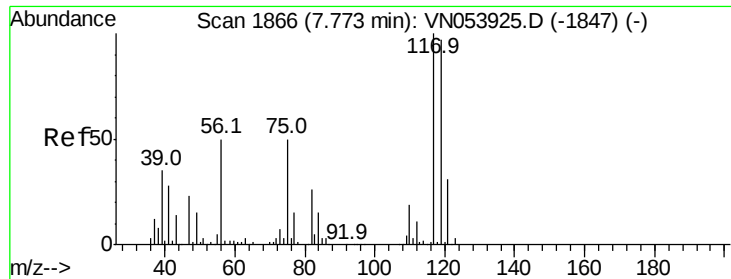
Tot Ion:113 Resp: 352020  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 81.1 121.7  
 192 21.3 18.8 28.2



#36  
 1,1-Dichloropropene  
 Concen: 4.113 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.13 min  
 Lab File: VN054000.D  
 Acq: 28 Feb 2019 13:26

Tgt Ion: 75 Resp: 41560  
 Ion Ratio Lower Upper  
 75 100  
 110 7.7 19.0 57.0#  
 77 0.0 25.4 38.0#

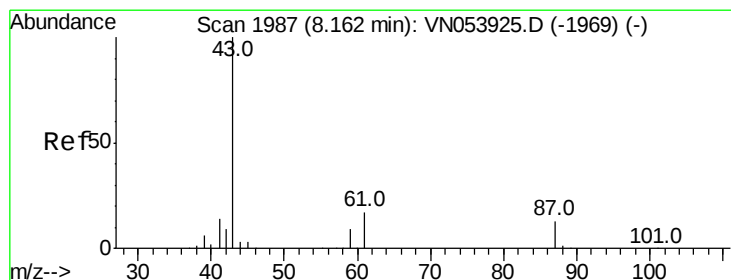
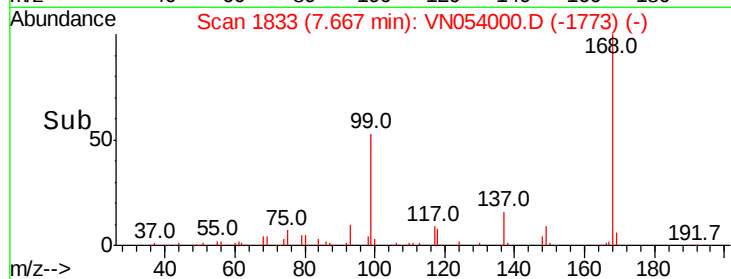
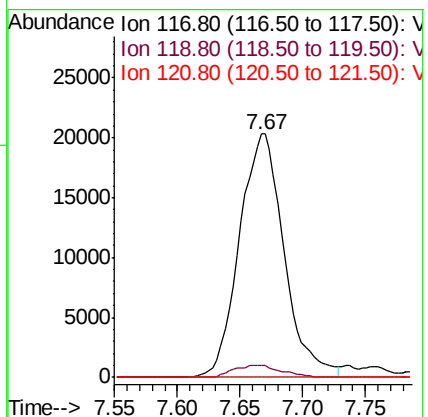
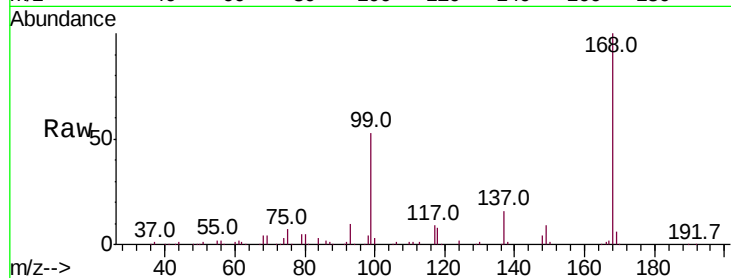




#38  
Carbon Tetrachloride  
Concen: 4.791 ug/l  
RT: 7.67 min Scan# 1833  
Delta R.T. -0.11 min  
Lab File: VN054000.D  
Acq: 28 Feb 2019 13:26

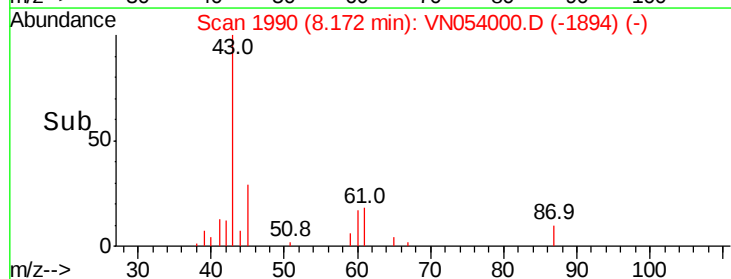
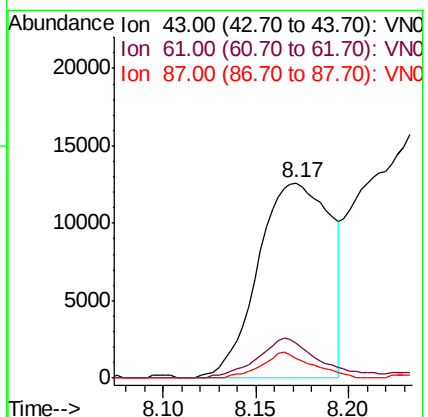
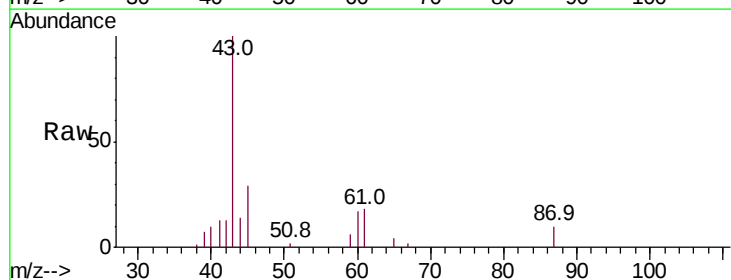
Instrument :  
MSVOA\_N  
ClientSampled :

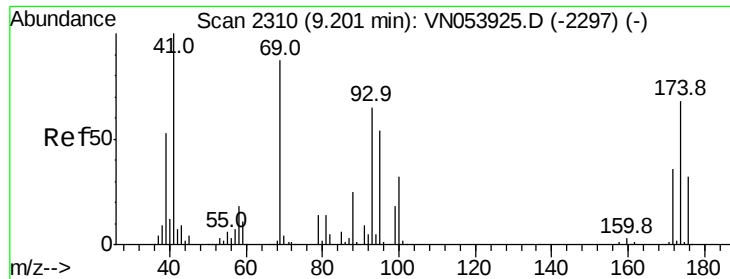
Tot Ion:117 Resp: 50354  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.2 114.2#  
121 0.0 24.6 36.8#



#43  
Isopropyl Acetate  
Concen: 2.814 ug/l  
RT: 8.17 min Scan# 1990  
Delta R.T. 0.01 min  
Lab File: VN054000.D  
Acq: 28 Feb 2019 13:26

Tgt Ion: 43 Resp: 34287  
Ion Ratio Lower Upper  
43 100  
61 17.6 17.4 26.0  
87 9.2 11.5 17.3#

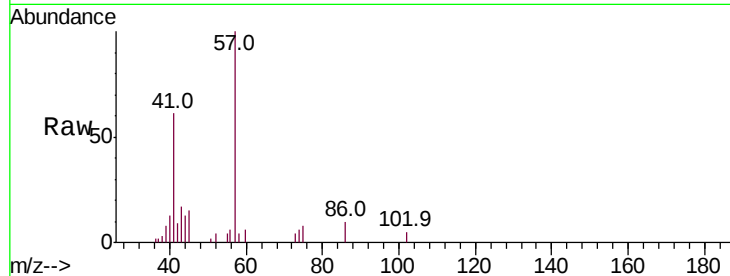




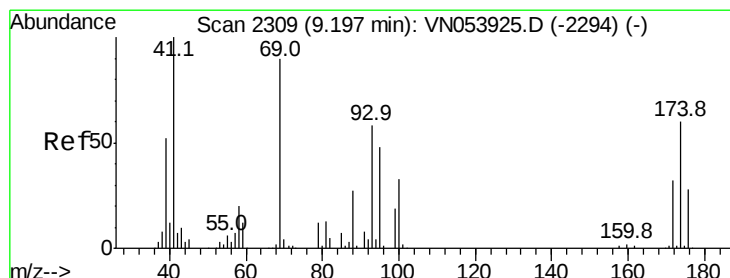
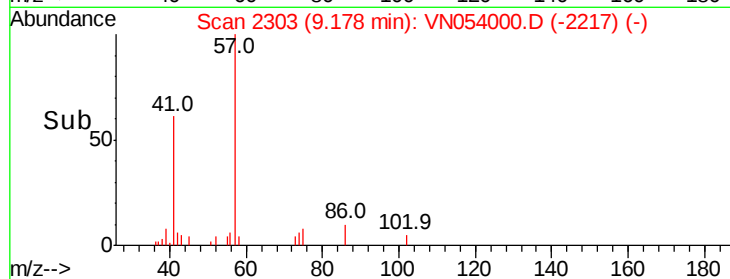
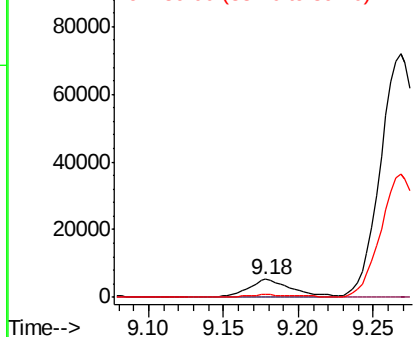
#48  
Methyl methacrylate  
Concen: 1.807 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. -0.02 min  
Lab File: VN054000.D  
Acq: 28 Feb 2019 13:26

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 41 Resp: 10124  
Ion Ratio Lower Upper  
41 100  
69 0.0 74.8 112.2#  
39 0.0 39.0 58.6#

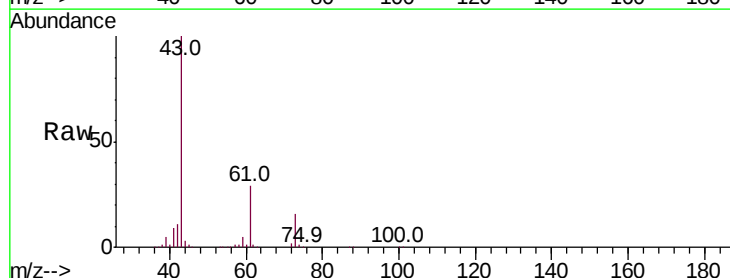


Abundance Ion 41.00 (40.70 to 41.70): VNC  
Ion 69.00 (68.70 to 69.70): VNC  
Ion 39.00 (38.70 to 39.70): VNC

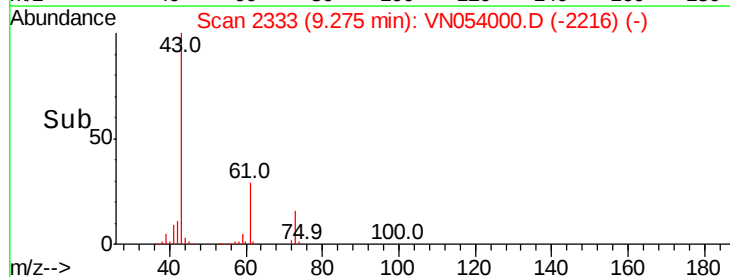
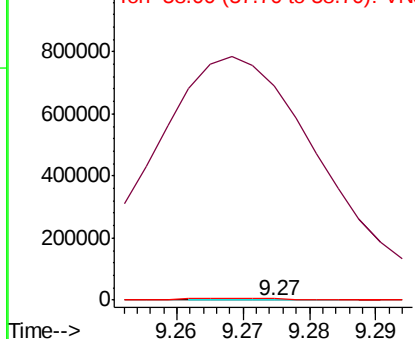


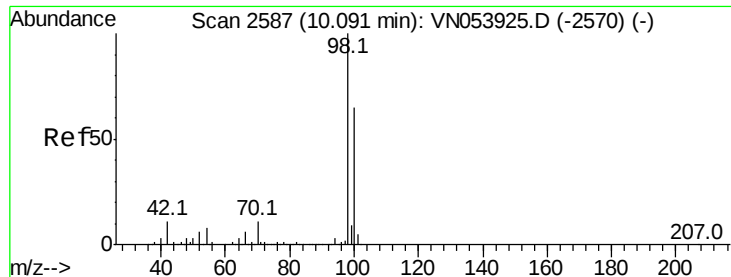
#49  
1,4-Dioxane  
Concen: 1.976 ug/l  
RT: 9.27 min Scan# 2333  
Delta R.T. 0.08 min  
Lab File: VN054000.D  
Acq: 28 Feb 2019 13:26

Tgt Ion: 88 Resp: 150  
Ion Ratio Lower Upper  
88 100  
43 1062289.3 21.2 31.8#  
58 5590.0 54.2 81.2#



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

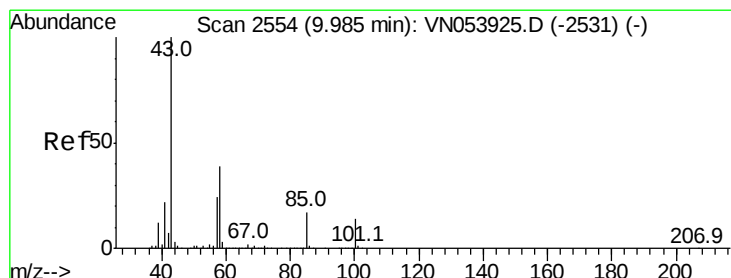
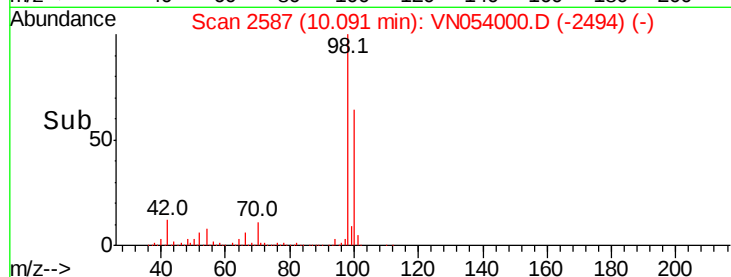
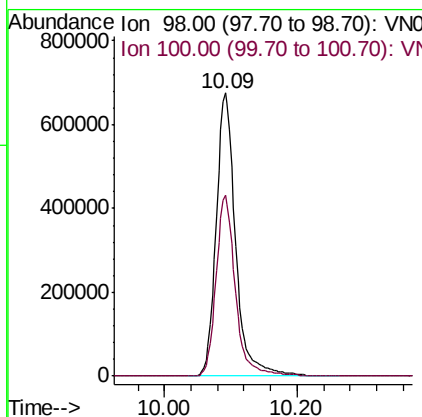
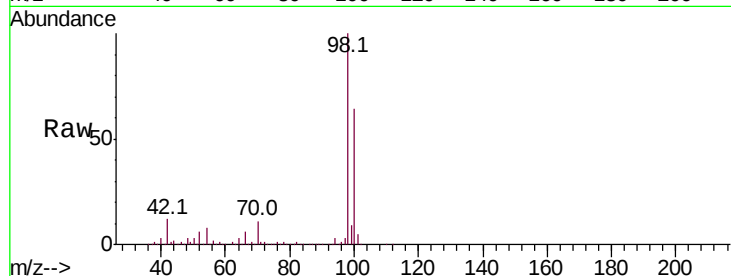




#50  
Toluene-d8  
Concen: 52.364 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN054000.D  
Acq: 28 Feb 2019 13:26

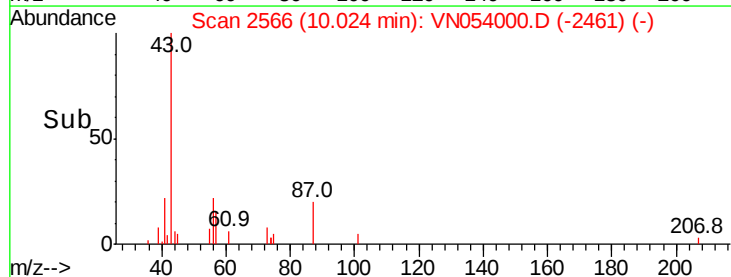
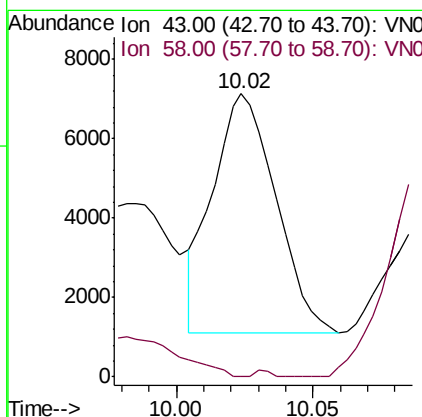
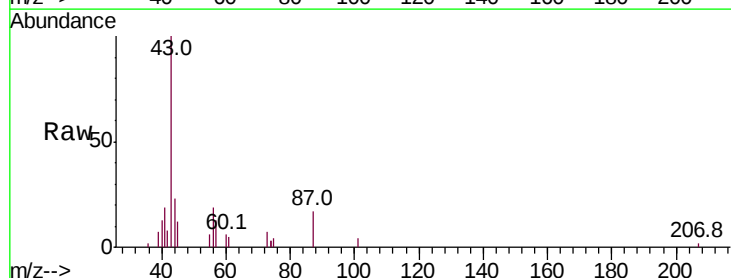
Instrument :  
MSVOA\_N  
ClientSampleId :

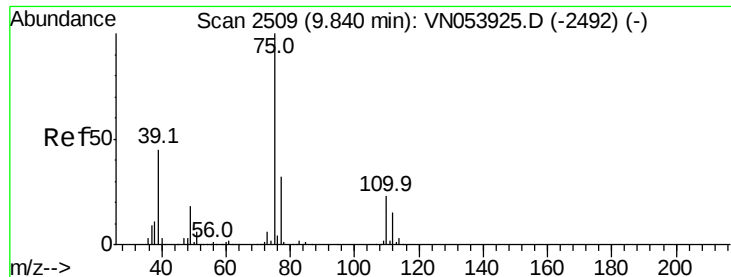
Tot Ion: 98 Resp: 1369663  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.9 77.9



#51  
4-Methyl-2-Pentanone  
Concen: 1.548 ug/l  
RT: 10.02 min Scan# 2566  
Delta R.T. 0.04 min  
Lab File: VN054000.D  
Acq: 28 Feb 2019 13:26

Tgt Ion: 43 Resp: 9688  
Ion Ratio Lower Upper  
43 100  
58 0.0 32.7 49.1#





#54

cis-1,3-Dichloropropene

Concen: 5.362 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054000.D

Acq: 28 Feb 2019 13:26

Instrument :

MSVOA\_N

ClientSampleId :

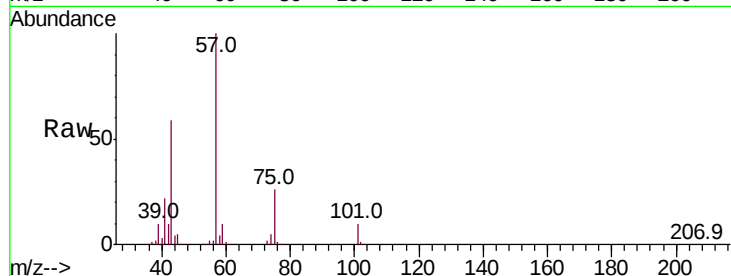
Tot Ion: 75 Resp: 63026

Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.6#

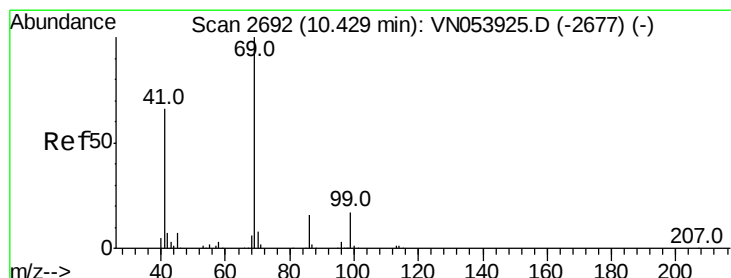
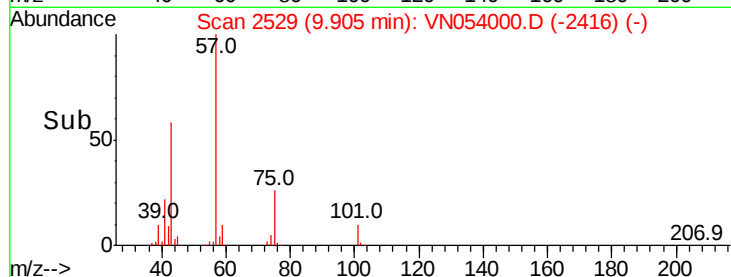
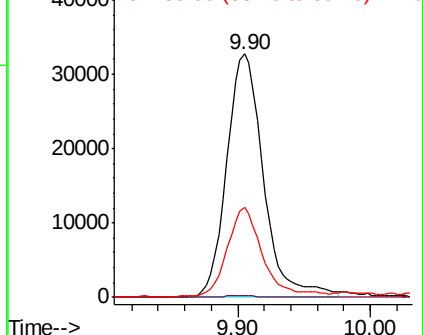
39 36.1 31.4 47.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 2.116 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.11 min

Lab File: VN054000.D

Acq: 28 Feb 2019 13:26

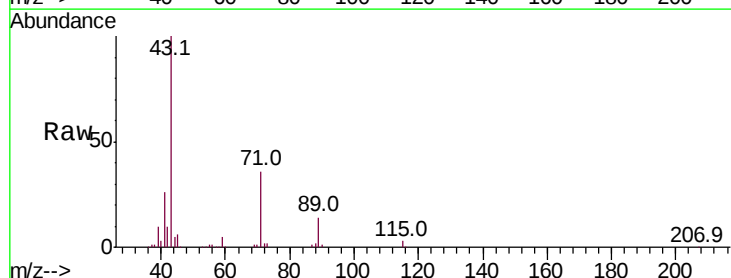
Tgt Ion: 69 Resp: 1498

Ion Ratio Lower Upper

69 100

41 3733.6 47.5 71.3#

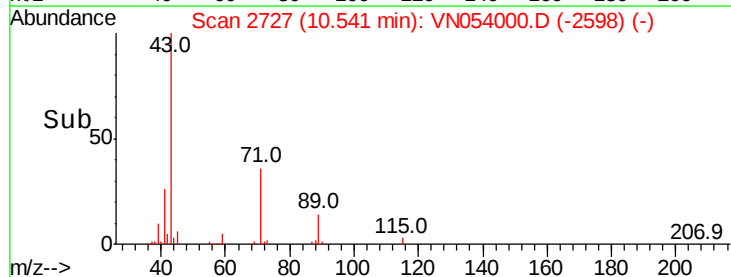
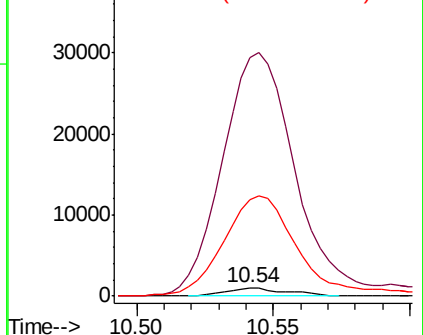
39 1564.6 23.4 35.0#

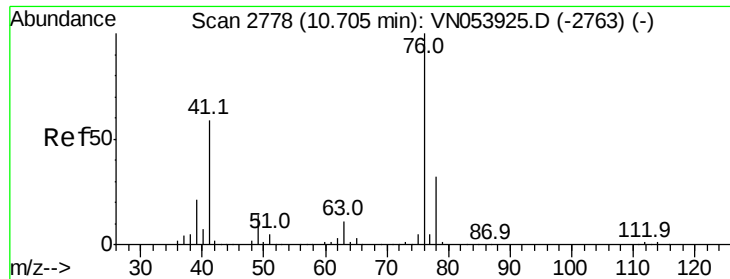


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.001 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN054000.D

Acq: 28 Feb 2019 13:26

Instrument :

MSVOA\_N

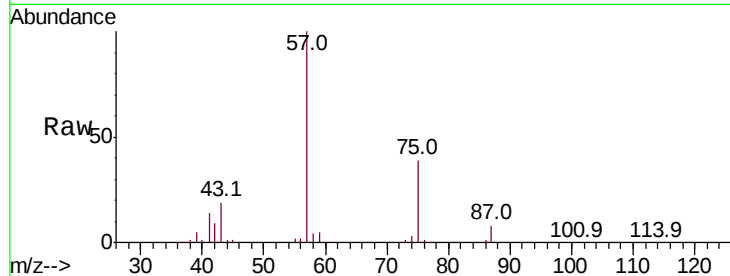
ClientSampled :

Tot Ion: 76 Resp: 11548

Ion Ratio Lower Upper

76 100

78 0.0 25.2 37.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.76

8000

6000

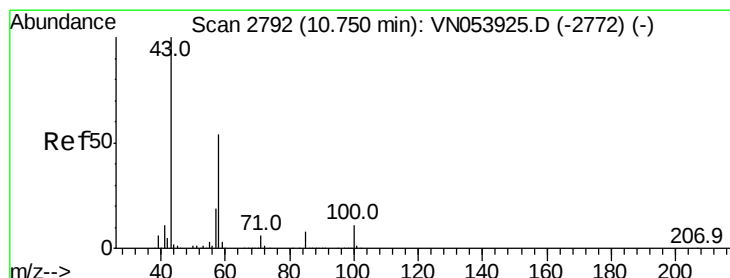
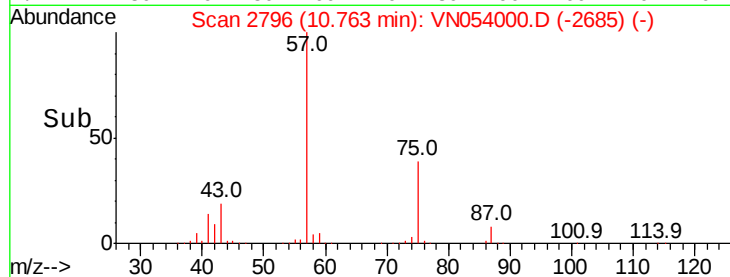
4000

2000

0

Time-->

10.70 10.75 10.80



#59

2-Hexanone

Concen: 42.594 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN054000.D

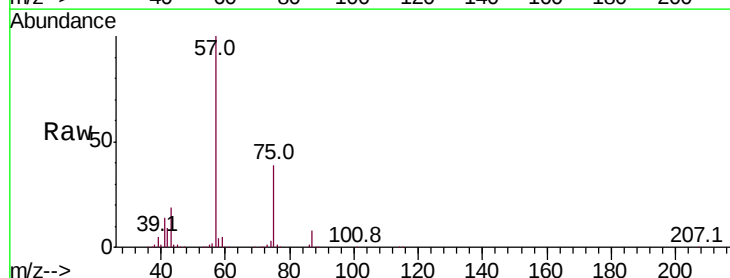
Acq: 28 Feb 2019 13:26

Tgt Ion: 43 Resp: 173419

Ion Ratio Lower Upper

43 100

58 19.2 29.1 87.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.77

100000

80000

60000

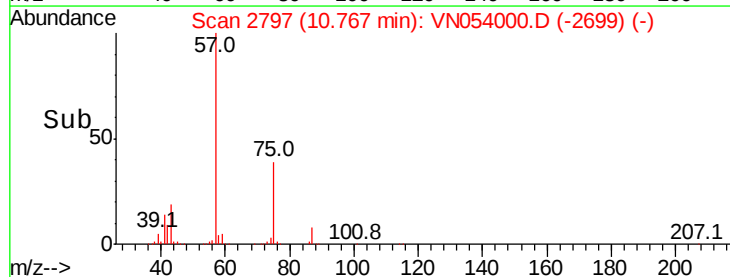
40000

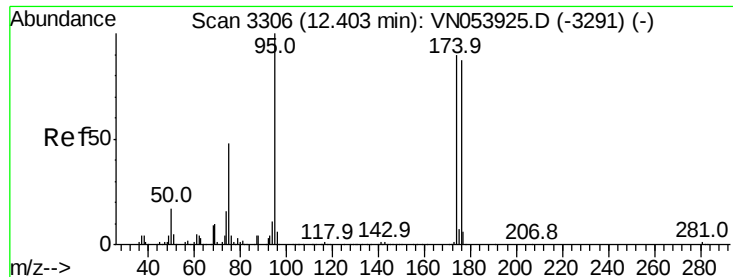
20000

0

Time-->

10.70 10.75 10.80





#62

4-Bromofluorobenzene

Concen: 51.583 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054000.D

Acq: 28 Feb 2019 13:26

Instrument :

MSVOA\_N

ClientSampleId :

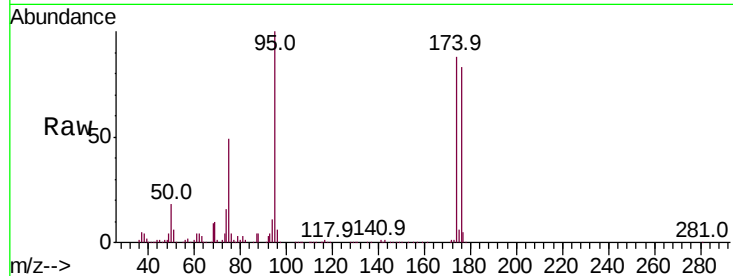
Tot Ion: 95 Resp: 449526

Ion Ratio Lower Upper

95 100

174 86.2 0.0 188.8

176 82.3 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN053925.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053925.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053925.D (-3291) (-)

12.40

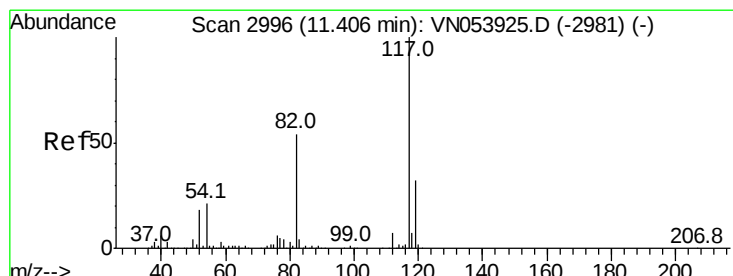
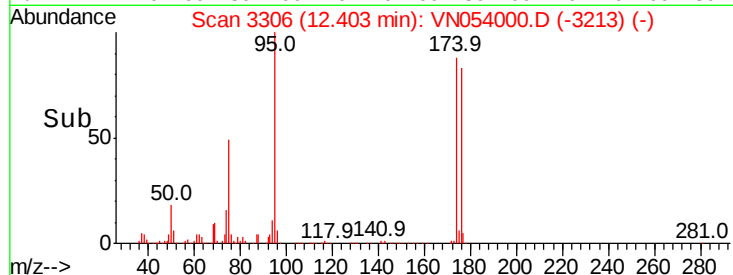
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054000.D

Acq: 28 Feb 2019 13:26

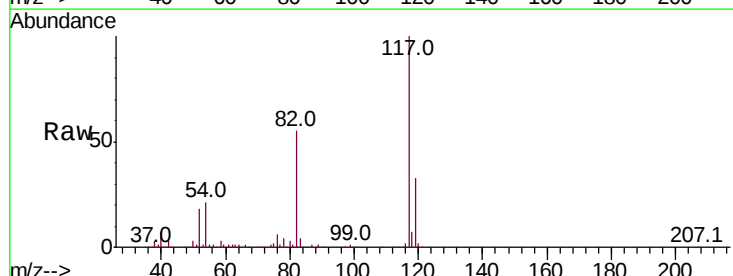
Tgt Ion: 117 Resp: 1041681

Ion Ratio Lower Upper

117 100

82 54.7 41.4 62.2

119 32.5 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VN053925.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN053925.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN053925.D (-2981) (-)

11.41

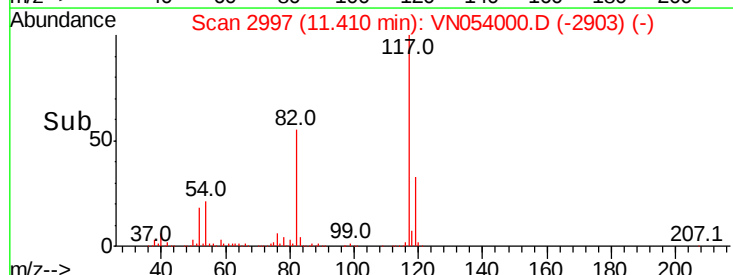
600000

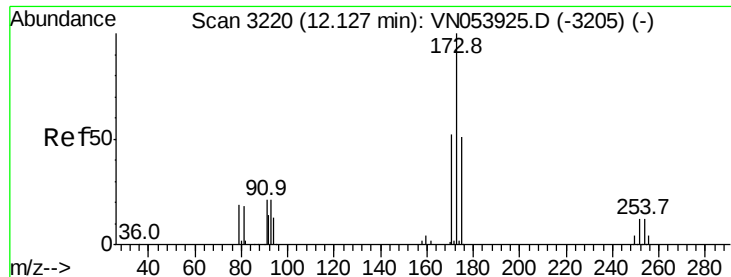
400000

200000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.579 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054000.D

Acq: 28 Feb 2019 13:26

Instrument :

MSVOA\_N

ClientSampled :

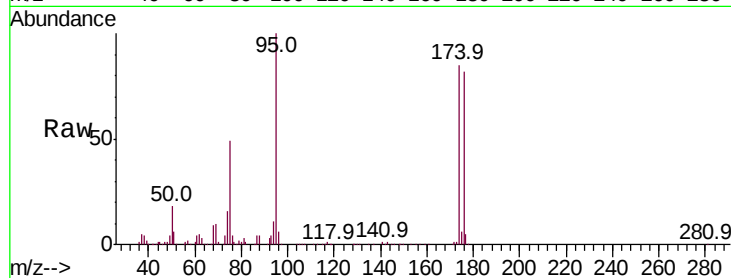
Tot Ion:173 Resp: 3193

Ion Ratio Lower Upper

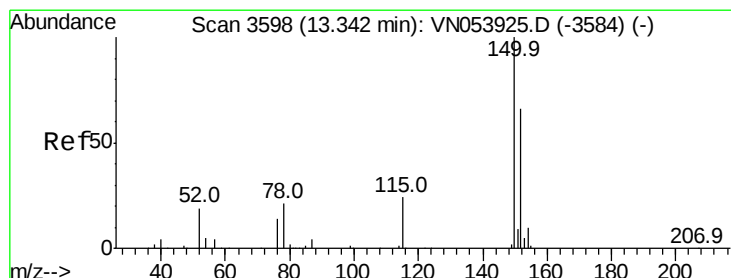
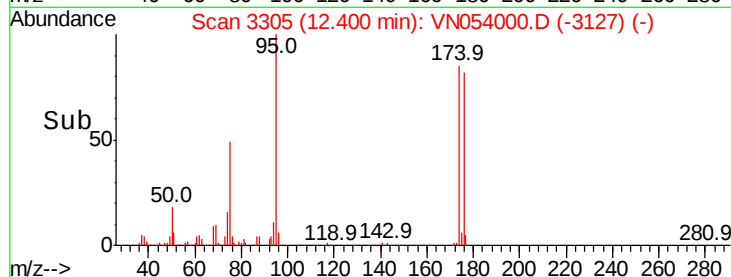
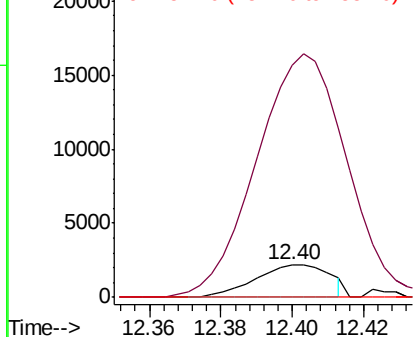
173 100

175 766.5 24.3 72.8#

254 0.0 0.2 0.2#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054000.D

Acq: 28 Feb 2019 13:26

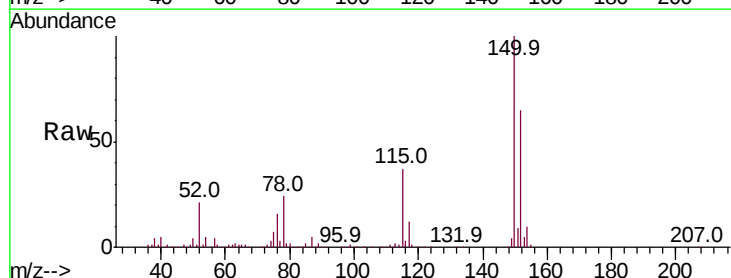
Tgt Ion:152 Resp: 379134

Ion Ratio Lower Upper

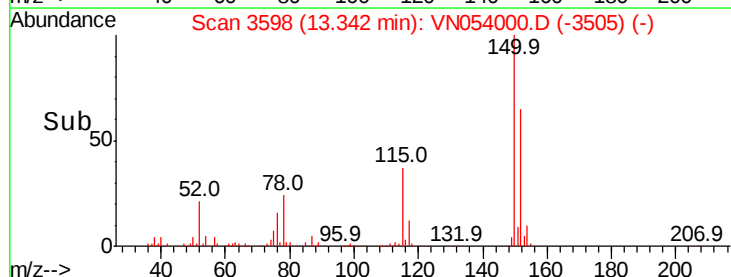
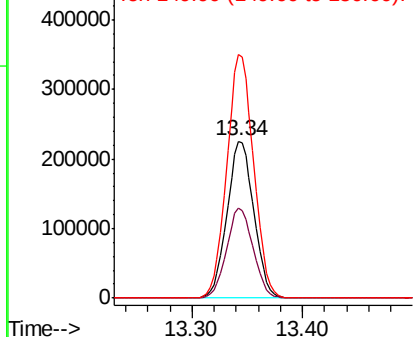
152 100

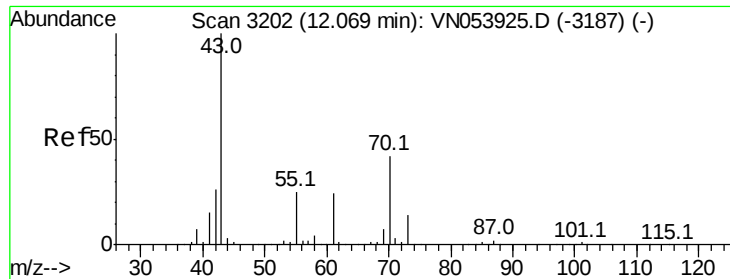
115 56.9 27.2 81.6

150 155.4 0.0 348.2



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-amvl acetate

Concen: 1.929 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN054000.D

Acq: 28 Feb 2019 13:26

Instrument :

MSVOA\_N

ClientSampled :

Tot Ion: 43 Resp: 14920

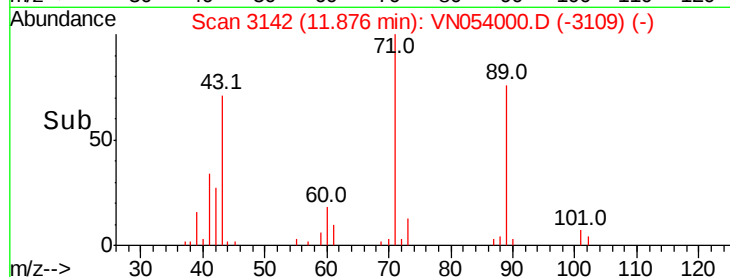
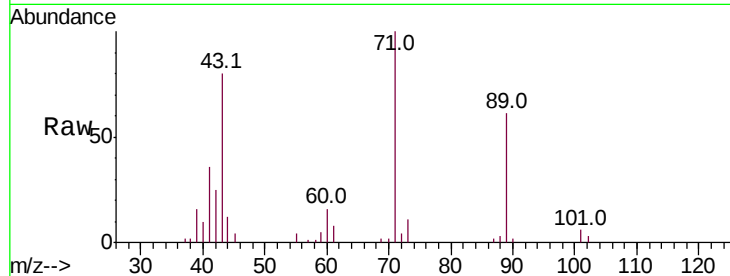
Ion Ratio Lower Upper

43 100

70 2.3 37.4 56.2#

55 4.6 21.4 32.0#

61 10.5 20.9 31.3#

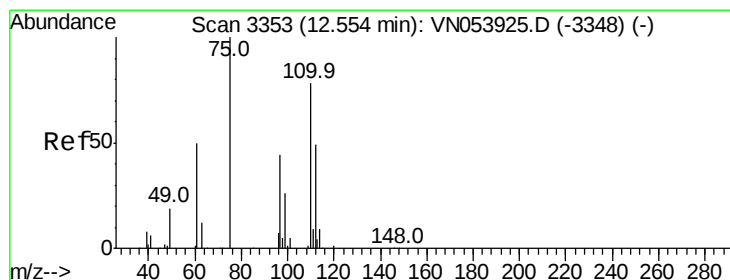
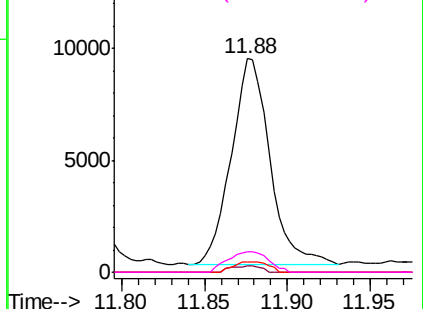


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 36.005 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054000.D

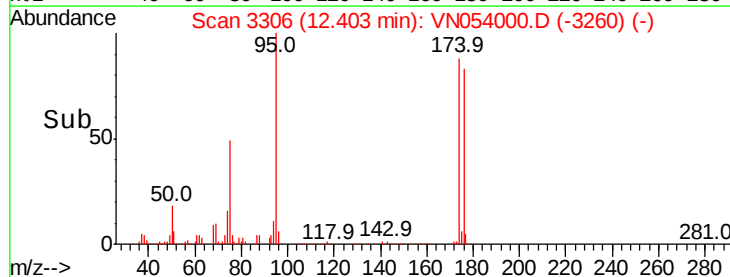
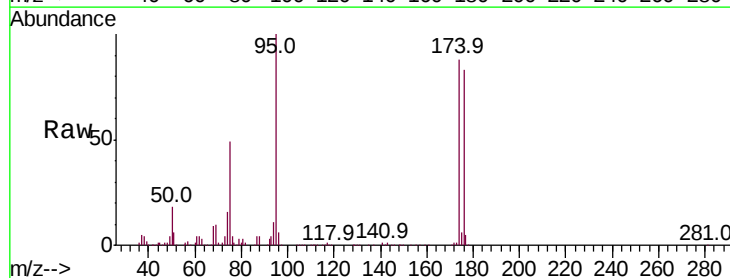
Acq: 28 Feb 2019 13:26

Tgt Ion: 75 Resp: 218981

Ion Ratio Lower Upper

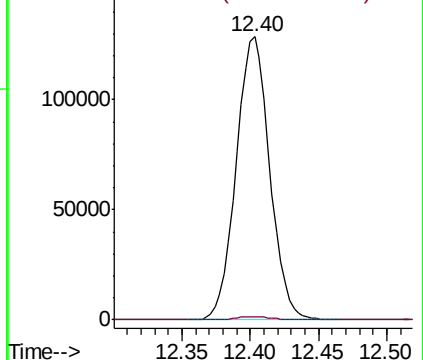
75 100

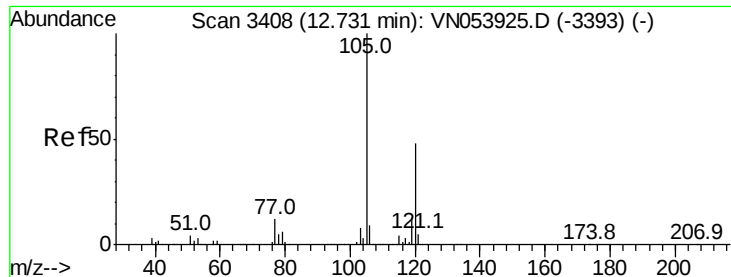
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

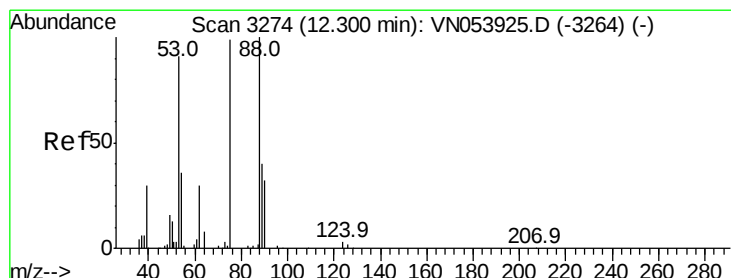
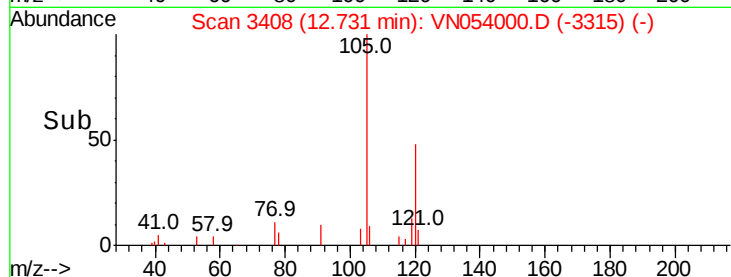
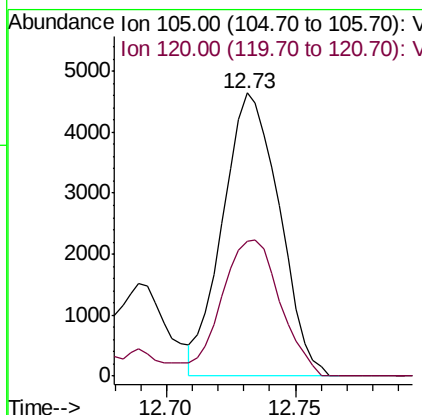
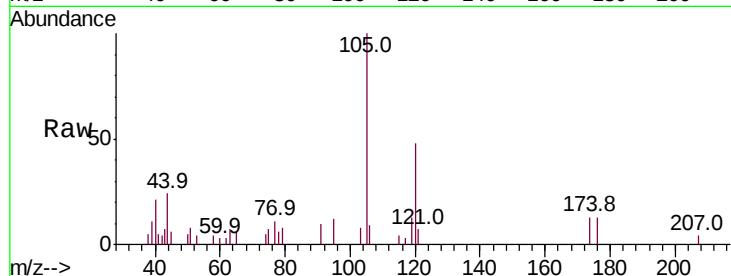




#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.294 ug/l  
 RT: 12.73 min Scan# 3408  
 Delta R.T. 0.00 min  
 Lab File: VN054000.D  
 Acq: 28 Feb 2019 13:26

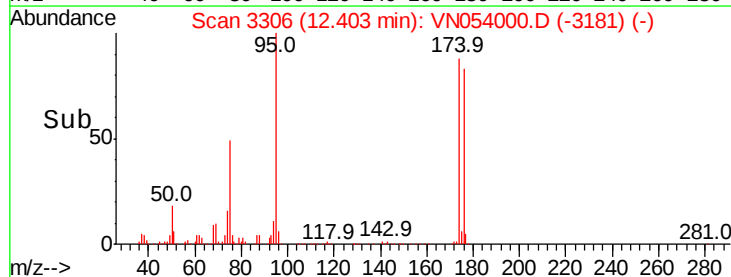
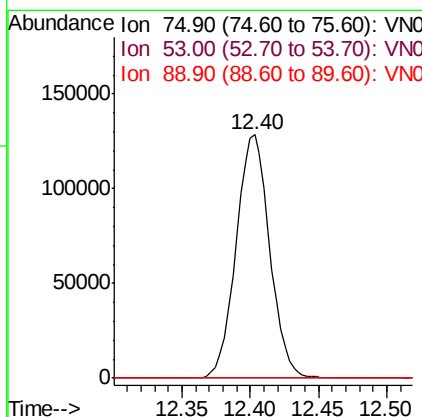
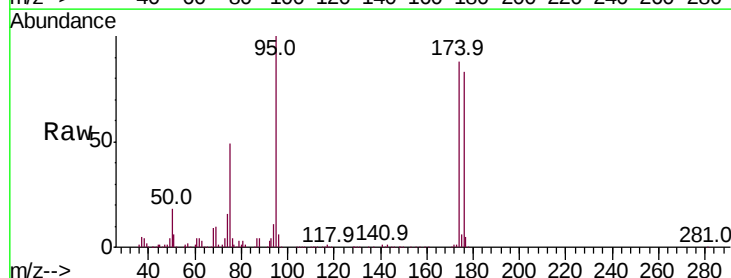
Instrument :  
 MSVOA\_N  
 ClientSampleId :

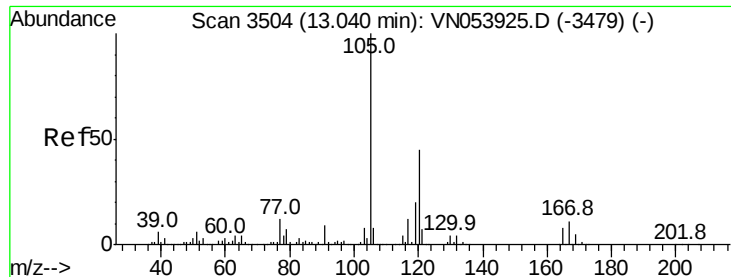
Tot Ion:105 Resp: 7099  
 Ion Ratio Lower Upper  
 105 100  
 120 50.0 25.1 75.2



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 113.798 ug/l  
 RT: 12.40 min Scan# 3306  
 Delta R.T. 0.10 min  
 Lab File: VN054000.D  
 Acq: 28 Feb 2019 13:26

Tgt Ion: 75 Resp: 218981  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 68.6 102.8#  
 89 0.0 35.3 52.9#





#84

1,2,4-Trimethylbenzene

Concen: 0.313 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN054000.D

Acq: 28 Feb 2019 13:26

Instrument :

MSVOA\_N

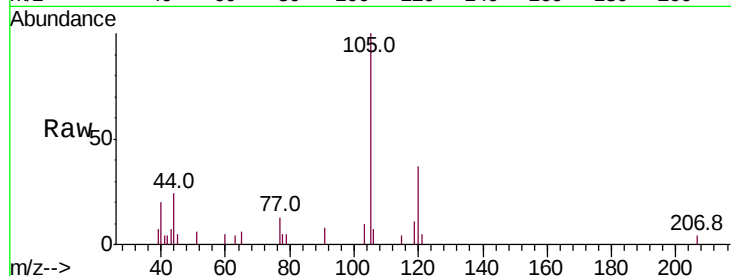
ClientSampled :

Tot Ion:105 Resp: 7542

Ion Ratio Lower Upper

105 100

120 42.3 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

5000

4000

3000

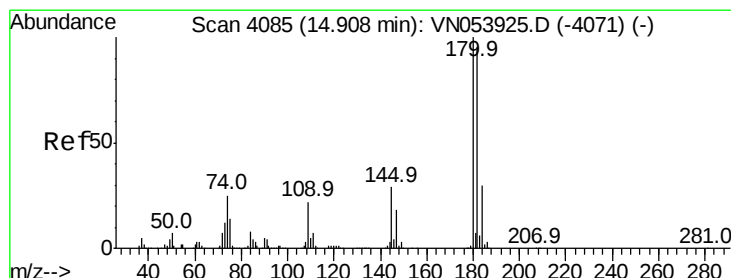
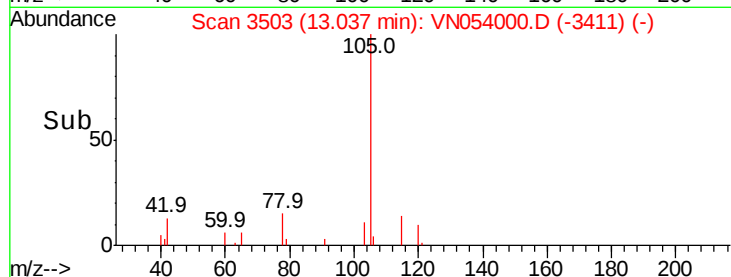
2000

1000

0

Time-->

13.00 13.05



#93

1,2,4-Trichlorobenzene

Concen: 2.227 ug/l

RT: 14.90 min Scan# 4083

Delta R.T. -0.01 min

Lab File: VN054000.D

Acq: 28 Feb 2019 13:26

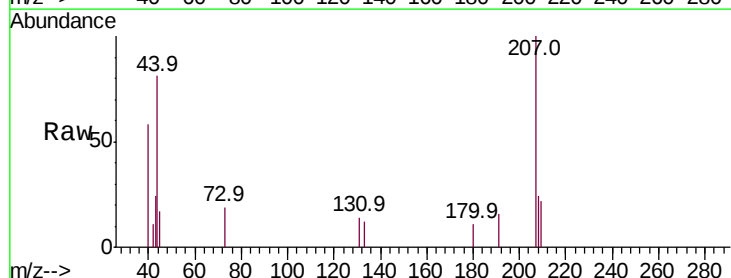
Tgt Ion:180 Resp: 31

Ion Ratio Lower Upper

180 100

182 203.2 48.6 145.9#

145 196.8 13.8 41.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

200

150

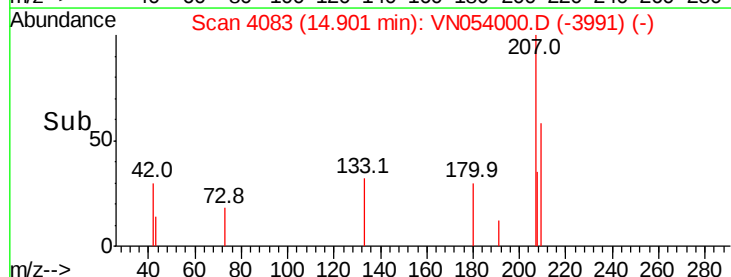
100

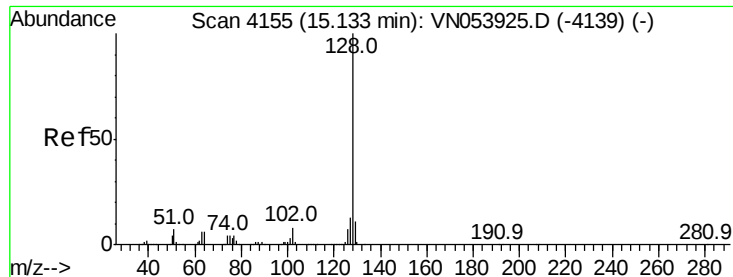
50

0

Time-->

14.89 14.90 14.91





#95

Naphthalene

Concen: 3.465 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054000.D

Acq: 28 Feb 2019 13:26

Instrument :

MSVOA\_N

ClientSampleId :

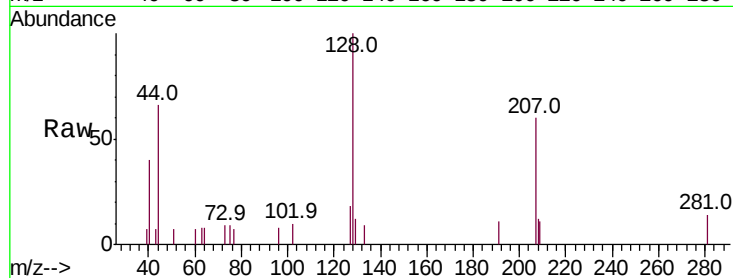
Tot Ion:128 Resp: 4058

Ion Ratio Lower Upper

128 100

127 16.3 10.2 15.2#

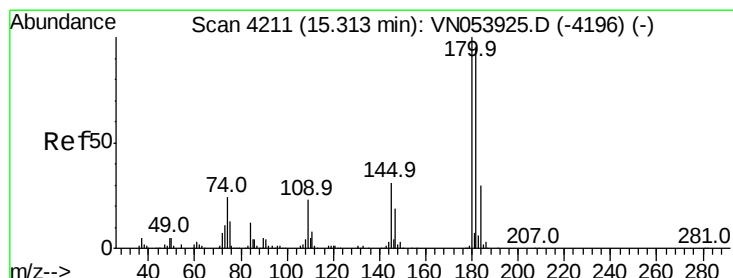
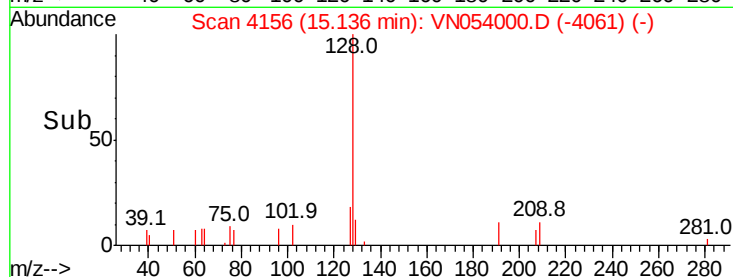
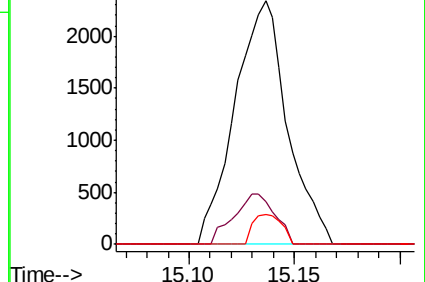
129 6.8 8.6 12.8#



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



#96

1,2,3-Trichlorobenzene

Concen: 1.562 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN054000.D

Acq: 28 Feb 2019 13:26

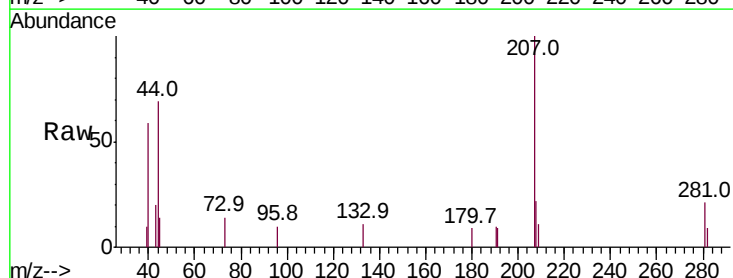
Tgt Ion:180 Resp: 29

Ion Ratio Lower Upper

180 100

182 327.6 47.3 141.8#

145 0.0 14.4 43.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

