

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\  
 Data File : VN054129.D  
 Acq On : 6 Mar 2019 20:52  
 Operator : JC/SP  
 Sample : K1754-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PLA-21835

Quant Time: Mar 07 07:47:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N030619W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 07 06:25:49 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 618847   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 1138890  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1140363  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 499317   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 386508   | 52.01 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.02% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 357305   | 48.30 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.60%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 1450684  | 51.65 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.30% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 542380   | 59.31 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 118.62% |      |

## Target Compounds

|                               |       |     |         |         |        | Qvalue |
|-------------------------------|-------|-----|---------|---------|--------|--------|
| 11) Tert butyl alcohol        | 4.78  | 59  | 52958   | 117.124 | ug/l   | 99     |
| 15) Acrylonitrile             | 5.05  | 53  | 74      | 0.029   | ug/l # | 12     |
| 18) Methyl Acetate            | 4.32  | 43  | 576223  | 106.778 | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.03  | 73  | 2570    | 0.153   | ug/l # | 3      |
| 25) 2-Butanone                | 6.83  | 43  | 431721  | 141.753 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.68  | 77  | 150     | 0.017   | ug/l # | 52     |
| 29) Tetrahydrofuran           | 7.21  | 42  | 206     | 0.103   | ug/l # | 63     |
| 30) Chloroform                | 7.64  | 83  | 499     | 0.041   | ug/l # | 25     |
| 32) 1,1,1-Trichloroethane     | 7.65  | 97  | 65      | 0.007   | ug/l # | 1      |
| 37) Ethyl Acetate             | 6.93  | 43  | 104315  | 13.562  | ug/l   | 98     |
| 39) Methylcyclohexane         | 9.08  | 83  | 17378   | 1.409   | ug/l   | 95     |
| 40) Benzene                   | 8.04  | 78  | 1855206 | 58.660  | ug/l   | 100    |
| 41) Methacrylonitrile         | 7.18  | 41  | 782     | 0.195   | ug/l # | 100    |
| 45) 1,2-Dichloropropane       | 9.15  | 63  | 181     | 0.021   | ug/l # | 44     |
| 47) Bromodichloromethane      | 9.19  | 83  | 697     | 0.067   | ug/l # | 41     |
| 52) Toluene                   | 10.16 | 92  | 860554  | 45.928  | ug/l   | 99     |
| 53) t-1,3-Dichloropropene     | 10.28 | 75  | 1463    | 0.142   | ug/l # | 1      |
| 54) cis-1,3-Dichloropropene   | 9.82  | 75  | 101     | 0.008   | ug/l # | 65     |
| 55) 1,1,2-Trichloroethane     | 10.54 | 97  | 335     | 0.047   | ug/l # | 15     |
| 56) Ethyl methacrylate        | 10.44 | 69  | 203     | 0.025   | ug/l # | 25     |
| 57) 1,3-Dichloropropane       | 10.77 | 76  | 64      | 0.005   | ug/l # | 42     |
| 58) 2-Chloroethyl Vinyl ether | 9.70  | 63  | 148     | 0.039   | ug/l # | 50     |
| 60) Dibromochloromethane      | 10.63 | 129 | 111     | 0.015   | ug/l # | 11     |
| 64) Tetrachloroethene         | 10.63 | 164 | 109     | 0.012   | ug/l # | 54     |
| 65) Chlorobenzene             | 11.44 | 112 | 780     | 0.033   | ug/l # | 43     |
| 66) 1,1,1,2-Tetrachloroethane | 11.54 | 131 | 383     | 0.045   | ug/l # | 8      |
| 67) Ethyl Benzene             | 11.51 | 91  | 142079  | 3.578   | ug/l   | 99     |
| 68) m/p-Xylenes               | 11.62 | 106 | 283749  | 18.934  | ug/l   | 100    |
| 69) o-Xylene                  | 11.95 | 106 | 91824   | 6.367   | ug/l   | 96     |
| 71) Bromoform                 | 12.38 | 173 | 147     | 0.025   | ug/l # | 29     |
| 74) N-amyl acetate            | 12.07 | 43  | 906     | 0.086   | ug/l # | 65     |
| 80) 1,3,5-Trimethylbenzene    | 12.73 | 105 | 64369   | 1.993   | ug/l   | 97     |
| 83) tert-Butylbenzene         | 13.00 | 119 | 1318    | 0.046   | ug/l   | 97     |
| 84) 1,2,4-Trimethylbenzene    | 13.04 | 105 | 205154  | 6.400   | ug/l   | 98     |

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Sample : K1754-02  
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ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
PLA-21835

Quant Time: Mar 07 07:47:39 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N030619W.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 07 06:25:49 2019  
Response via : Initial Calibration

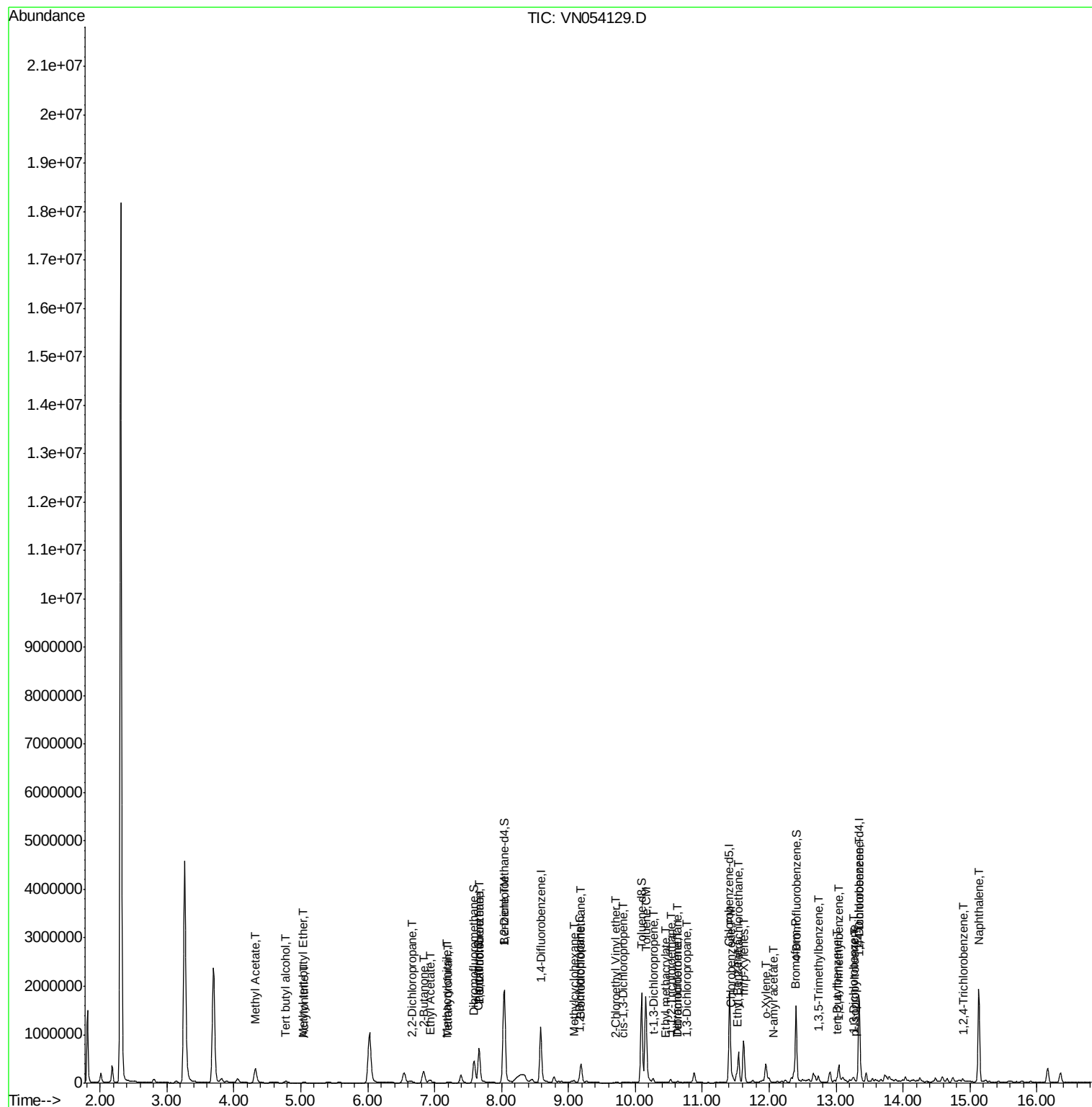
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|----------------------------|-------|------|----------|--------|--------|----------|
| 86) p-Isopropyltoluene     | 13.29 | 119  | 6300     | 0.193  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene    | 13.27 | 146  | 638      | 0.037  | ug/l # | 57       |
| 88) 1,4-Dichlorobenzene    | 13.36 | 146  | 981      | 0.057  | ug/l # | 1        |
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 565      | 0.068  | ug/l # | 35       |
| 95) Naphthalene            | 15.13 | 128  | 1704326  | 86.988 | ug/l   | 100      |

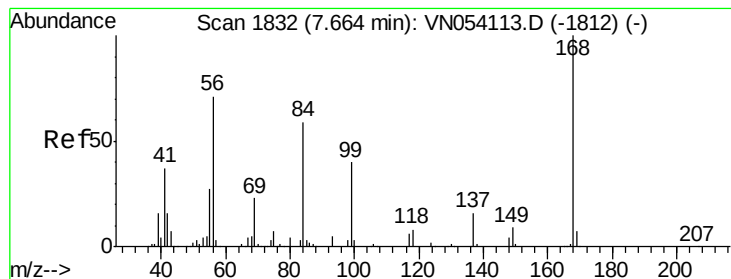
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA\_N

ClientSampled :

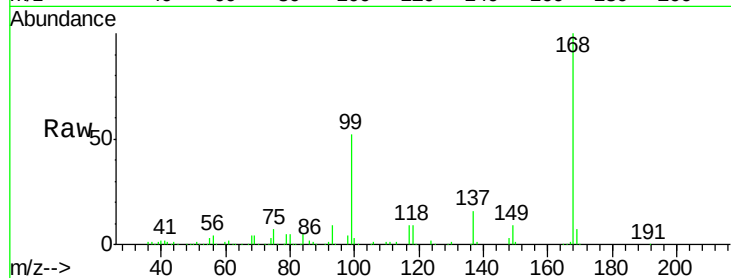
PLA-21835

Tot Ion:168 Resp: 618847

Ion Ratio Lower Upper

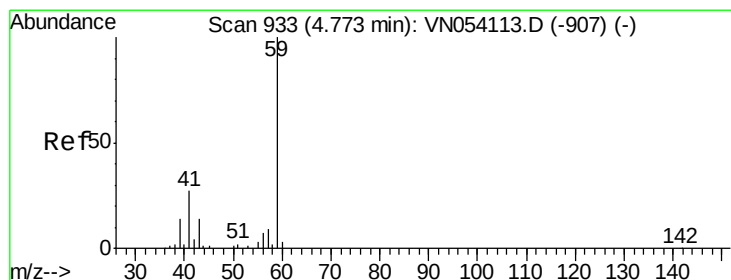
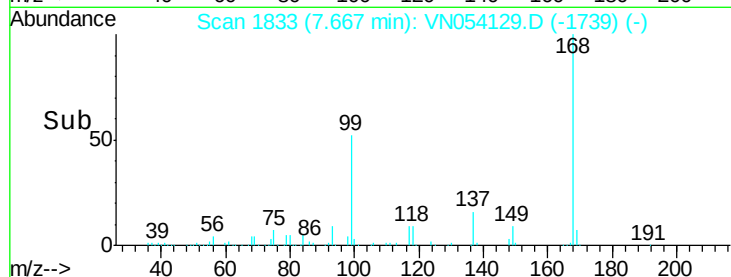
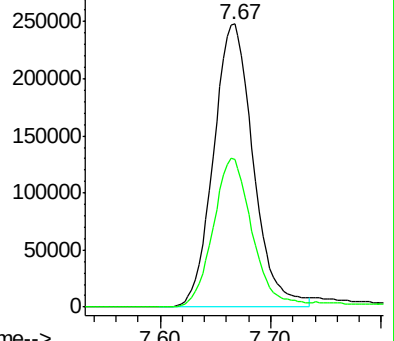
168 100

99 52.2 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 117.124 ug/l

RT: 4.78 min Scan# 934

Delta R.T. 0.00 min

Lab File: VN054129.D

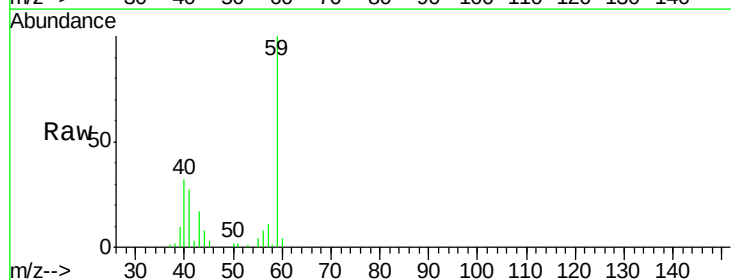
Acq: 6 Mar 2019 20:52

Tgt Ion: 59 Resp: 52958

Ion Ratio Lower Upper

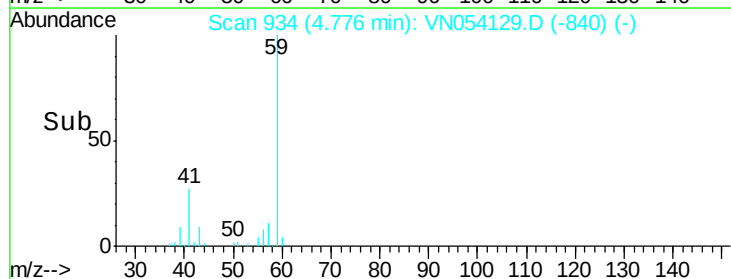
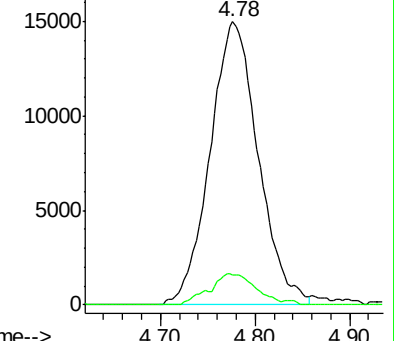
59 100

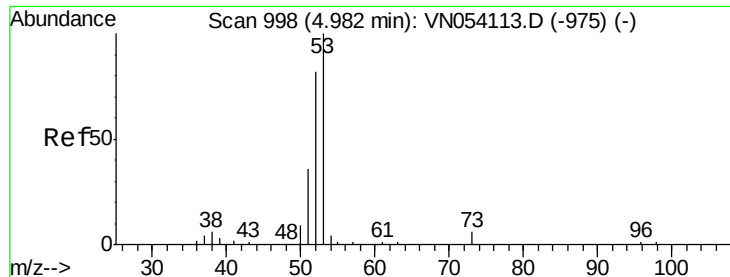
57 10.5 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#15

Acrylonitrile

Concen: 0.029 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.06 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA\_N

ClientSampleId :

PLA-21835

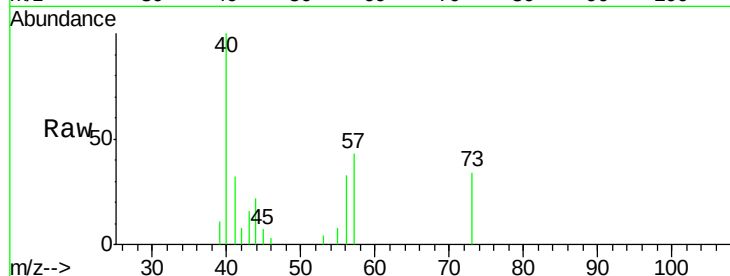
Tot Ion: 53 Resp: 74

Ion Ratio Lower Upper

53 100

52 0.0 64.6 97.0#

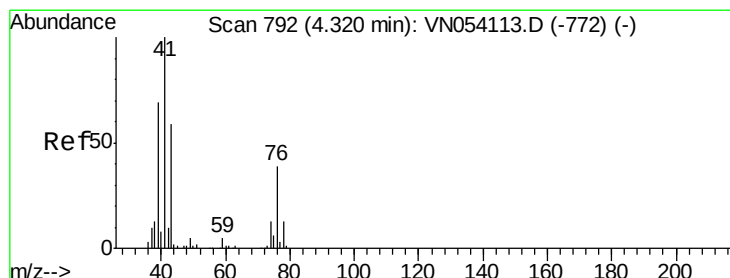
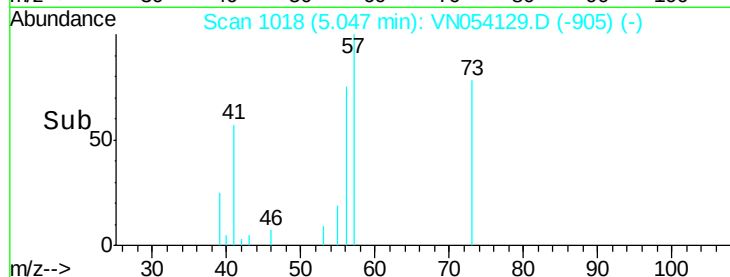
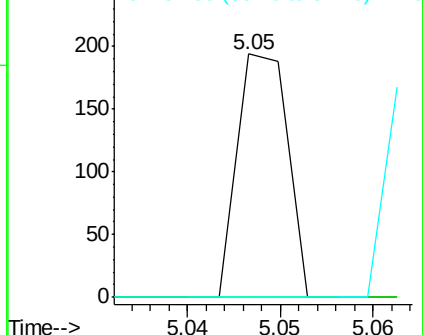
51 83.8 28.6 42.8#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#18

Methyl Acetate

Concen: 106.778 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054129.D

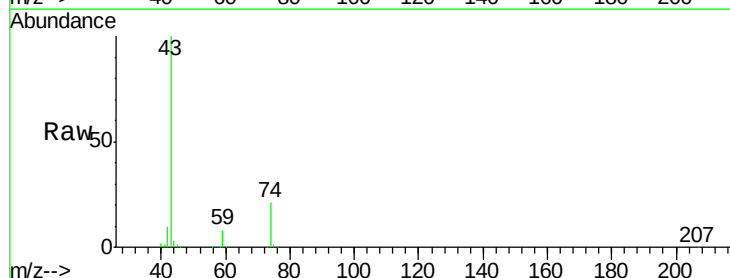
Acq: 6 Mar 2019 20:52

Tgt Ion: 43 Resp: 576223

Ion Ratio Lower Upper

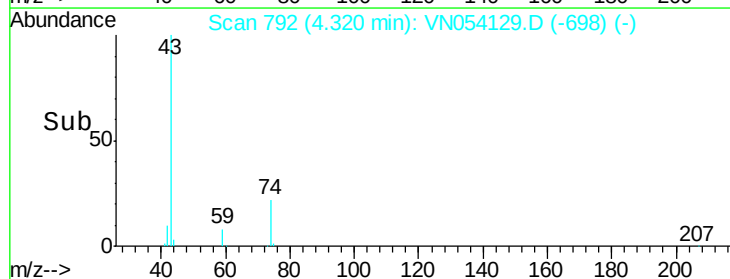
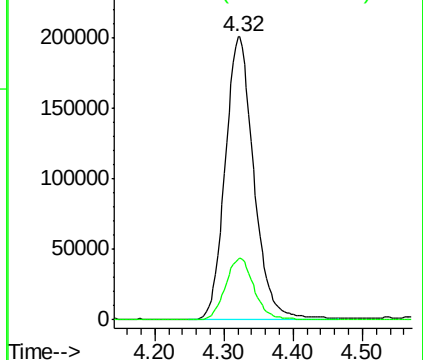
43 100

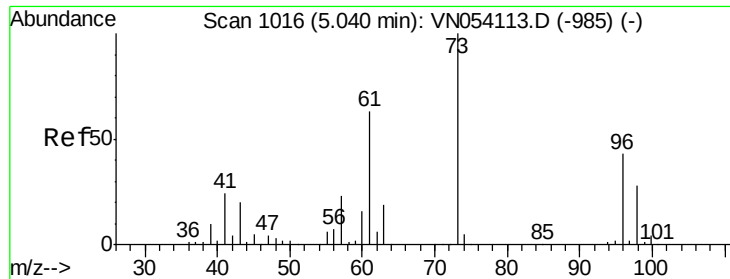
74 22.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

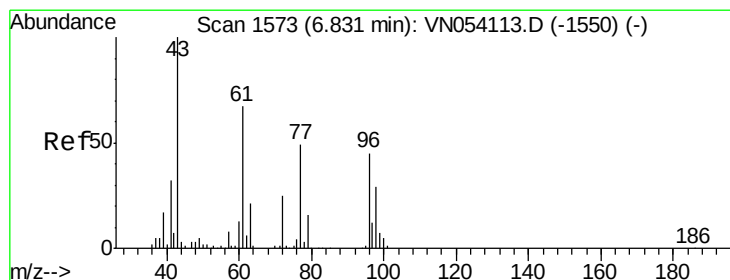
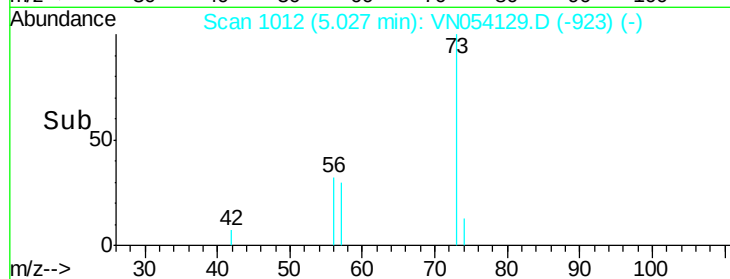
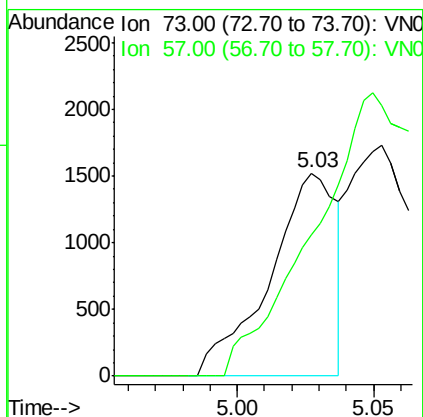
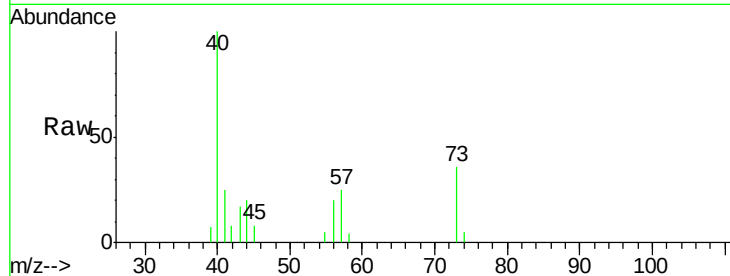




#19  
Methyl tert-butyl Ether  
Concen: 0.153 ug/l  
RT: 5.03 min Scan# 1012  
Delta R.T. -0.01 min  
Lab File: VN054129.D  
Acq: 6 Mar 2019 20:52

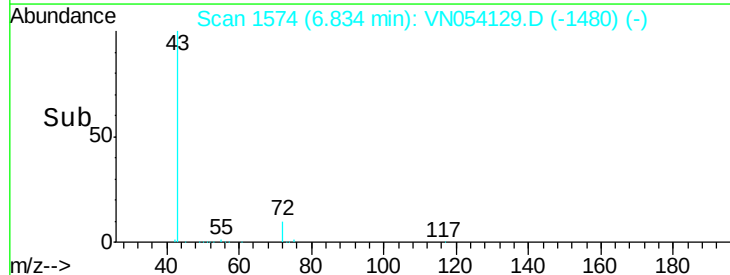
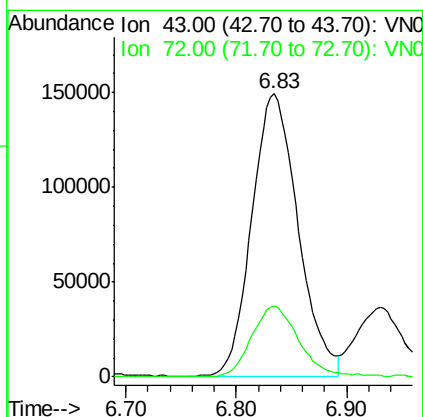
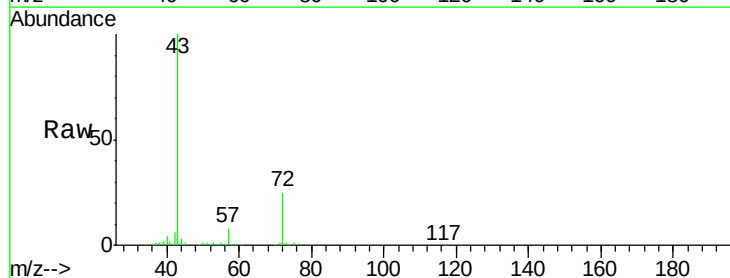
Instrument :  
MSVOA\_N  
ClientSampleId :  
PLA-21835

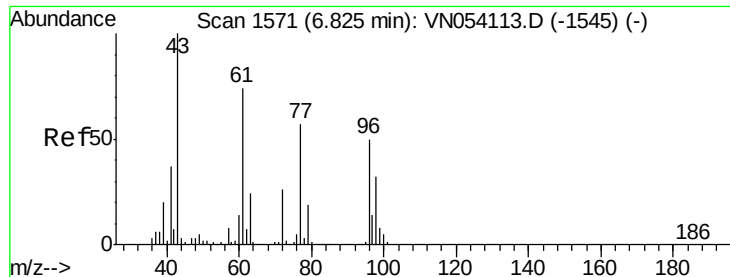
Tot Ion: 73 Resp: 2570  
Ion Ratio Lower Upper  
73 100  
57 69.6 18.2 27.4#



#25  
2-Butanone  
Concen: 141.753 ug/l  
RT: 6.83 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VN054129.D  
Acq: 6 Mar 2019 20:52

Tgt Ion: 43 Resp: 431721  
Ion Ratio Lower Upper  
43 100  
72 24.9 20.2 30.2

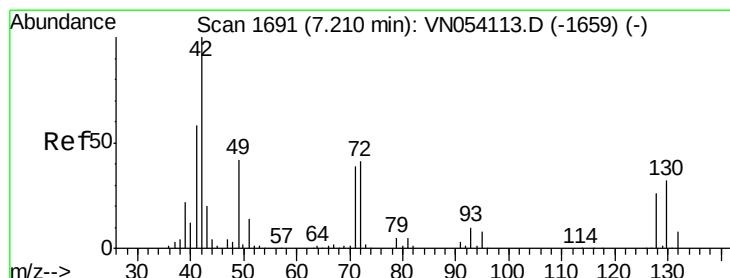
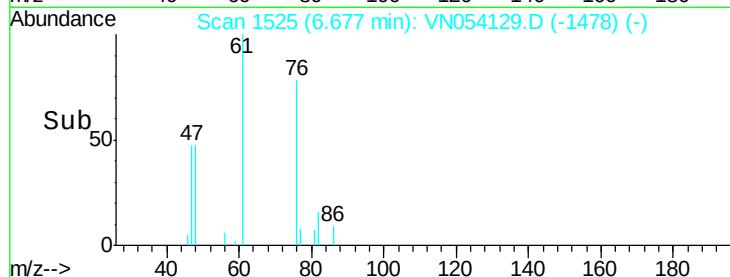
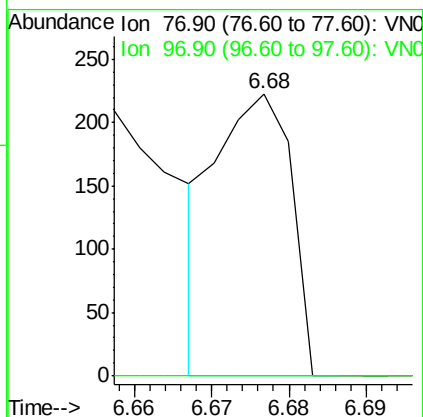
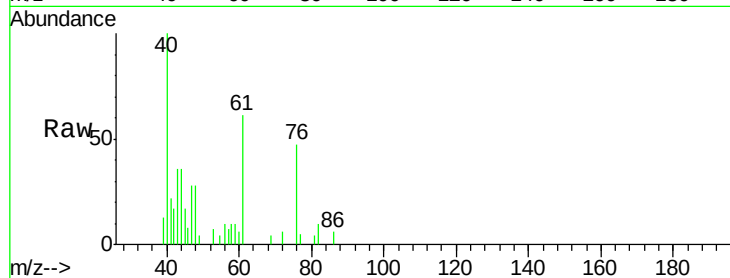




#26  
 2,2-Dichloropropane  
 Concen: 0.017 ug/l  
 RT: 6.68 min Scan# 1525  
 Delta R.T. -0.15 min  
 Lab File: VN054129.D  
 Acq: 6 Mar 2019 20:52

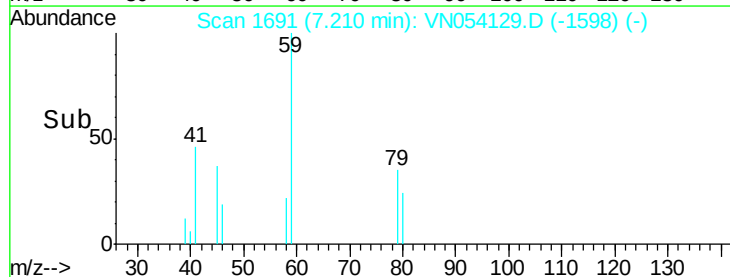
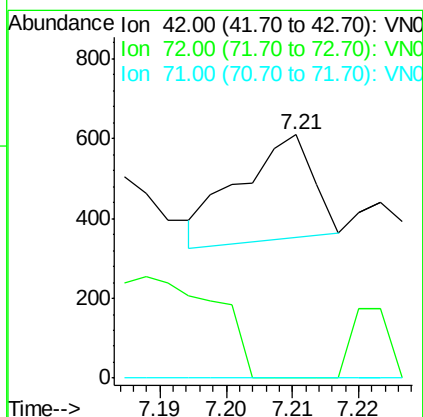
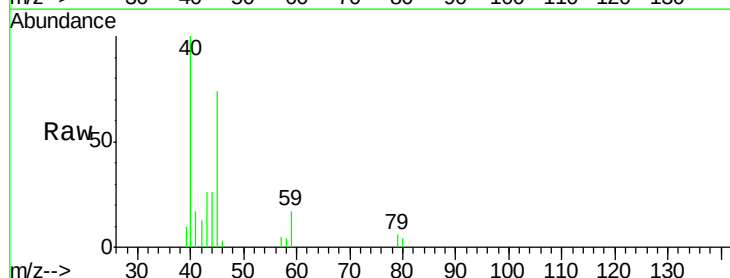
Instrument :  
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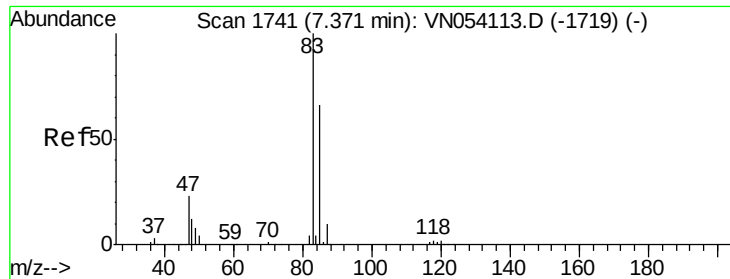
Tot Ion: 77 Resp: 150  
 Ion Ratio Lower Upper  
 77 100  
 97 0.0 11.8 35.3#



#29  
 Tetrahydrofuran  
 Concen: 0.103 ug/l  
 RT: 7.21 min Scan# 1691  
 Delta R.T. 0.00 min  
 Lab File: VN054129.D  
 Acq: 6 Mar 2019 20:52

Tgt Ion: 42 Resp: 206  
 Ion Ratio Lower Upper  
 42 100  
 72 32.5 32.8 49.2#  
 71 0.0 30.5 45.7#

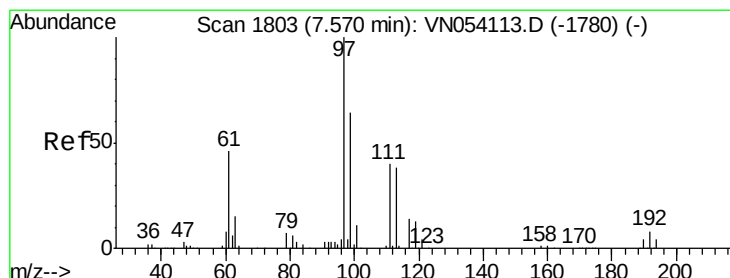
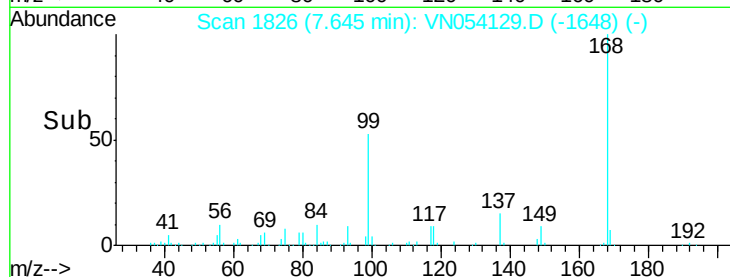
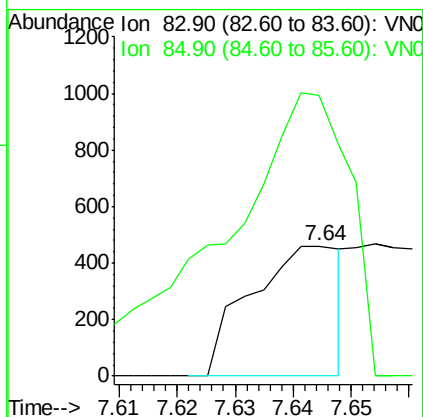
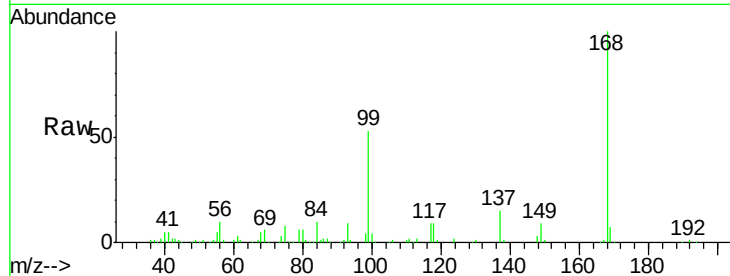




#30  
Chloroform  
Concen: 0.041 ug/l  
RT: 7.64 min Scan# 1826  
Delta R.T. 0.27 min  
Lab File: VN054129.D  
Acq: 6 Mar 2019 20:52

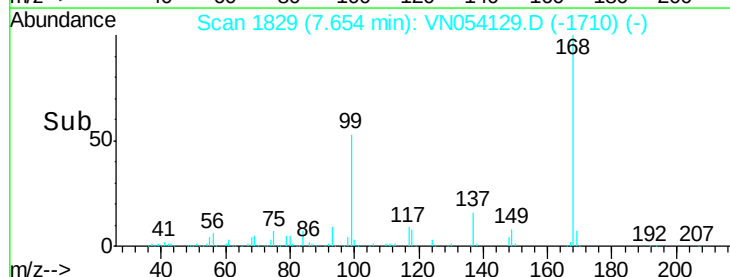
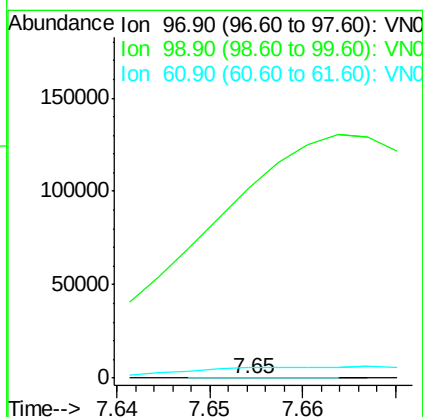
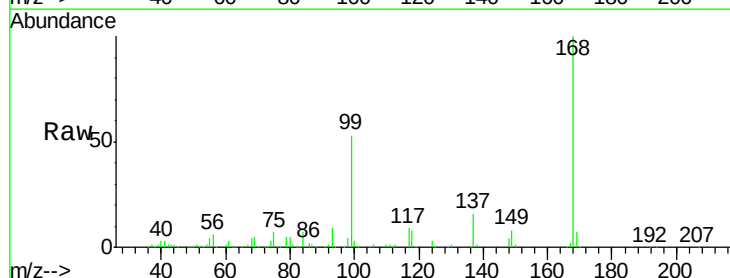
Instrument :  
MSVOA\_N  
ClientSampled :  
PLA-21835

Tot Ion: 83 Resp: 499  
Ion Ratio Lower Upper  
83 100  
85 126.3 53.1 79.7#

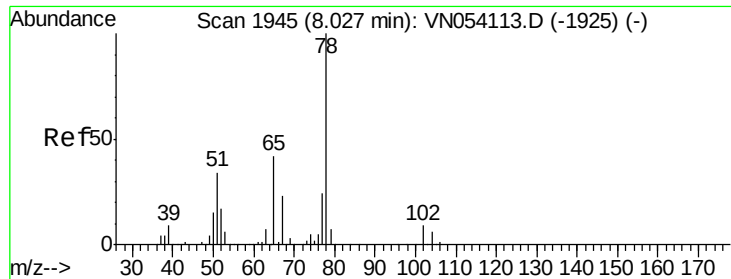


#32  
1,1,1-Trichloroethane  
Concen: 0.007 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. 0.08 min  
Lab File: VN054129.D  
Acq: 6 Mar 2019 20:52

Tgt Ion: 97 Resp: 65  
Ion Ratio Lower Upper  
97 100  
99 490578.5 51.2 76.8#  
61 24046.2 37.1 55.7#



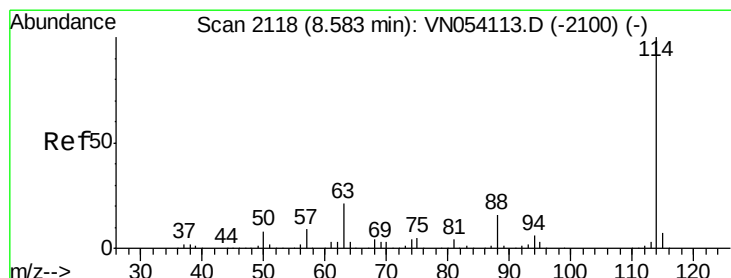
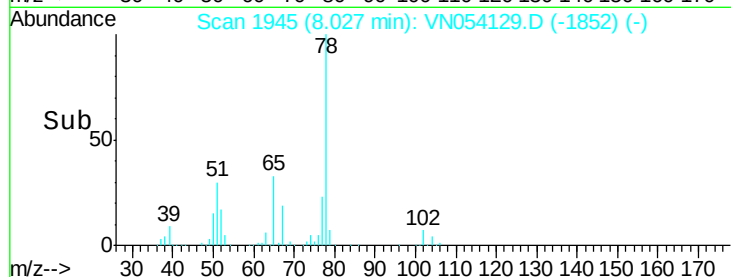
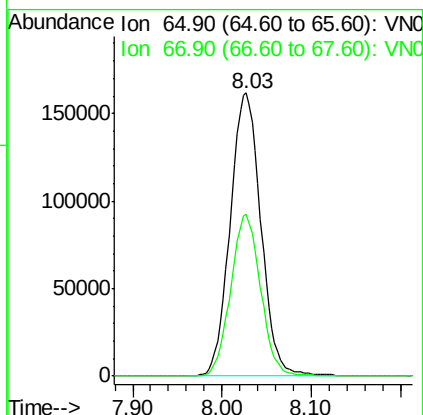
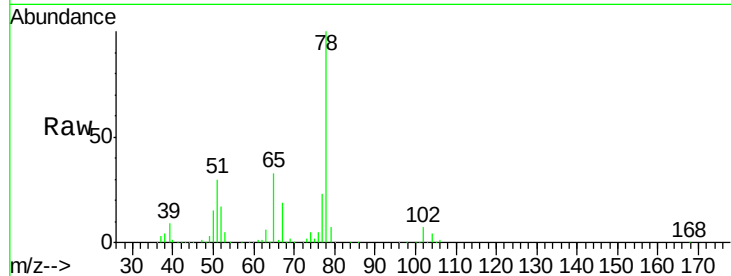




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.005 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN054129.D  
 Acq: 6 Mar 2019 20:52

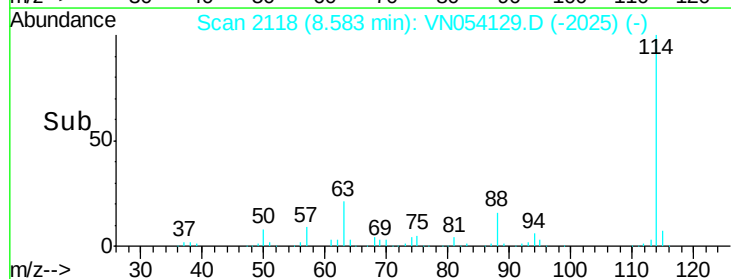
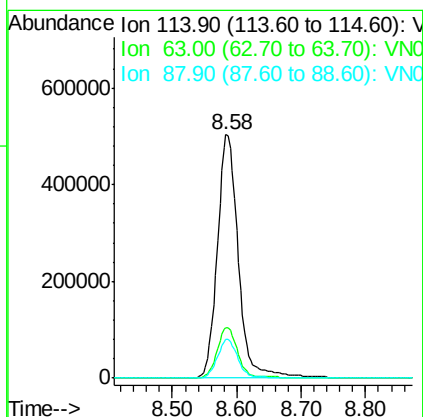
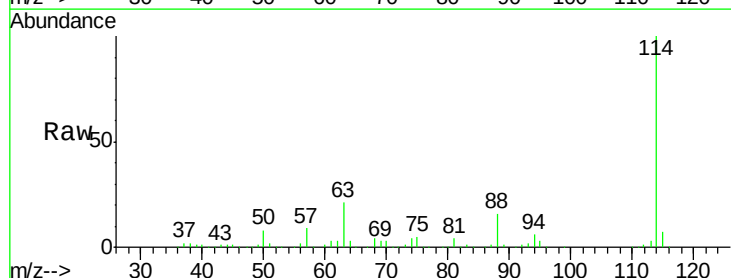
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PLA-21835

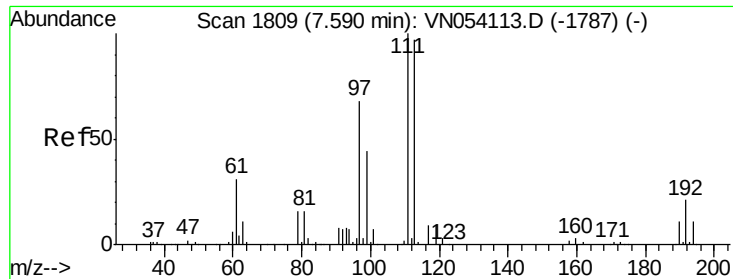
Tot Ion: 65 Resp: 386508  
 Ion Ratio Lower Upper  
 65 100  
 67 55.5 0.0 109.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN054129.D  
 Acq: 6 Mar 2019 20:52

Tgt Ion: 114 Resp: 1138890  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 42.6  
 88 16.0 0.0 31.8

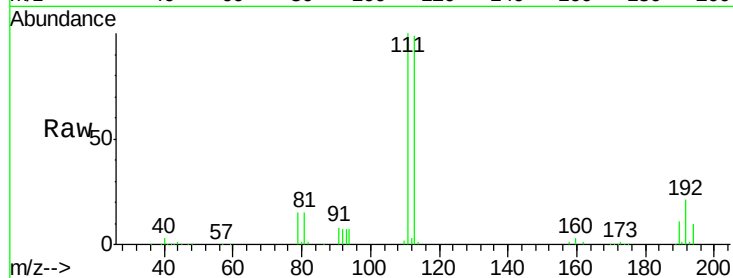




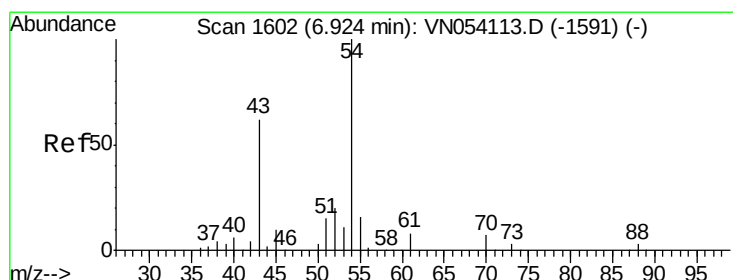
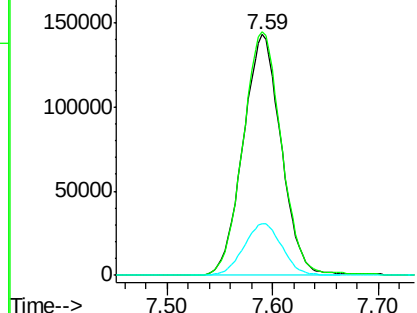
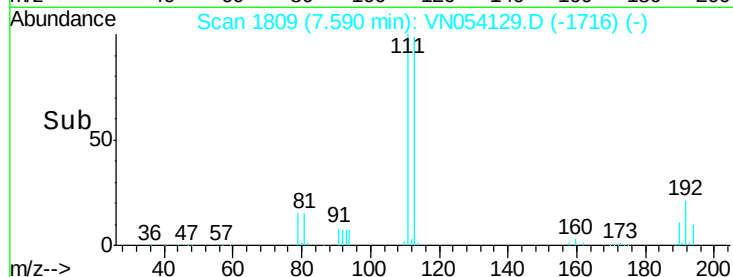
#35  
 Dibromofluoromethane  
 Concen: 48.305 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN054129.D  
 Acq: 6 Mar 2019 20:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PLA-21835

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.0 | 82.1  | 123.1 |
| 192     | 21.7  | 17.4  | 26.0  |

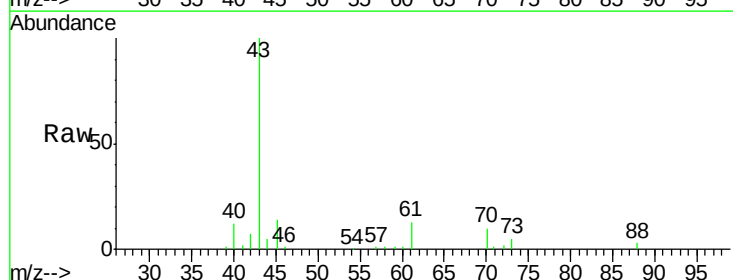


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

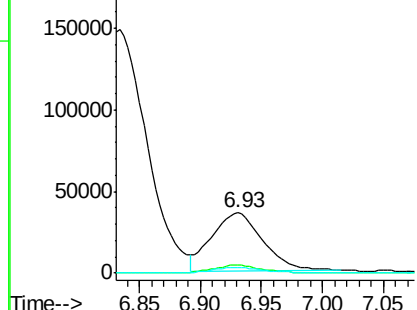
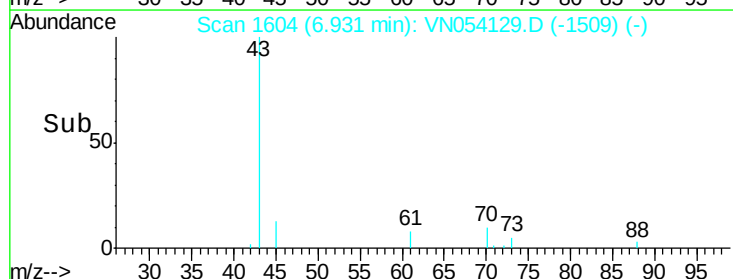


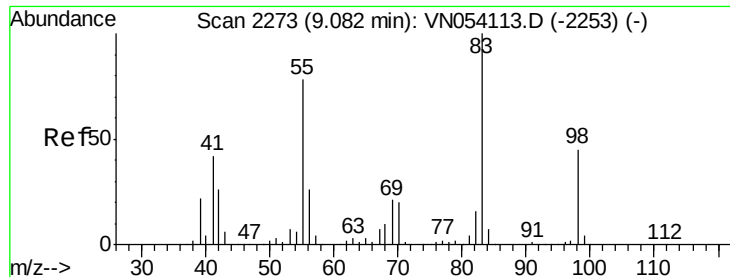
#37  
 Ethyl Acetate  
 Concen: 13.562 ug/l  
 RT: 6.93 min Scan# 1604  
 Delta R.T. 0.01 min  
 Lab File: VN054129.D  
 Acq: 6 Mar 2019 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.4  | 11.1  | 16.7  |
| 70      | 10.3  | 7.6   | 11.4  |



Abundance Ion 43.00 (42.70 to 43.70): V  
 Ion 60.90 (60.60 to 61.60): V  
 Ion 70.00 (69.70 to 70.70): V

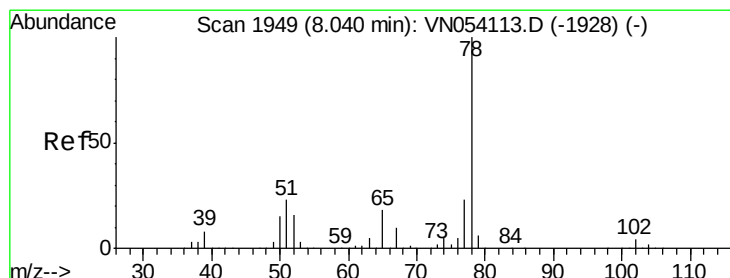
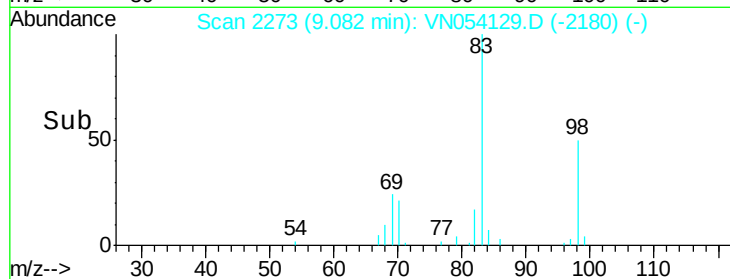
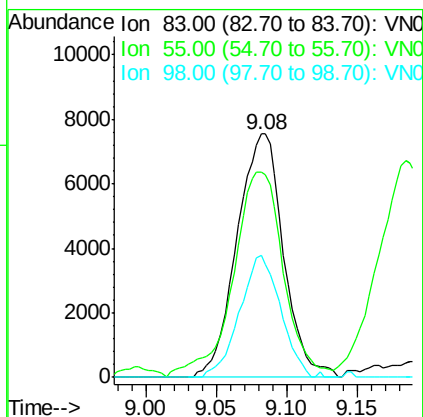
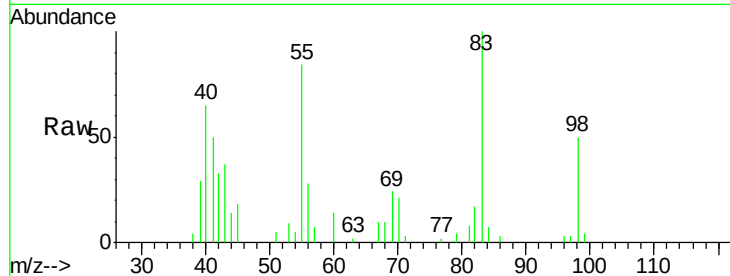




#39  
Methylvclclohexane  
Concen: 1.409 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN054129.D  
Acq: 6 Mar 2019 20:52

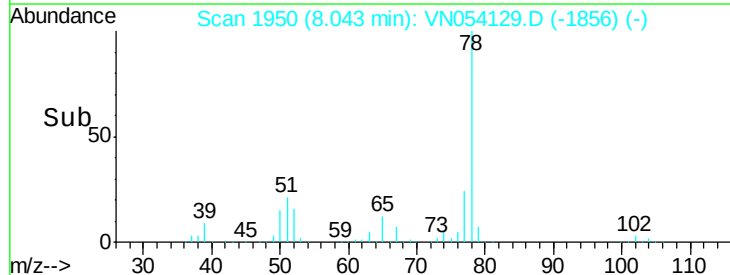
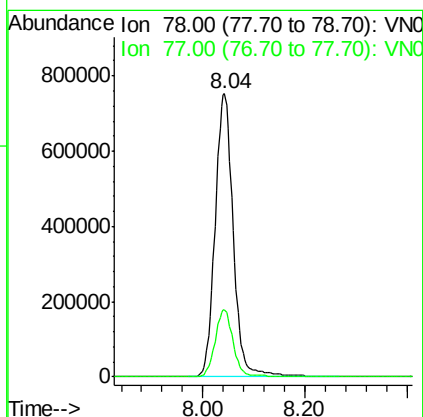
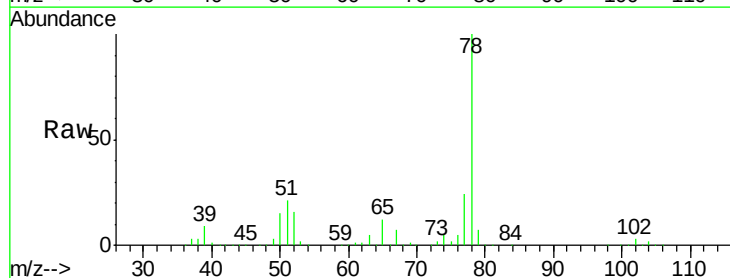
Instrument :  
MSVOA\_N  
ClientSampleId :  
PLA-21835

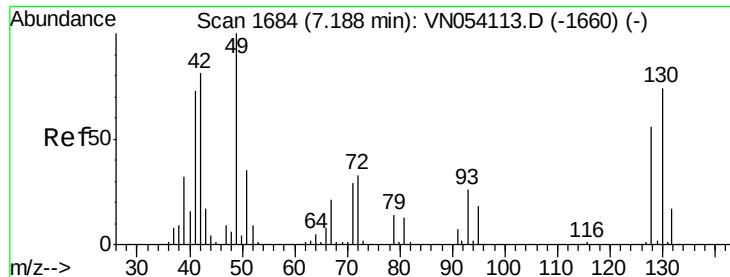
Tot Ion: 83 Resp: 17378  
Ion Ratio Lower Upper  
83 100  
55 80.0 62.1 93.1  
98 50.1 36.0 54.0



#40  
Benzene  
Concen: 58.660 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN054129.D  
Acq: 6 Mar 2019 20:52

Tgt Ion: 78 Resp: 1855206  
Ion Ratio Lower Upper  
78 100  
77 23.6 18.7 28.1

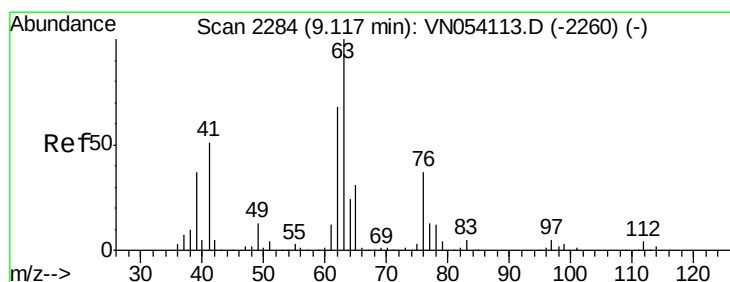
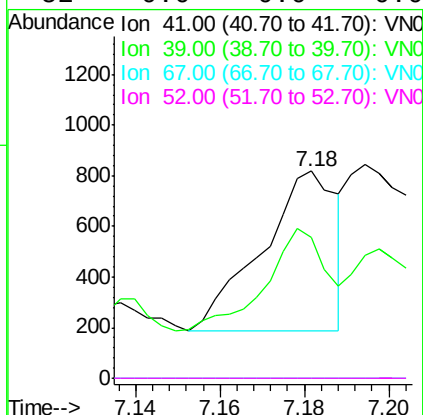
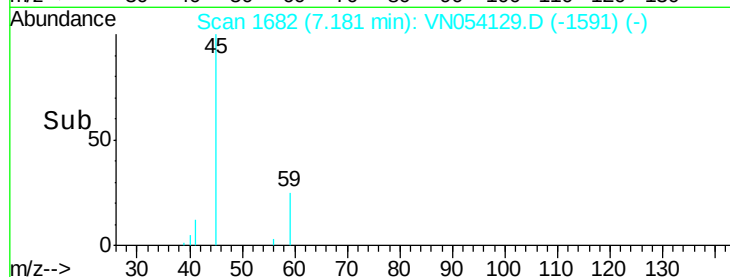
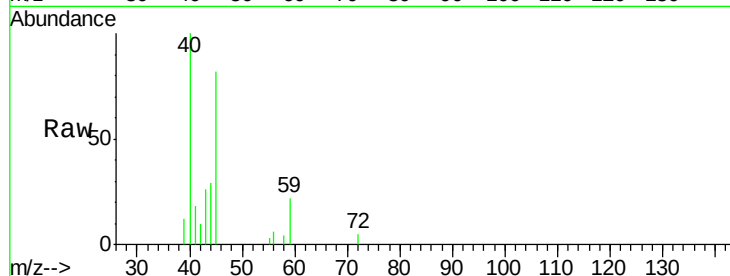




#41  
Methacrylonitrile  
Concen: 0.195 ug/l  
RT: 7.18 min Scan# 1682  
Delta R.T. -0.01 min  
Lab File: VN054129.D  
Acq: 6 Mar 2019 20:52

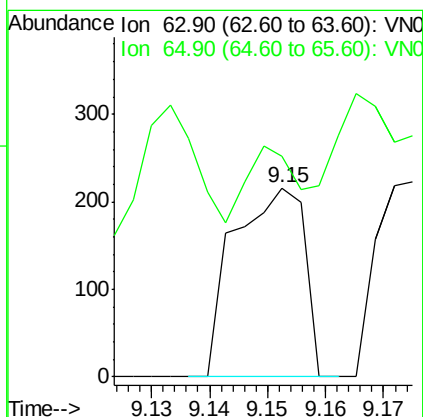
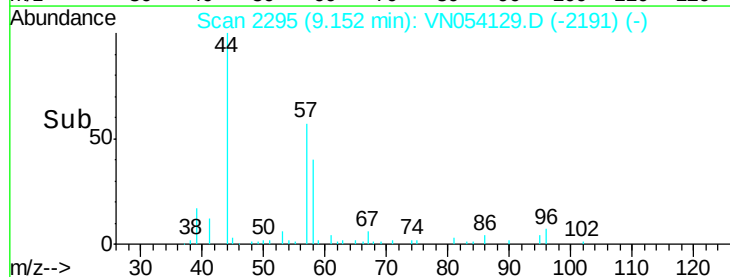
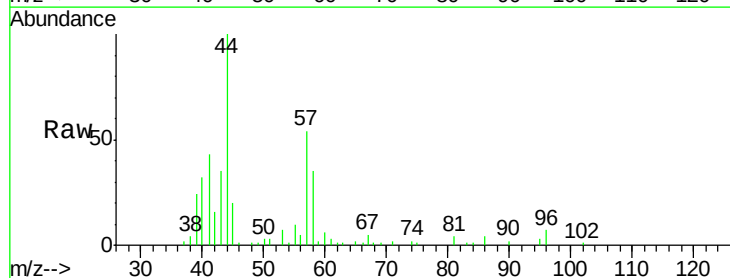
Instrument :  
MSVOA\_N  
ClientSampled :  
PLA-21835

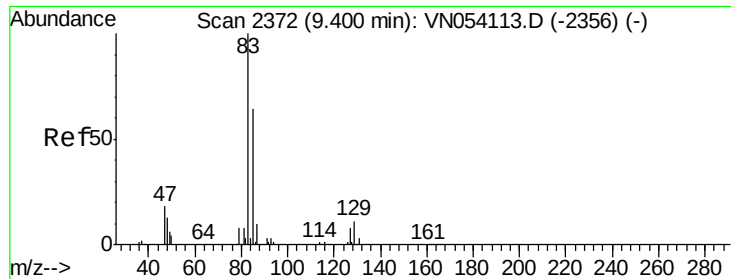
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 782   |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 50.0  | 0.0   | 0.0#  |
| 67       | 0.0   | 0.0   | 0.0   |
| 52       | 0.0   | 0.0   | 0.0   |



#45  
1,2-Dichloropropane  
Concen: 0.021 ug/l  
RT: 9.15 min Scan# 2295  
Delta R.T. 0.04 min  
Lab File: VN054129.D  
Acq: 6 Mar 2019 20:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 181   |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 0.0   | 24.6  | 36.8# |





#47

Bromodichloromethane

Concen: 0.067 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.21 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA\_N

ClientSampleId :

PLA-21835

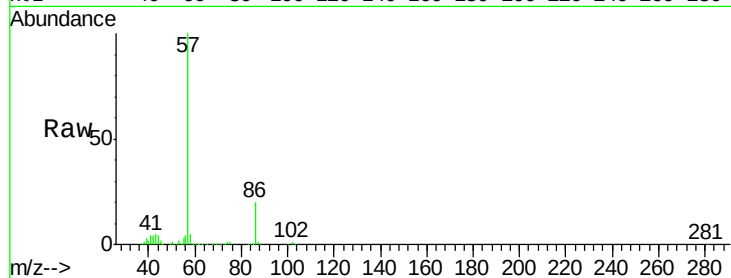
Tot Ion: 83 Resp: 697

Ion Ratio Lower Upper

83 100

85 113.1 51.0 76.4#

127 0.0 6.5 9.7#

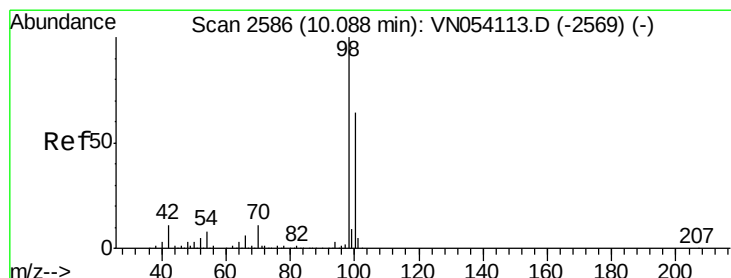
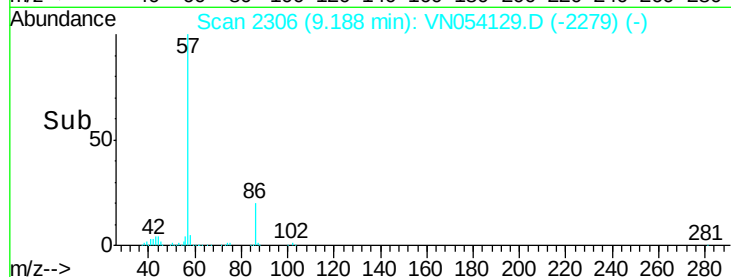


Abundance Ion 82.90 (82.60 to 83.60): VN054129.D (-2279) (-)

Ion 84.90 (84.60 to 85.60): VN054129.D (-2279) (-)

Ion 126.80 (126.50 to 127.50): VN054129.D (-2279) (-)

Time-->



#50

Toluene-d8

Concen: 51.646 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054129.D

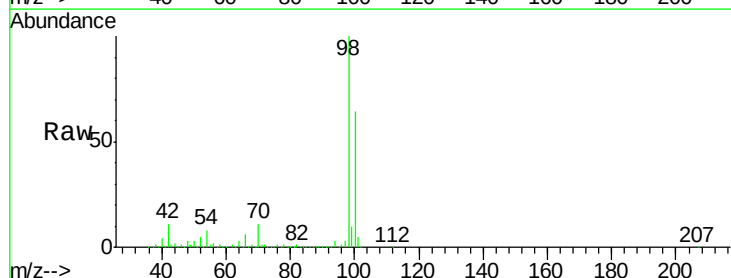
Acq: 6 Mar 2019 20:52

Tgt Ion: 98 Resp: 1450684

Ion Ratio Lower Upper

98 100

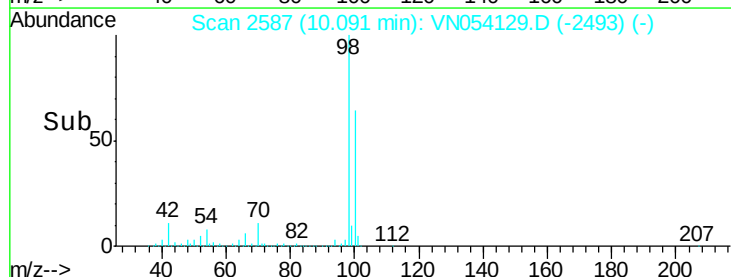
100 64.2 51.7 77.5

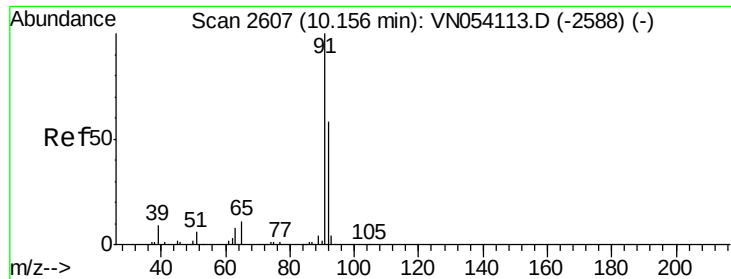


Abundance Ion 98.00 (97.70 to 98.70): VN054129.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN054129.D (-2493) (-)

Time-->





#52

Toluene

Concen: 45.928 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA\_N

ClientSampled :

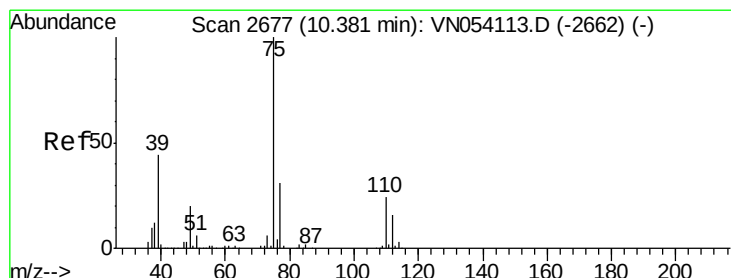
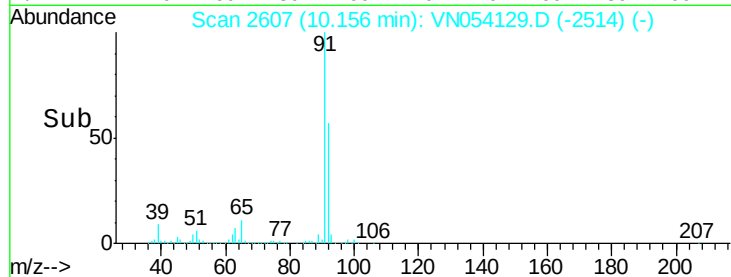
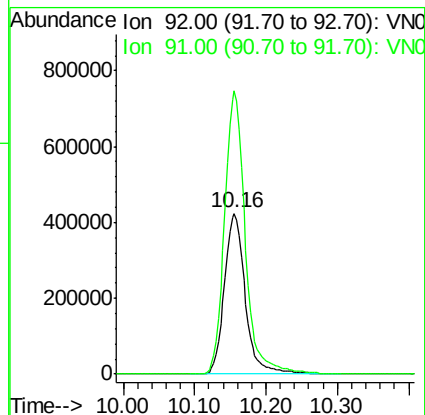
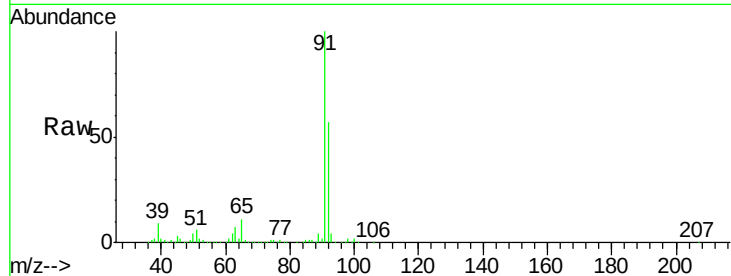
PLA-21835

Tot Ion: 92 Resp: 860554

Ion Ratio Lower Upper

92 100

91 174.9 139.0 208.6



#53

t-1,3-Dichloropropene

Concen: 0.142 ug/l

RT: 10.28 min Scan# 2645

Delta R.T. -0.10 min

Lab File: VN054129.D

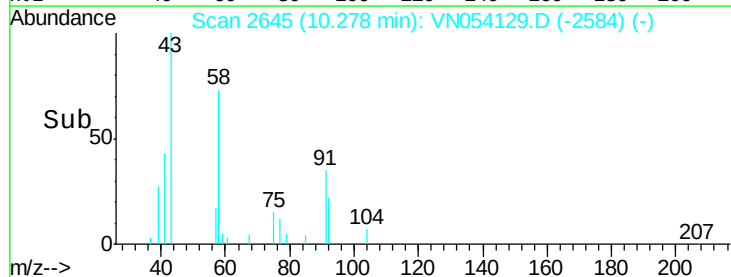
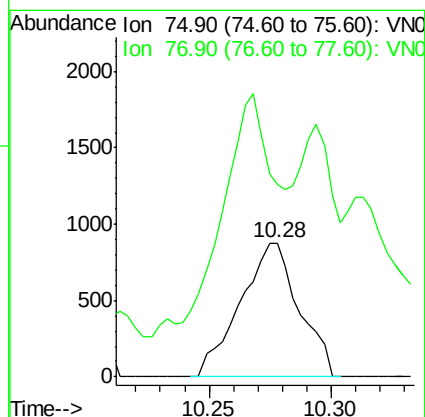
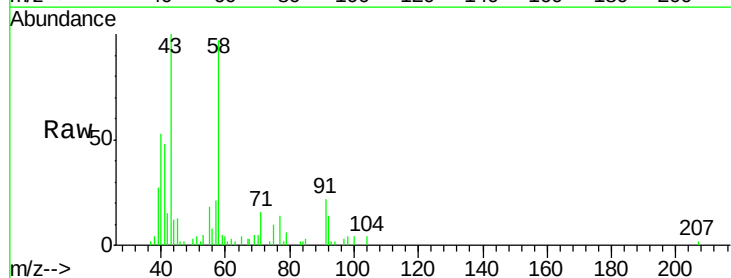
Acq: 6 Mar 2019 20:52

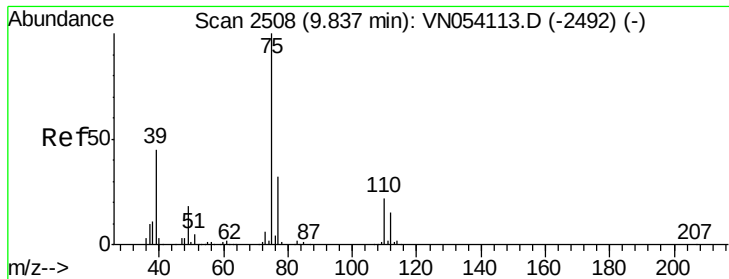
Tgt Ion: 75 Resp: 1463

Ion Ratio Lower Upper

75 100

77 94.3 24.9 37.3#





#54

cis-1,3-Dichloropropene

Concen: 0.008 ug/l

RT: 9.82 min Scan# 2503

Delta R.T. -0.02 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA\_N

ClientSampled :

PLA-21835

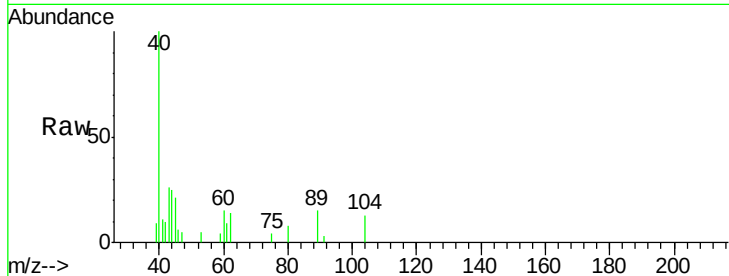
Tot Ion: 75 Resp: 101

Ion Ratio Lower Upper

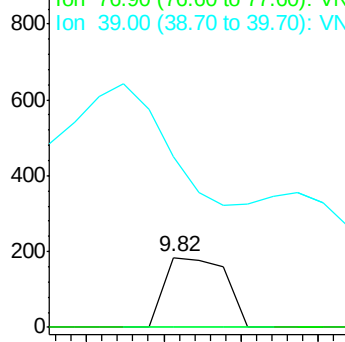
75 100

77 0.0 25.4 38.0#

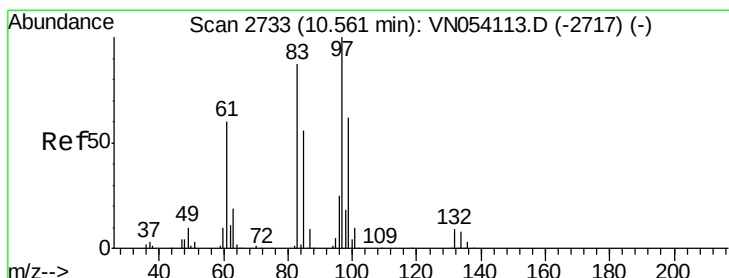
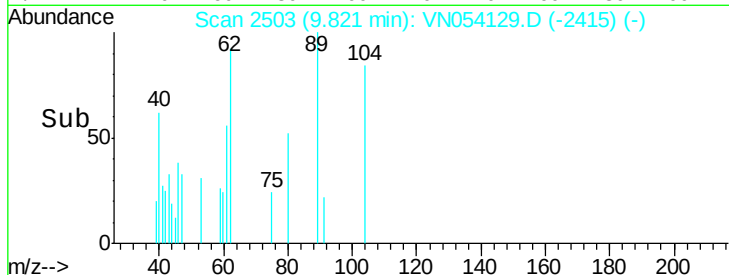
39 57.8 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 76.90 (76.60 to 77.60): VNO  
Ion 39.00 (38.70 to 39.70): VNO



Time-->



#55

1,1,2-Trichloroethane

Concen: 0.047 ug/l

RT: 10.54 min Scan# 2726

Delta R.T. -0.02 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Tgt Ion: 97 Resp: 335

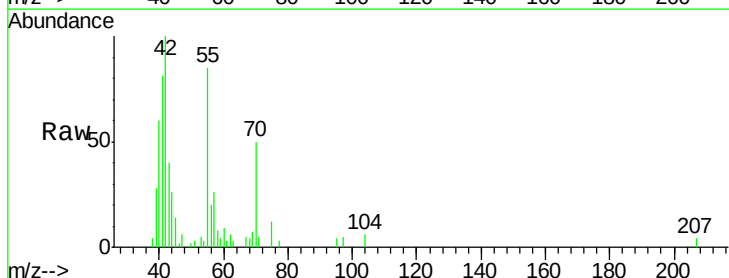
Ion Ratio Lower Upper

97 100

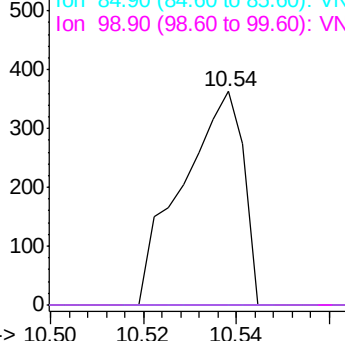
83 0.0 69.8 104.6#

85 0.0 45.0 67.4#

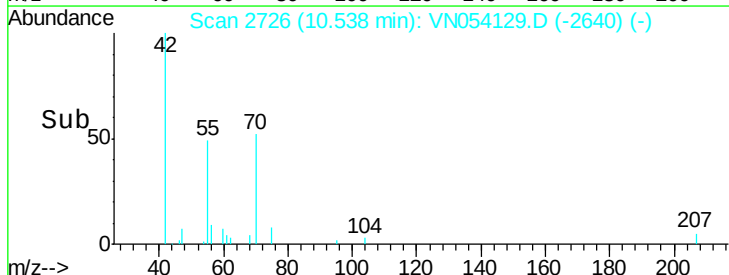
99 0.0 49.8 74.6#

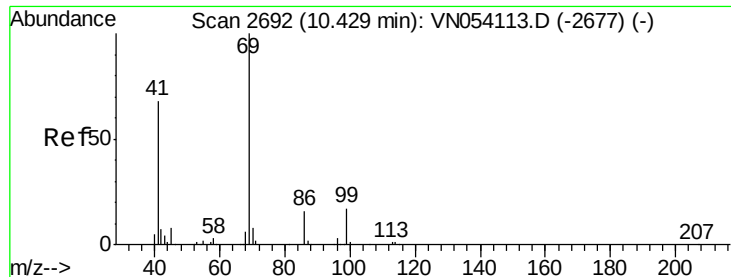


Abundance Ion 96.90 (96.60 to 97.60): VNO  
Ion 82.90 (82.60 to 83.60): VNO  
Ion 84.90 (84.60 to 85.60): VNO  
Ion 98.90 (98.60 to 99.60): VNO



Time-->





#56

Ethyl methacrylate

Concen: 0.025 ug/l

RT: 10.44 min Scan# 2694

Delta R.T. 0.01 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA\_N

ClientSampled :

PLA-21835

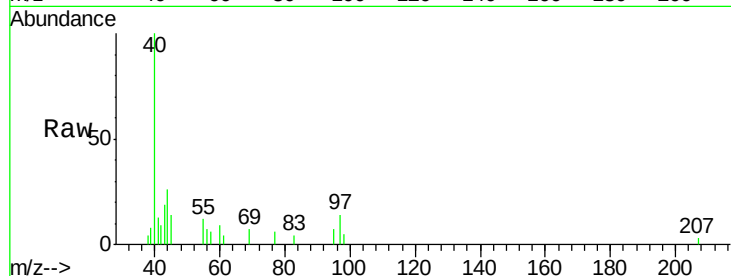
Tot Ion: 69 Resp: 203

Ion Ratio Lower Upper

69 100

41 0.0 53.4 80.2#

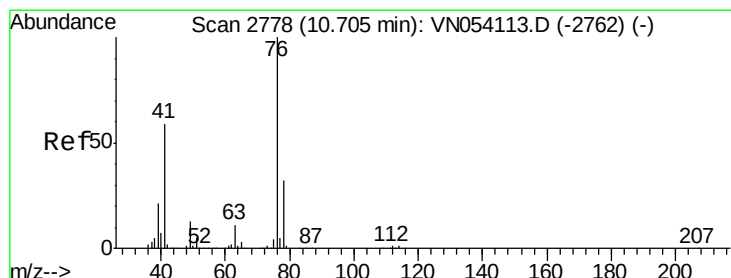
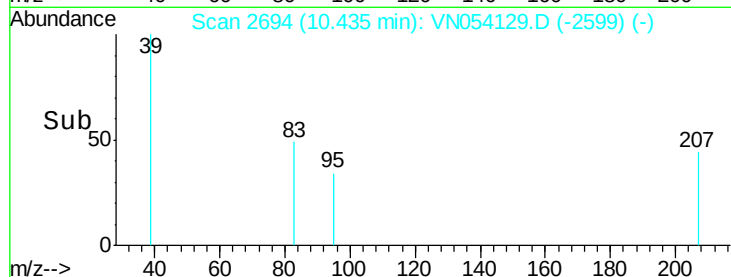
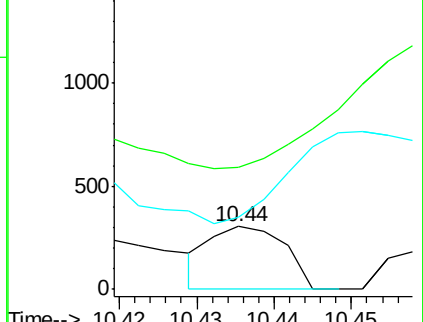
39 0.0 25.6 38.4#



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: 0.005 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN054129.D

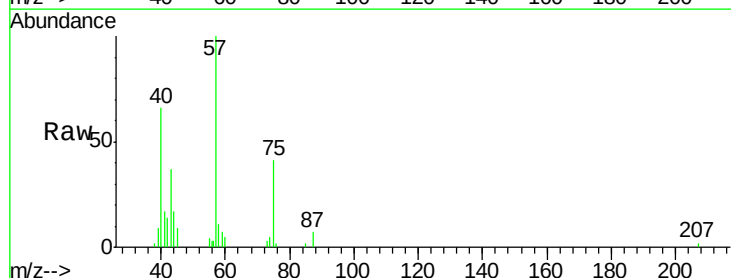
Acq: 6 Mar 2019 20:52

Tgt Ion: 76 Resp: 64

Ion Ratio Lower Upper

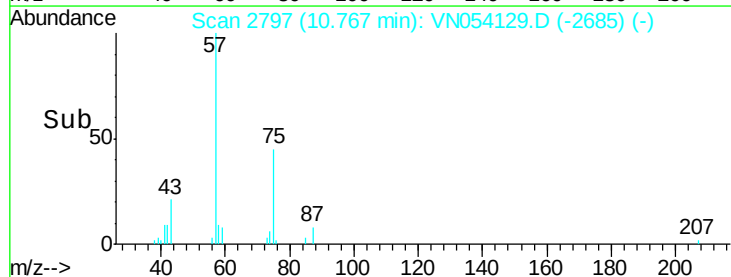
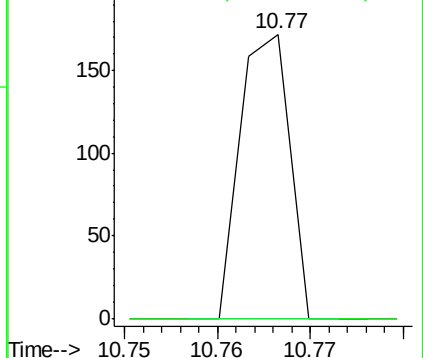
76 100

78 0.0 25.9 38.9#

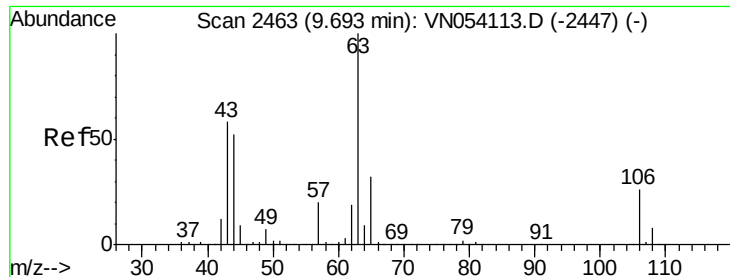


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0







#58

2-Chloroethyl Vinyl ether

Concen: 0.039 ug/l

RT: 9.70 min Scan# 2466

Delta R.T. 0.01 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA\_N

ClientSampled :

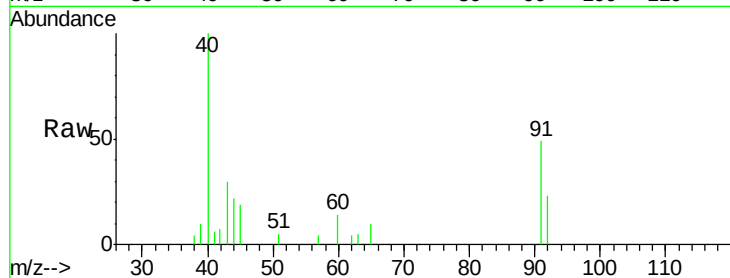
PLA-21835

Tot Ion: 63 Resp: 148

Ion Ratio Lower Upper

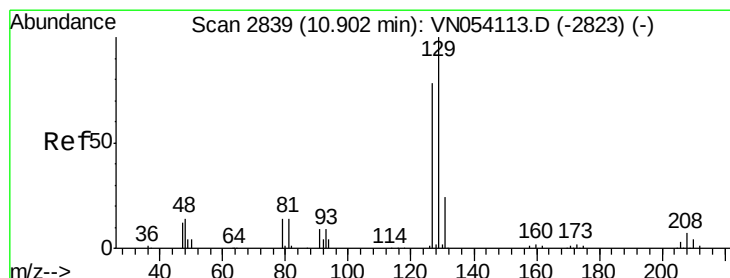
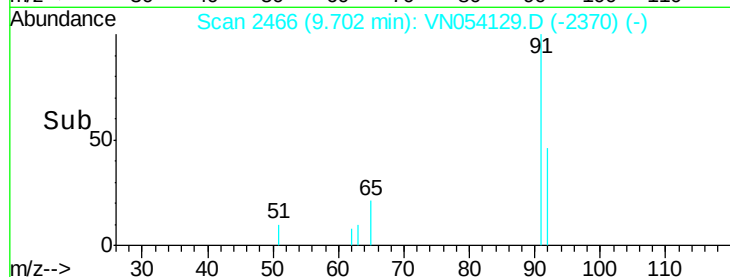
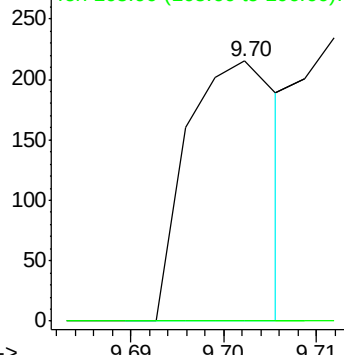
63 100

106 0.0 20.2 30.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



#60

Dibromochloromethane

Concen: 0.015 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN054129.D

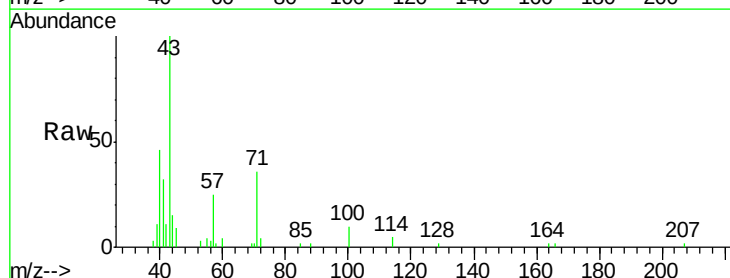
Acq: 6 Mar 2019 20:52

Tgt Ion: 129 Resp: 111

Ion Ratio Lower Upper

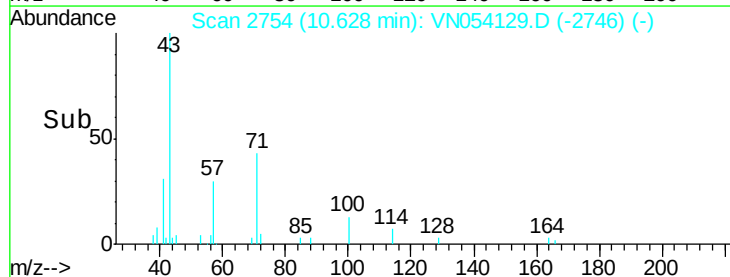
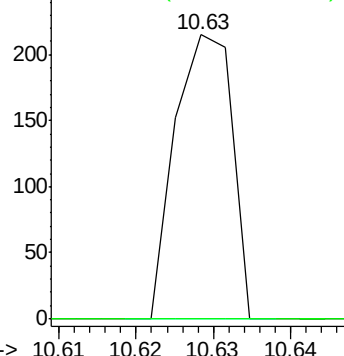
129 100

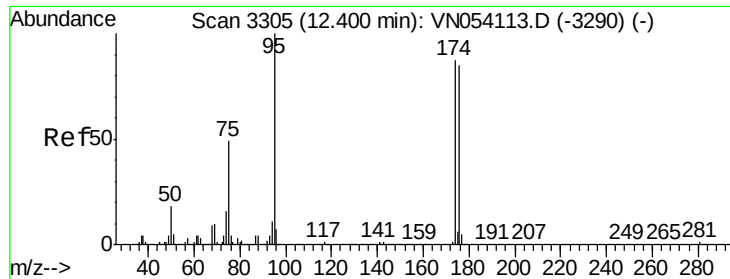
127 0.0 38.8 116.4#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

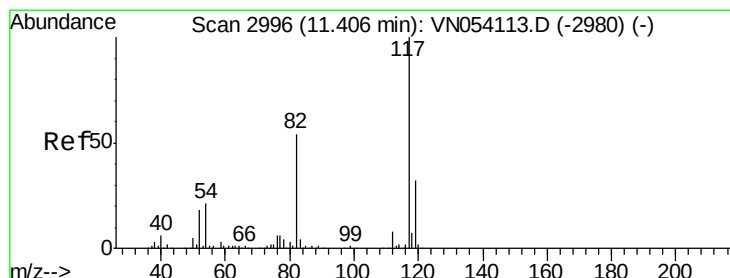
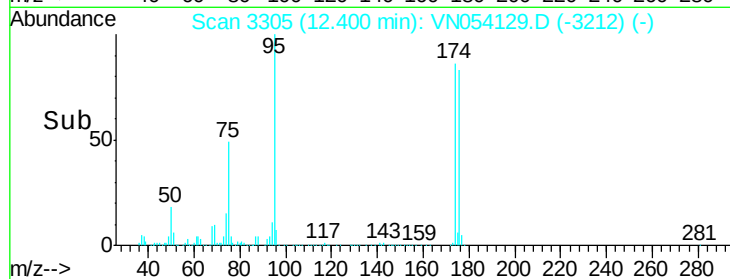
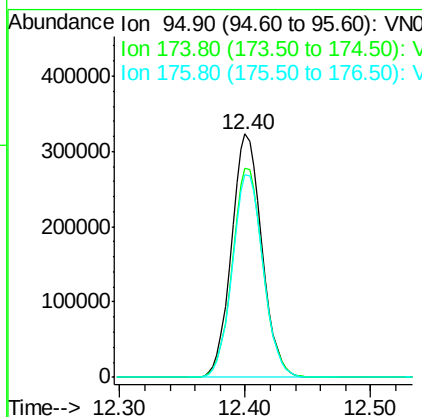
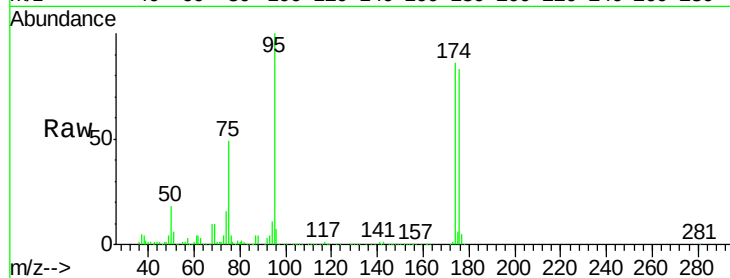




#62  
4-Bromofluorobenzene  
Concen: 59.309 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN054129.D  
Acq: 6 Mar 2019 20:52

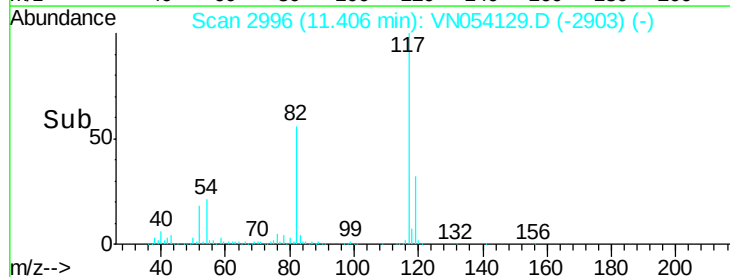
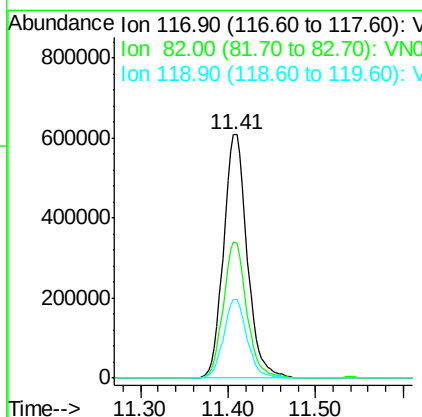
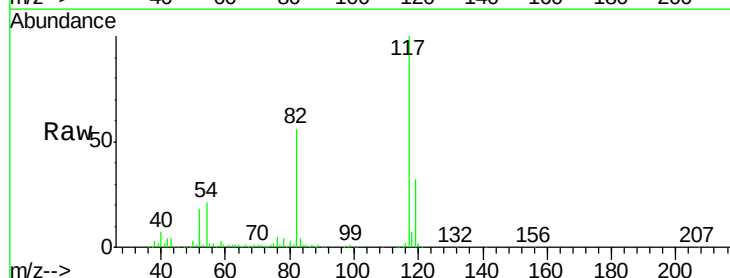
Instrument :  
MSVOA\_N  
ClientSampleId :  
PLA-21835

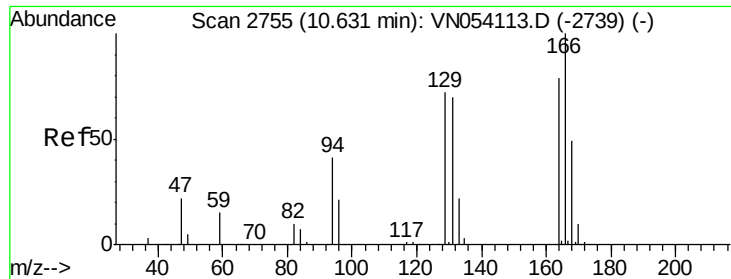
Tot Ion: 95 Resp: 542380  
Ion Ratio Lower Upper  
95 100  
174 86.6 0.0 173.2  
176 84.6 0.0 168.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN054129.D  
Acq: 6 Mar 2019 20:52

Tgt Ion: 117 Resp: 1140363  
Ion Ratio Lower Upper  
117 100  
82 56.1 43.4 65.2  
119 32.5 26.0 39.0





#64

Tetrachloroethene

Concen: 0.012 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA\_N

ClientSampleId :

PLA-21835

Tot Ion:164 Resp: 109

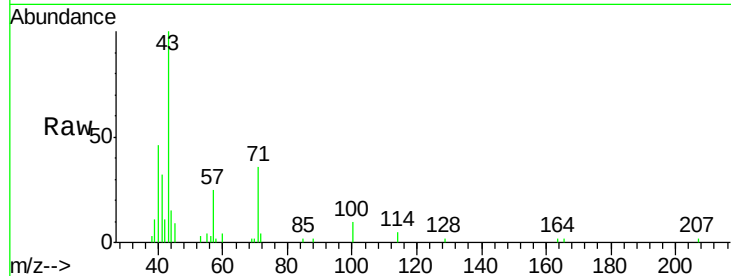
Ion Ratio Lower Upper

164 100

166 81.1 101.3 151.9#

129 99.1 73.2 109.8

131 0.0 70.8 106.2#



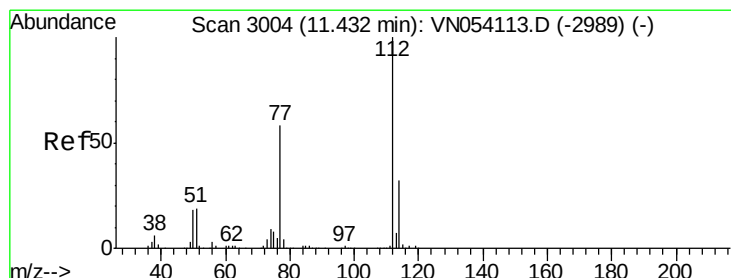
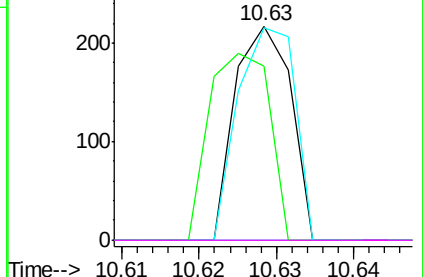
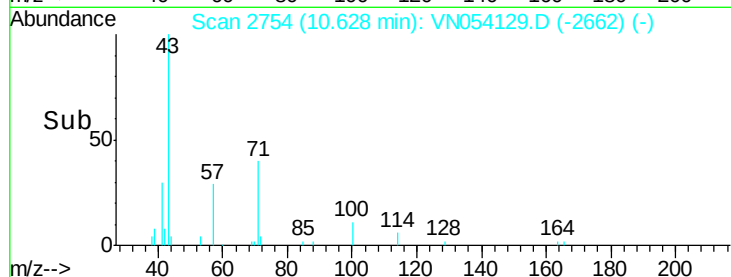
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#65

Chlorobenzene

Concen: 0.033 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054129.D

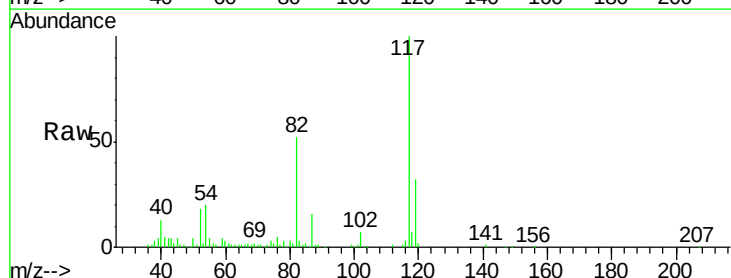
Acq: 6 Mar 2019 20:52

Tgt Ion:112 Resp: 780

Ion Ratio Lower Upper

112 100

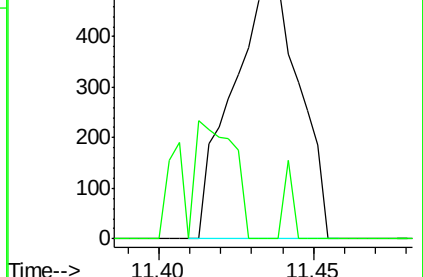
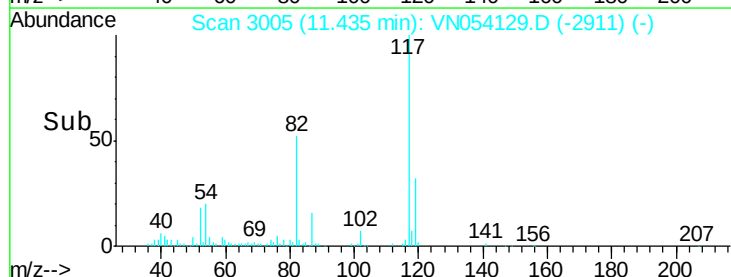
114 0.0 25.4 38.0#

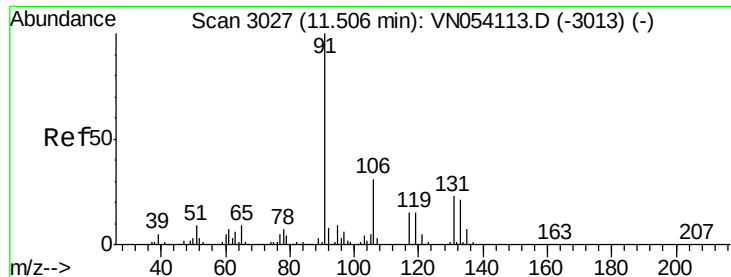


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

Time-->





#66

1,1,1,2-Tetrachloroethane

Concen: 0.045 ug/l

RT: 11.54 min Scan# 3038

Delta R.T. 0.04 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA\_N

ClientSampled :

PLA-21835

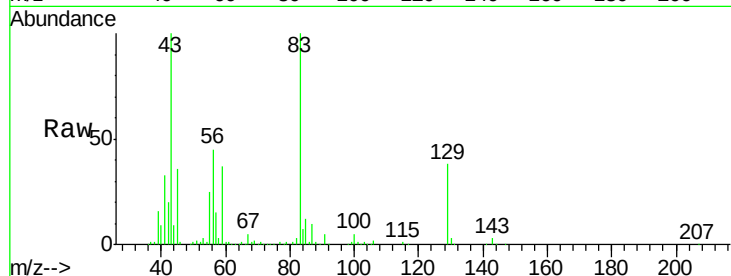
Tot Ion:131 Resp: 383

Ion Ratio Lower Upper

131 100

133 0.0 47.6 142.9#

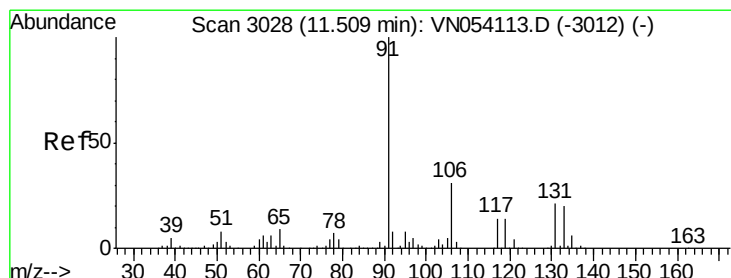
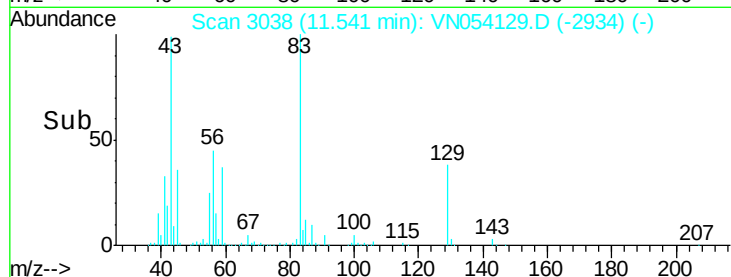
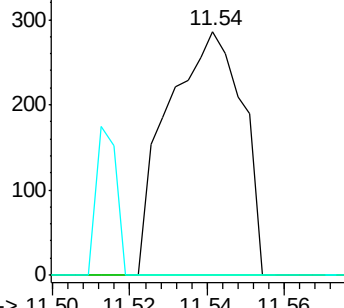
119 0.0 33.8 101.3#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 3.578 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054129.D

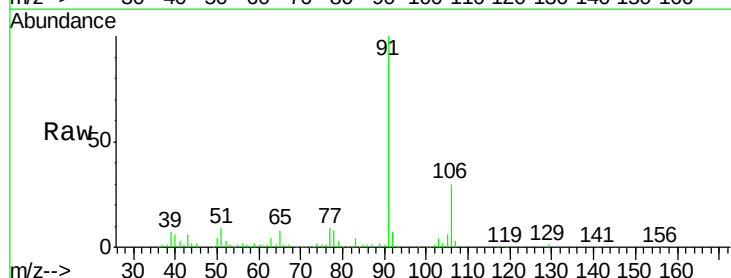
Acq: 6 Mar 2019 20:52

Tgt Ion: 91 Resp: 142079

Ion Ratio Lower Upper

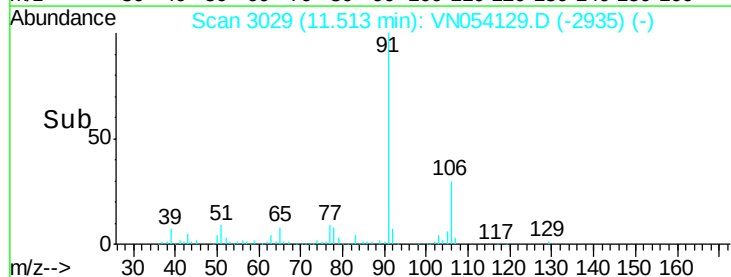
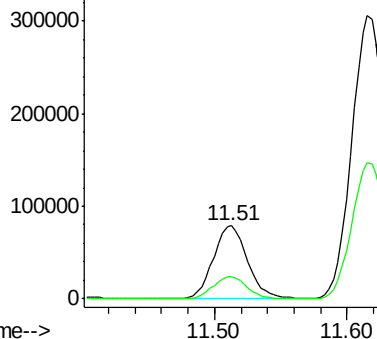
91 100

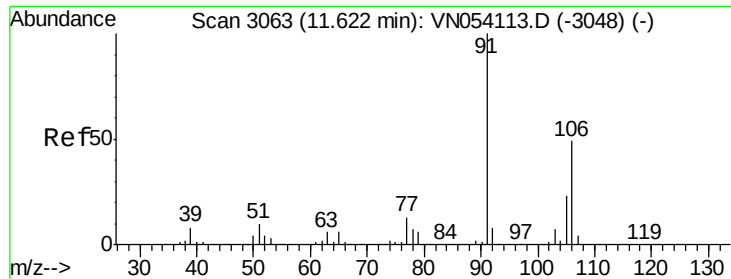
106 30.4 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

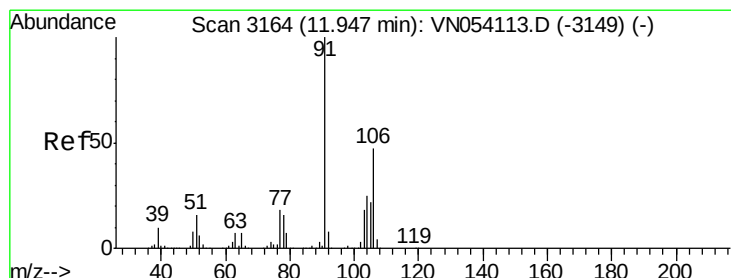
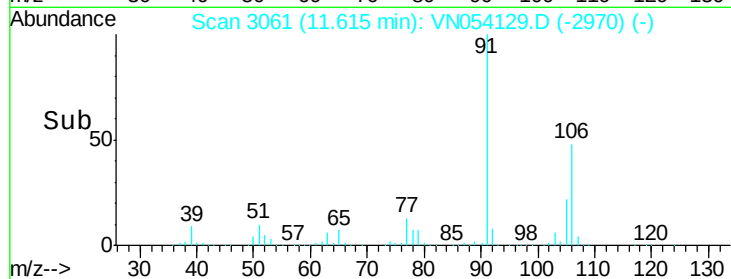
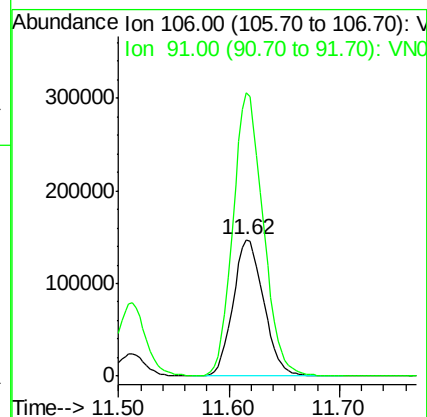
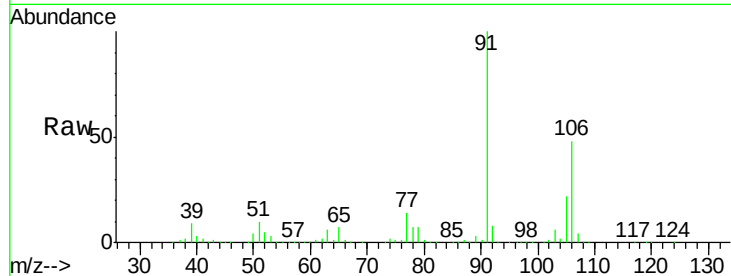




#68  
m/p-Xylenes  
Concen: 18.934 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. -0.01 min  
Lab File: VN054129.D  
Acq: 6 Mar 2019 20:52

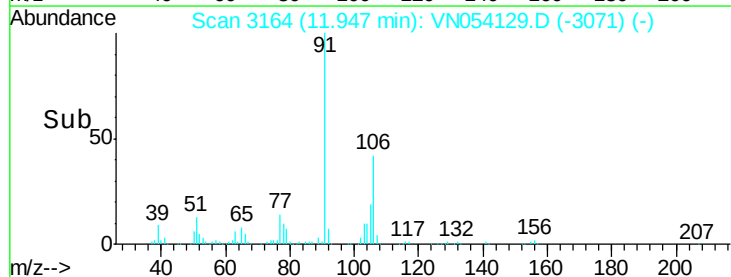
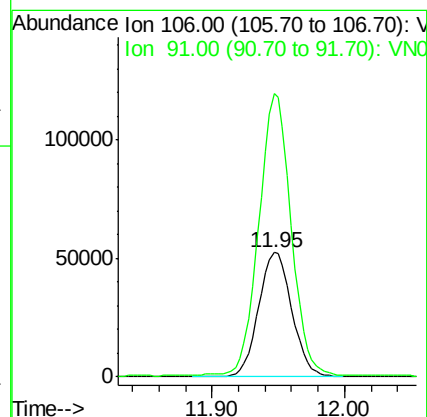
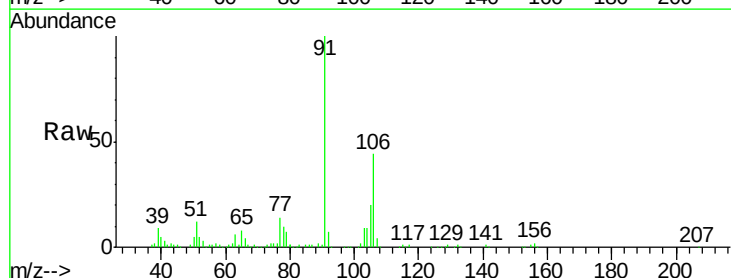
Instrument :  
MSVOA\_N  
ClientSampled :  
PLA-21835

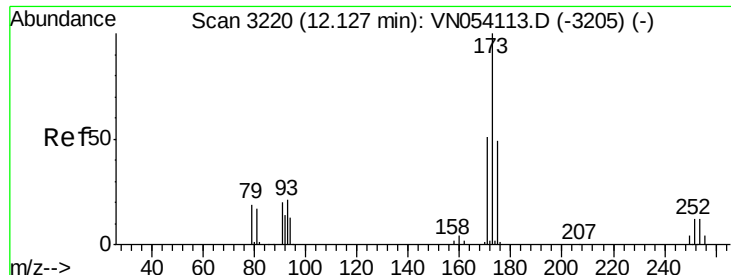
Tot Ion:106 Resp: 283749  
Ion Ratio Lower Upper  
106 100  
91 204.5 163.2 244.8



#69  
o-Xylene  
Concen: 6.367 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN054129.D  
Acq: 6 Mar 2019 20:52

Tgt Ion:106 Resp: 91824  
Ion Ratio Lower Upper  
106 100  
91 221.0 107.1 321.3





#71

Bromoform

Concen: 0.025 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.25 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA\_N

ClientSampleId :

PLA-21835

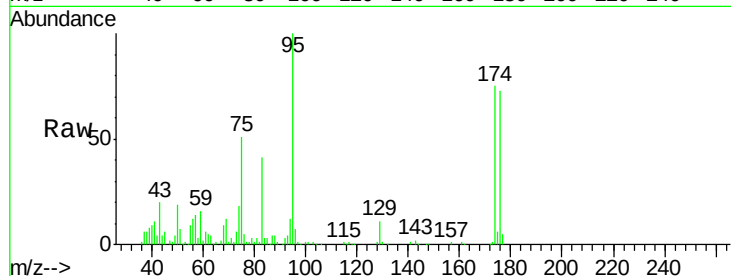
Tot Ion:173 Resp: 147

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.2#

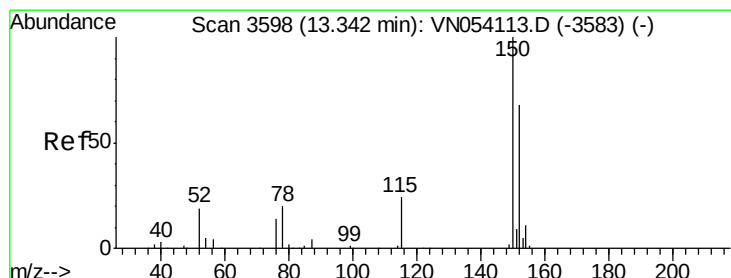
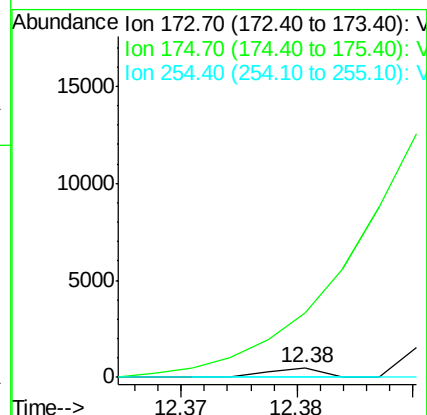
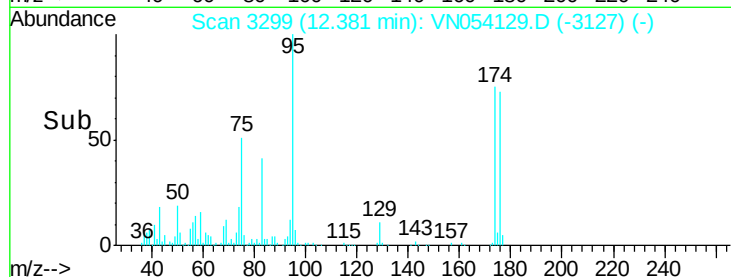
254 0.0 0.0 0.0



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: VN054129.D

Acq: 6 Mar 2019 20:52

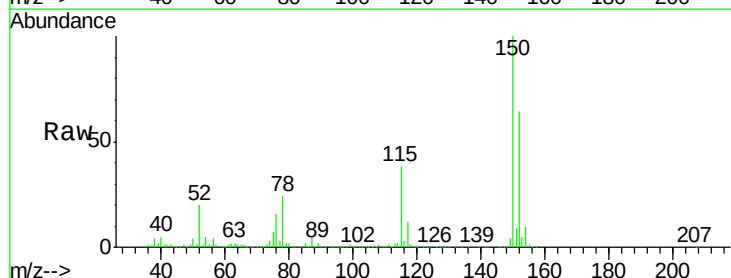
Tgt Ion:152 Resp: 499317

Ion Ratio Lower Upper

152 100

115 59.5 28.5 85.6

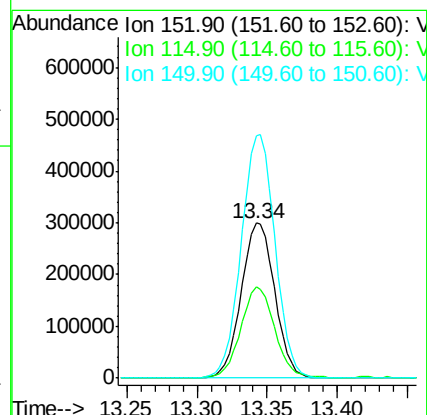
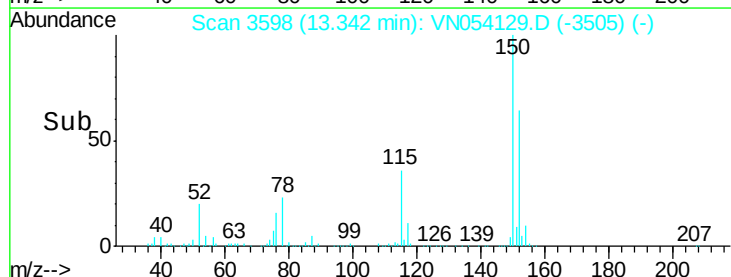
150 158.4 0.0 343.2

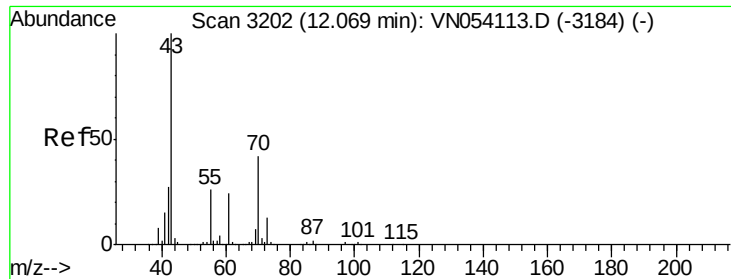


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.086 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA\_N

ClientSampled :

PLA-21835

Tot Ion: 43 Resp: 906

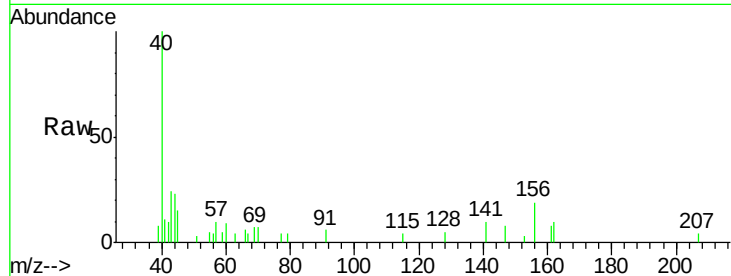
Ion Ratio Lower Upper

43 100

70 25.9 33.6 50.4#

55 0.0 20.6 31.0#

61 7.3 19.4 29.2#

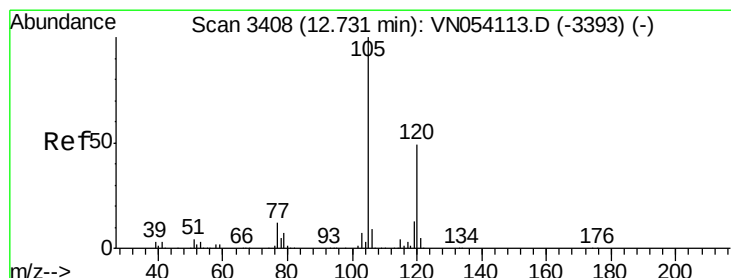
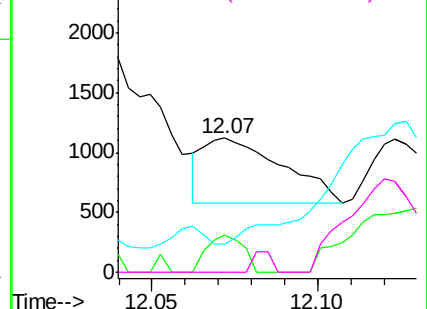
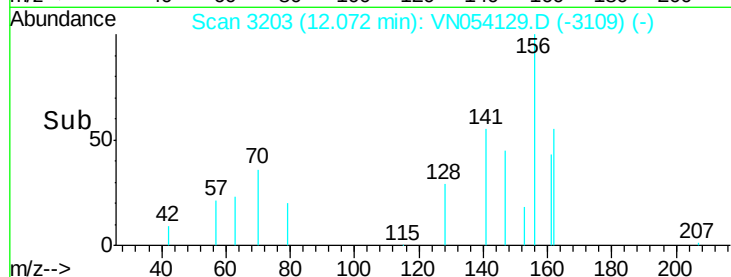


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#80

1,3,5-Trimethylbenzene

Concen: 1.993 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054129.D

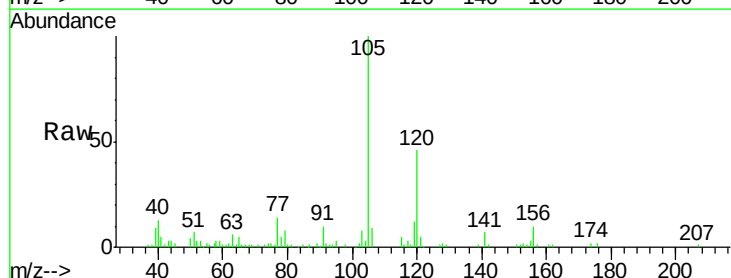
Acq: 6 Mar 2019 20:52

Tgt Ion:105 Resp: 64369

Ion Ratio Lower Upper

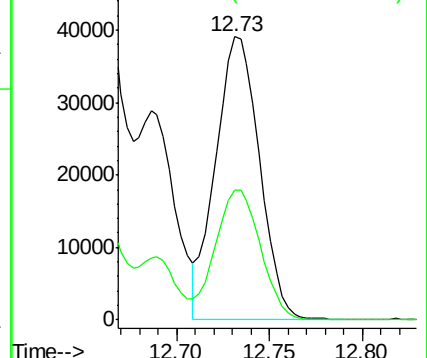
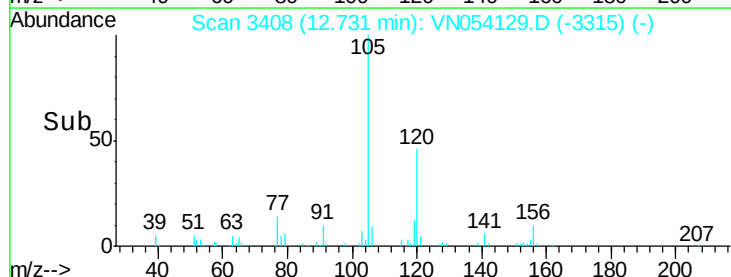
105 100

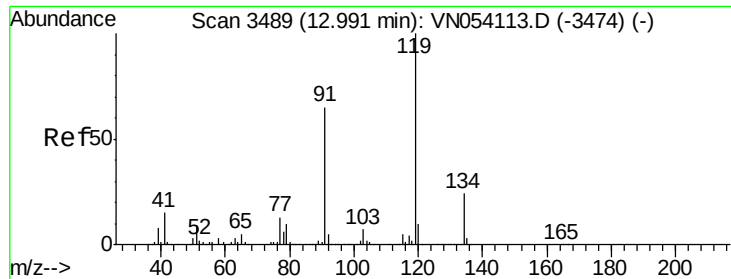
120 46.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

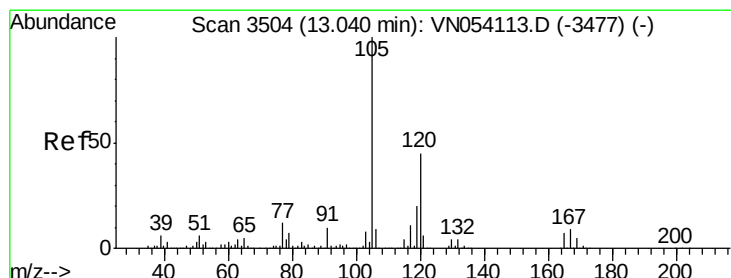
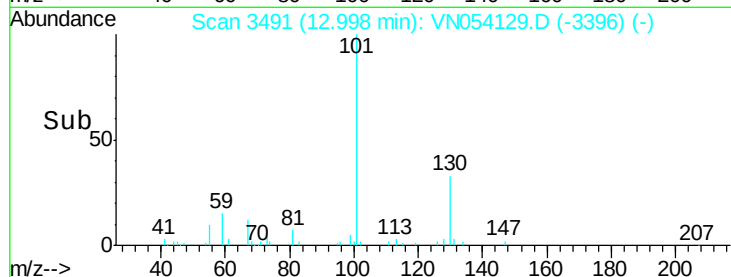
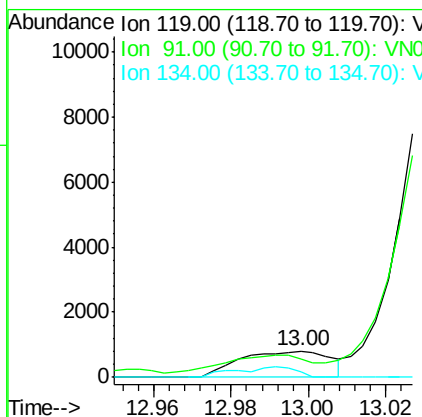
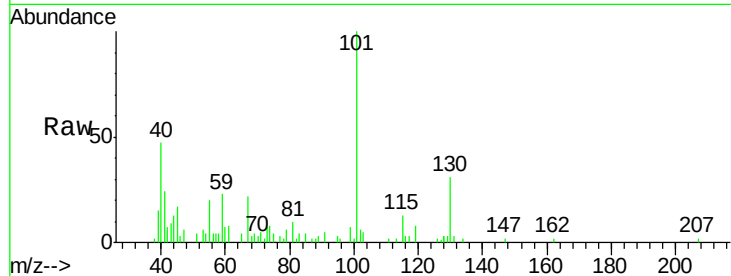




#83  
 tert-Butylbenzene  
 Concen: 0.046 ug/l  
 RT: 13.00 min Scan# 3491  
 Delta R.T. 0.01 min  
 Lab File: VN054129.D  
 Acq: 6 Mar 2019 20:52

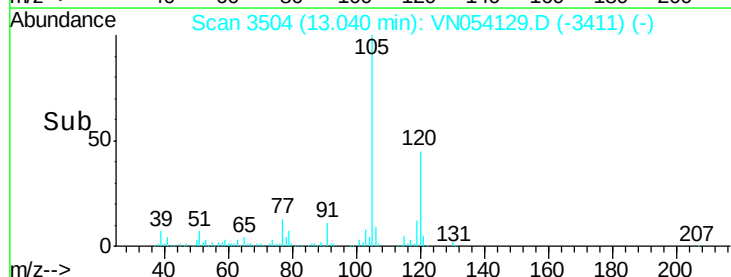
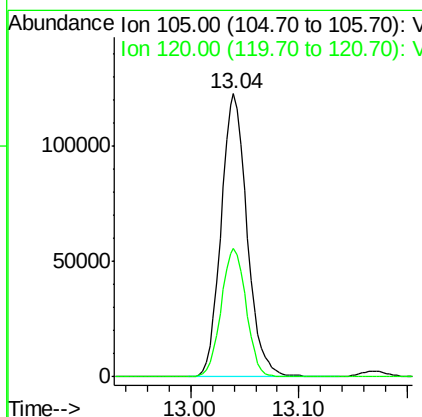
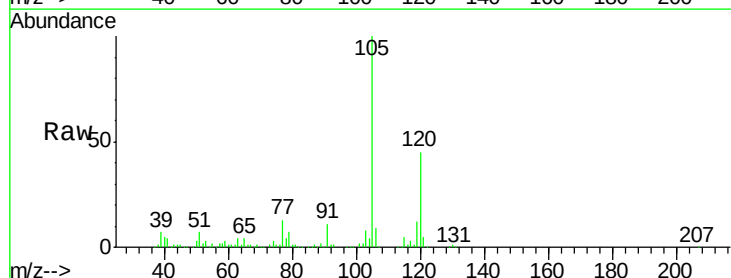
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 PLA-21835

Tot Ion:119 Resp: 1318  
 Ion Ratio Lower Upper  
 119 100  
 91 60.7 31.8 95.3  
 134 26.4 12.8 38.3

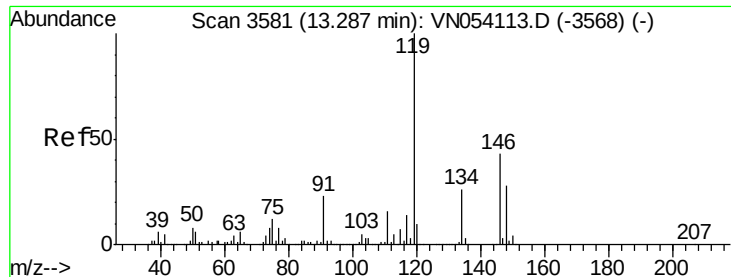


#84  
 1,2,4-Trimethylbenzene  
 Concen: 6.400 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN054129.D  
 Acq: 6 Mar 2019 20:52

Tgt Ion:105 Resp: 205154  
 Ion Ratio Lower Upper  
 105 100  
 120 43.7 22.6 67.7



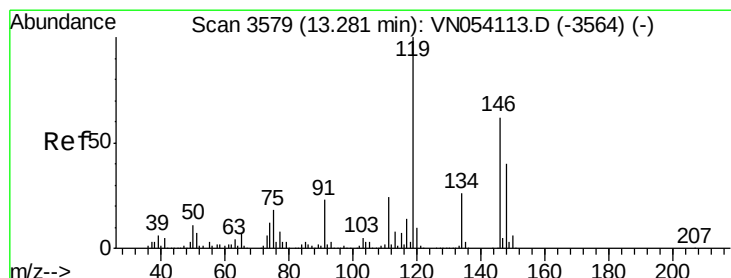
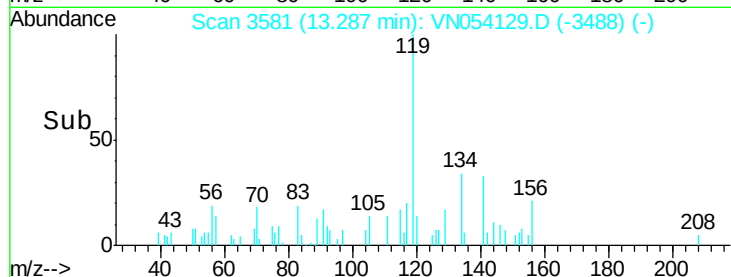
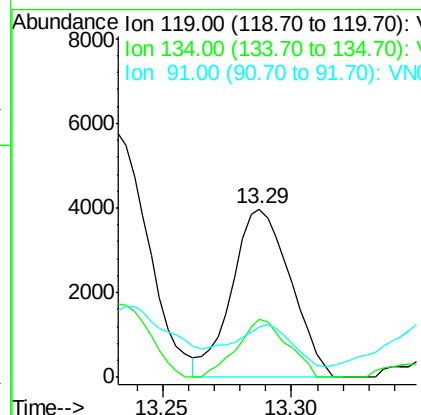
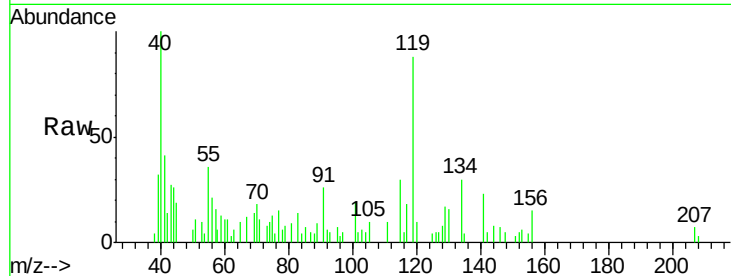




#86  
 p-Isopropyltoluene  
 Concen: 0.193 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN054129.D  
 Acq: 6 Mar 2019 20:52

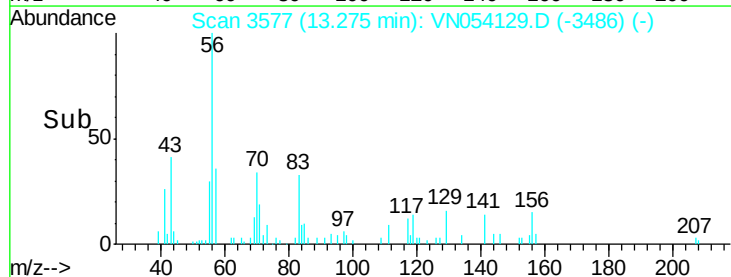
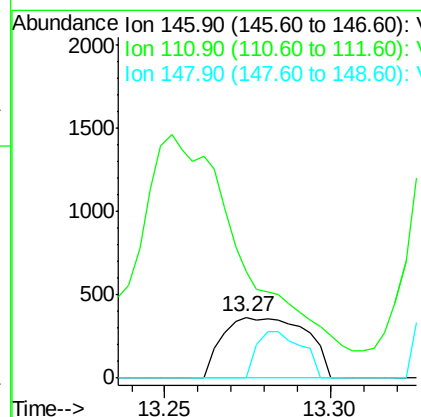
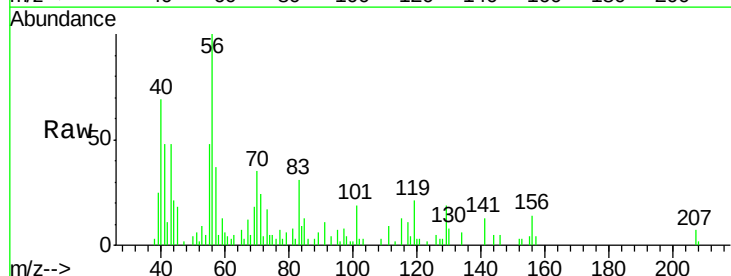
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 PLA-21835

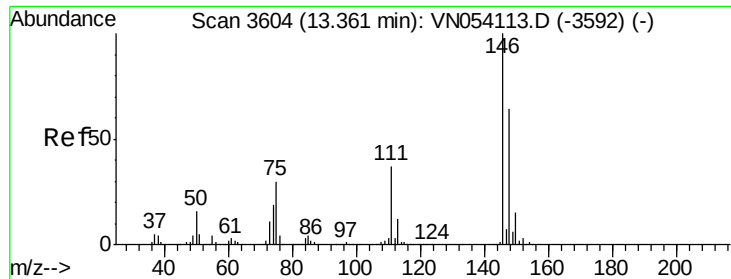
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 29.5  | 13.2  | 39.5  |
| 91      | 20.5  | 11.4  | 34.2  |



#87  
 1,3-Dichlorobenzene  
 Concen: 0.037 ug/l  
 RT: 13.27 min Scan# 3577  
 Delta R.T. -0.01 min  
 Lab File: VN054129.D  
 Acq: 6 Mar 2019 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 0.0   | 19.3  | 57.8# |
| 148     | 40.8  | 32.4  | 97.0  |

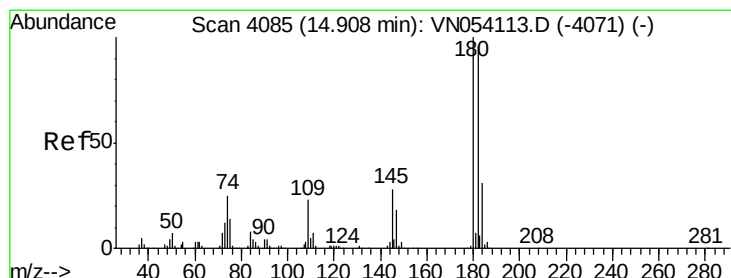
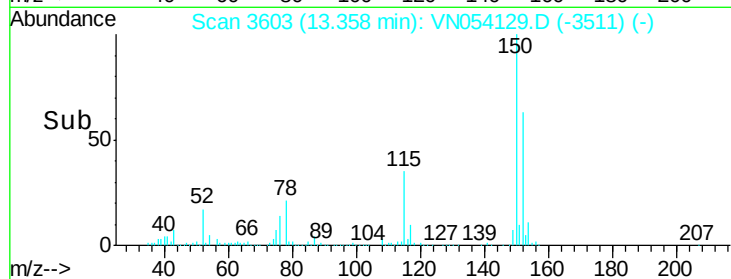
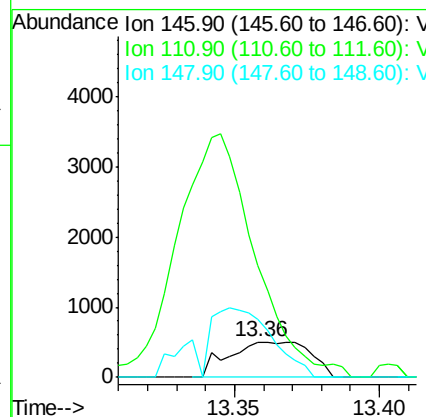
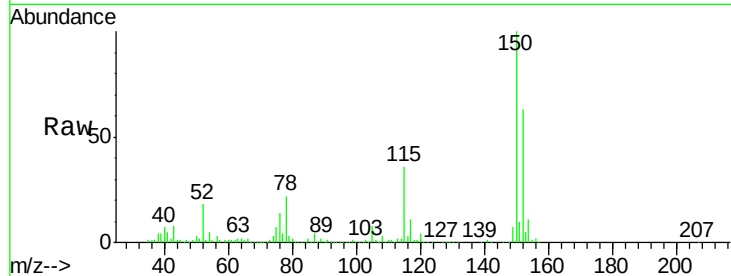




#88  
 1,4-Dichlorobenzene  
 Concen: 0.057 ug/l  
 RT: 13.36 min Scan# 3603  
 Delta R.T. -0.00 min  
 Lab File: VN054129.D  
 Acq: 6 Mar 2019 20:52

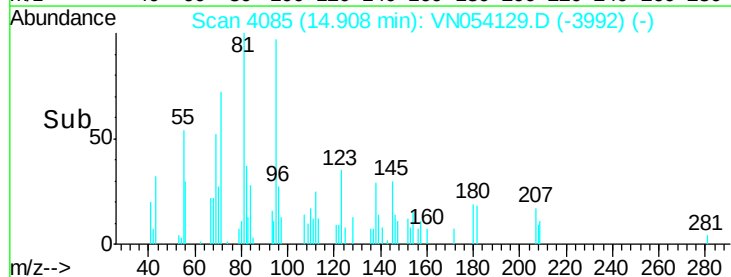
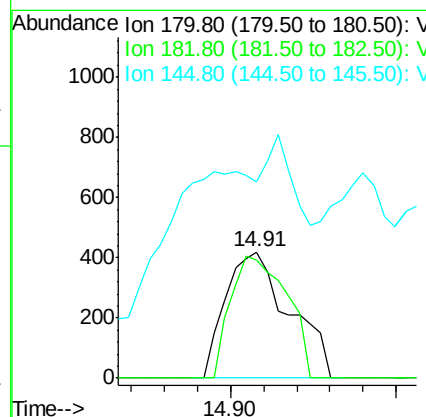
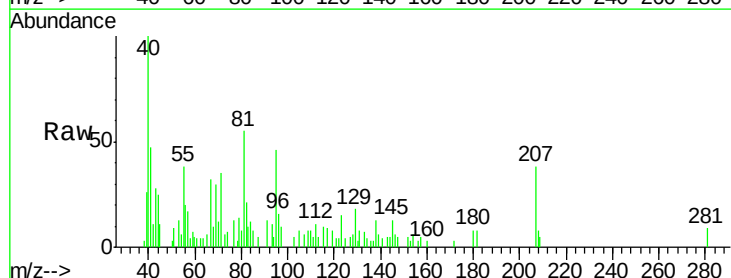
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 PLA-21835

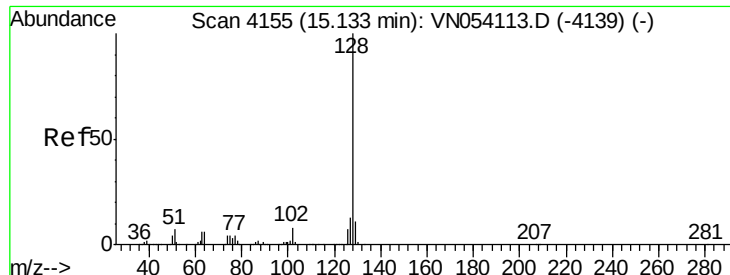
Tot Ion:146 Resp: 981  
 Ion Ratio Lower Upper  
 146 100  
 111 654.6 18.9 56.5#  
 148 177.1 32.1 96.5#



#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.068 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN054129.D  
 Acq: 6 Mar 2019 20:52

Tgt Ion:180 Resp: 565  
 Ion Ratio Lower Upper  
 180 100  
 182 84.4 48.1 144.3  
 145 157.5 13.9 41.7#





#95

Naphthalene

Concen: 86.988 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA\_N

ClientSampleId :

PLA-21835

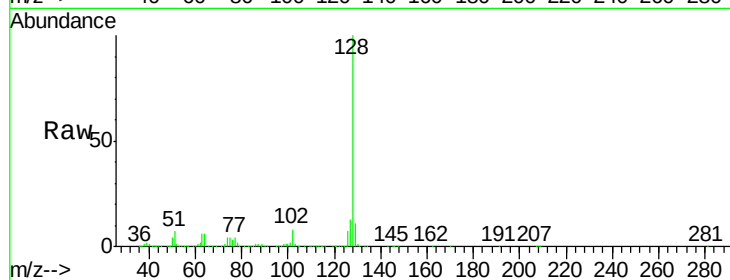
Tot Ion:128 Resp: 1704326

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.7 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

