

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\  
 Data File : VN054745.D  
 Acq On : 28 Mar 2019 15:32  
 Operator : JC/SP  
 Sample : K2112-03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DR-WC-001

Quant Time: Mar 29 05:03:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 22 02:09:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 529532   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 868071   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 754386   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 282740   | 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   | 349212   | 53.02 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.04% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 276376   | 49.42 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.84%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1059652  | 50.40 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.80% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 335094   | 46.84 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.68%  |          |

| Target Compounds            | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|-----------------------------|-------|------|----------|-----------|--------|--------|
| 8) Diethyl Ether            | 3.42  | 74   | 814      | 0.252     | ug/l   | 82     |
| 11) Tert butyl alcohol      | 4.82  | 59   | 141      | 0.354     | ug/l # | 70     |
| 13) Acrolein                | 3.61  | 56   | 174      | 0.316     | ug/l # | 36     |
| 16) Acetone                 | 3.82  | 43   | 11860    | 5.989     | ug/l # | 80     |
| 18) Methyl Acetate          | 4.33  | 43   | 1624     | 0.368     | ug/l # | 52     |
| 20) Methylene Chloride      | 4.55  | 84   | 39068    | 6.693     | ug/l # | 87     |
| 24) 1,1-Dichloroethane      | 5.84  | 63   | 3136     | 0.307     | ug/l # | 81     |
| 25) 2-Butanone              | 6.87  | 43   | 1949     | 0.768     | ug/l # | 79     |
| 27) cis-1,2-Dichloroethene  | 6.84  | 96   | 3041     | 0.489     | ug/l   | 98     |
| 29) Tetrahydrofuran         | 7.23  | 42   | 1443     | 0.877     | ug/l # | 43     |
| 30) Chloroform              | 7.38  | 83   | 5627     | 0.564     | ug/l   | 92     |
| 31) Cyclohexane             | 7.66  | 56   | 12939    | Below Cal | #      | 7      |
| 32) 1,1,1-Trichloroethane   | 7.57  | 97   | 2041     | 0.248     | ug/l # | 37     |
| 36) 1,1-Dichloropropene     | 7.67  | 75   | 40762    | 5.022     | ug/l # | 47     |
| 38) Carbon Tetrachloride    | 7.67  | 117  | 50593    | 6.414     | ug/l # | 15     |
| 40) Benzene                 | 8.04  | 78   | 16624    | 0.716     | ug/l   | 96     |
| 42) 1,2-Dichloroethane      | 8.12  | 62   | 6937     | 0.821     | ug/l   | 84     |
| 43) Isopropyl Acetate       | 8.17  | 43   | 12182    | 1.250     | ug/l # | 91     |
| 44) Trichloroethene         | 8.83  | 130  | 2840     | 0.440     | ug/l   | 95     |
| 45) 1,2-Dichloropropane     | 9.27  | 63   | 1396     | 0.224     | ug/l # | 43     |
| 48) Methyl methacrylate     | 9.18  | 41   | 5960     | 1.126     | ug/l # | 11     |
| 49) 1,4-Dioxane             | 9.28  | 88   | 29       | 0.490     | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone    | 9.99  | 43   | 4944     | 0.915     | ug/l # | 82     |
| 52) Toluene                 | 10.16 | 92   | 22019    | 1.542     | ug/l   | 94     |
| 53) t-1,3-Dichloropropene   | 10.16 | 75   | 349      | 2.273     | ug/l # | 1      |
| 54) cis-1,3-Dichloropropene | 9.90  | 75   | 45235    | 5.113     | ug/l # | 75     |
| 55) 1,1,2-Trichloroethane   | 10.53 | 97   | 3922     | 0.764     | ug/l # | 19     |
| 56) Ethyl methacrylate      | 10.44 | 69   | 1982     | 0.288     | ug/l # | 1      |
| 57) 1,3-Dichloropropane     | 10.76 | 76   | 8663     | 0.971     | ug/l # | 43     |
| 59) 2-Hexanone              | 10.76 | 43   | 148175   | 41.985    | ug/l # | 47     |
| 67) Ethyl Benzene           | 11.51 | 91   | 22952    | 0.847     | ug/l   | 98     |
| 68) m/p-Xylenes             | 11.62 | 106  | 30574    | 2.978     | ug/l   | 92     |
| 69) o-Xylene                | 11.95 | 106  | 19936    | 1.988     | ug/l   | 99     |
| 71) Bromoform               | 12.39 | 173  | 338      | 2.305     | ug/l # | 28     |

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 Quant Title : SW846 8260  
 QLast Update : Fri Mar 22 02:09:07 2019  
 Response via : Initial Calibration

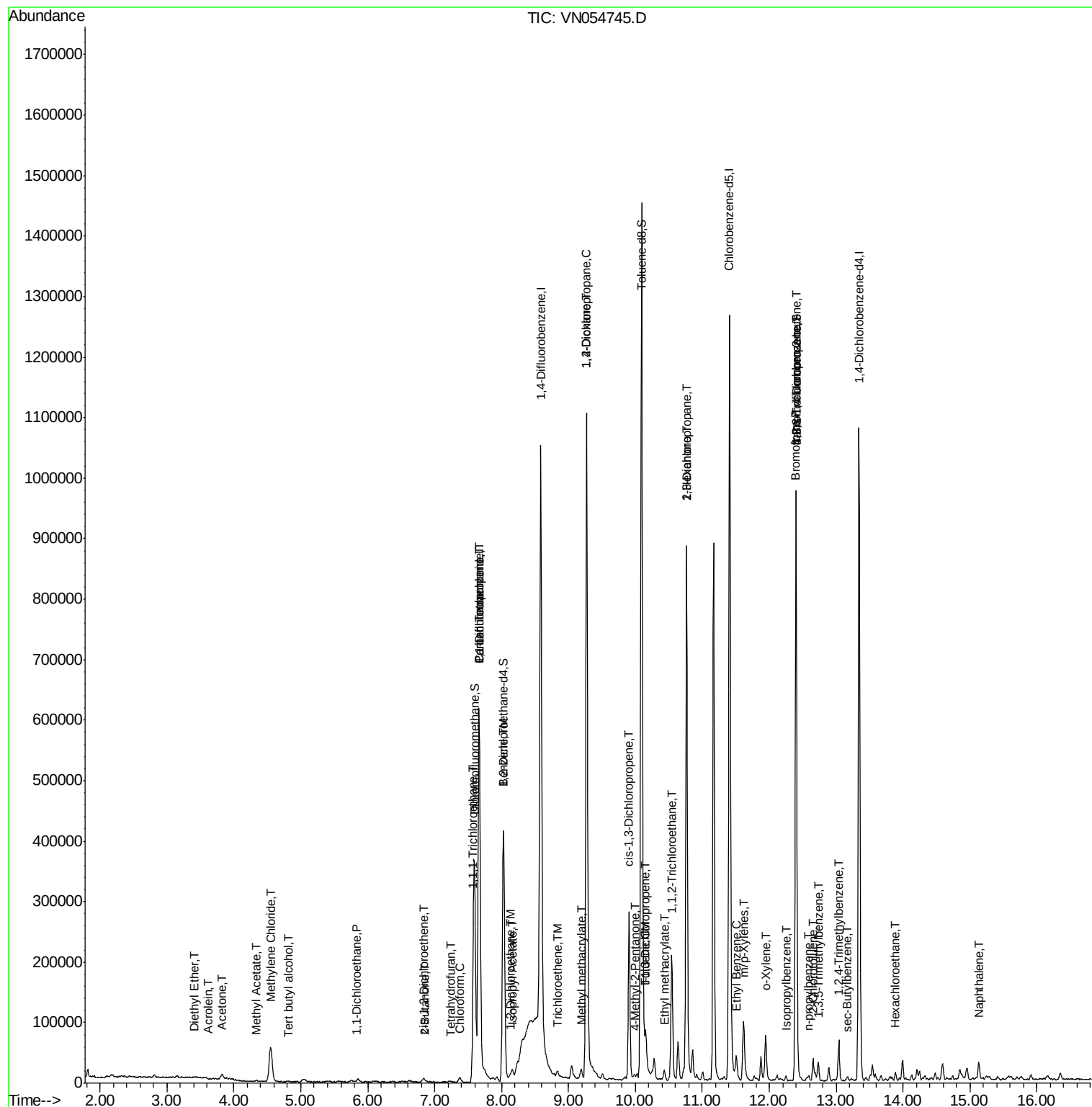
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 73) Isopropylbenzene           | 12.25 | 105  | 5411     | 0.237   | ug/l   | 94       |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 171190   | 38.155  | ug/l # | 100      |
| 78) n-propylbenzene            | 12.59 | 91   | 7697     | 0.312   | ug/l   | 90       |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 4100     | 0.266   | ug/l # | 38       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 14188    | 0.760   | ug/l   | 89       |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 171190   | 126.363 | ug/l # | 11       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 37083    | 2.024   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 4184     | 0.206   | ug/l   | 95       |
| 90) Hexachloroethane           | 13.89 | 117  | 829      | 0.295   | ug/l # | 2        |
| 95) Naphthalene                | 15.13 | 128  | 24359    | 2.415   | ug/l # | 95       |

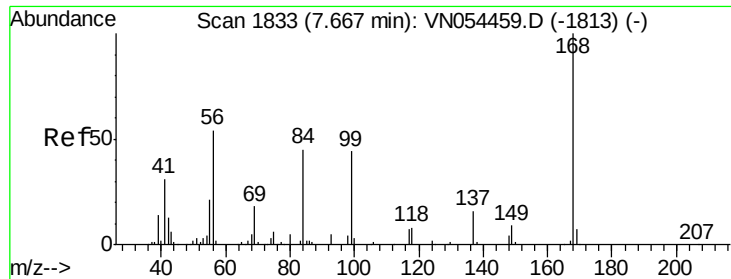
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032819\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N032019W.M  
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QLast Update : Fri Mar 22 02:09:07 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: VN054745.D

Acq: 28 Mar 2019 15:32

Instrument :

MSVOA\_N

ClientSampleId :

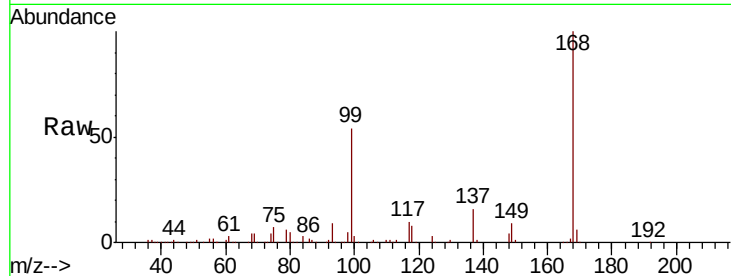
DR-WC-001

Tot Ion:168 Resp: 529532

Ion Ratio Lower Upper

168 100

99 53.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

200000

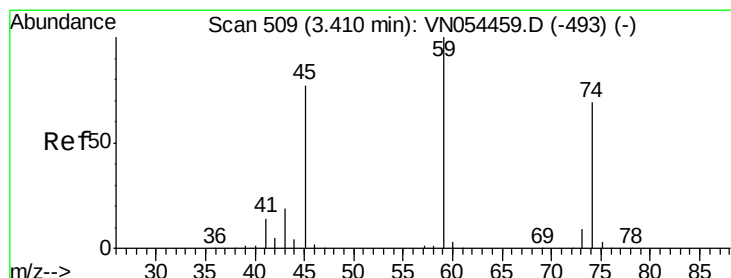
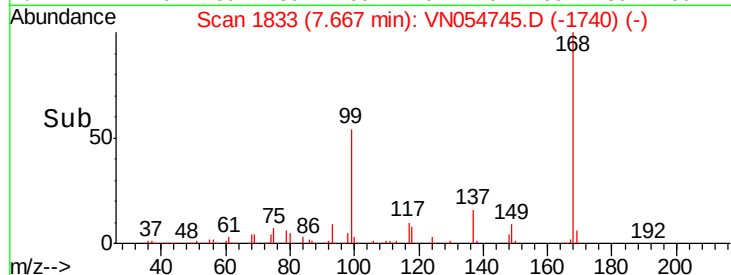
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.252 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.01 min

Lab File: VN054745.D

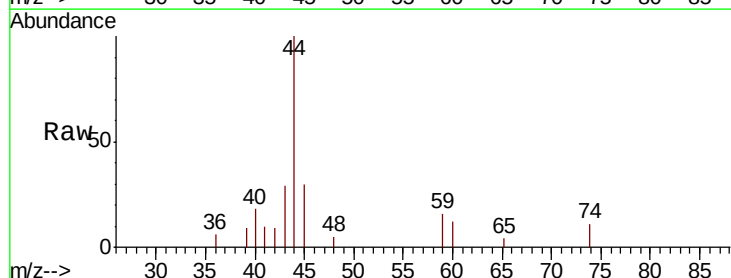
Acq: 28 Mar 2019 15:32

Tgt Ion: 74 Resp: 814

Ion Ratio Lower Upper

74 100

45 103.2 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

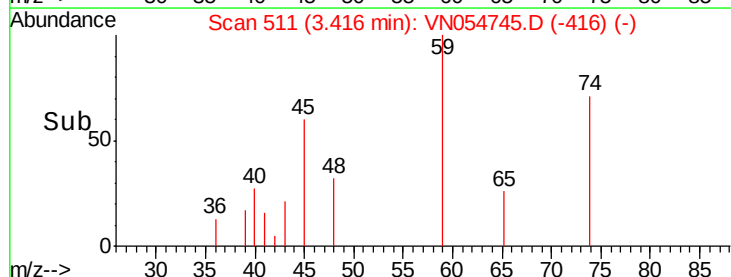
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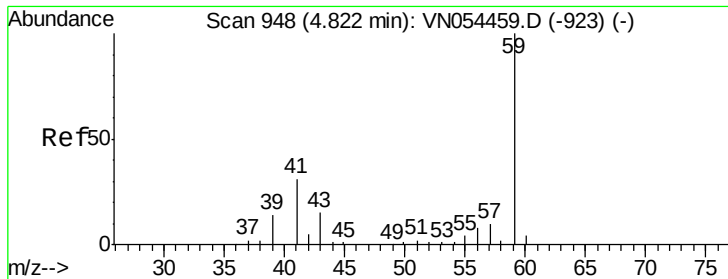
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500

0

Time-->



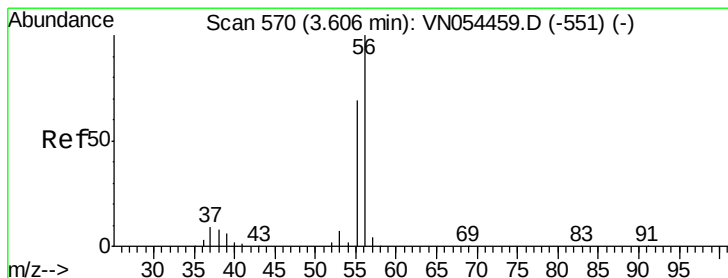
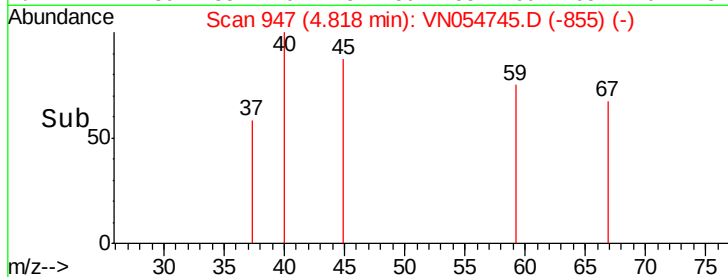
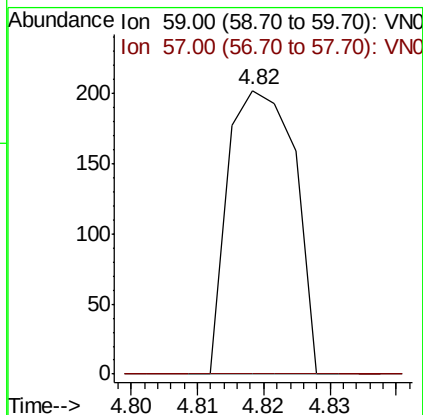
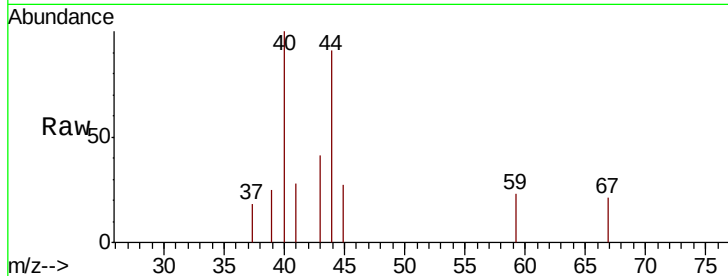


#11

Tert butyl alcohol  
 Concen: 0.354 ug/l  
 RT: 4.82 min Scan# 947  
 Delta R.T. -0.00 min  
 Lab File: VN054745.D  
 Acq: 28 Mar 2019 15:32

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 DR-WC-001

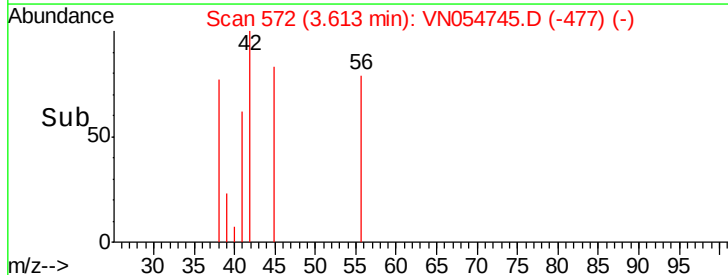
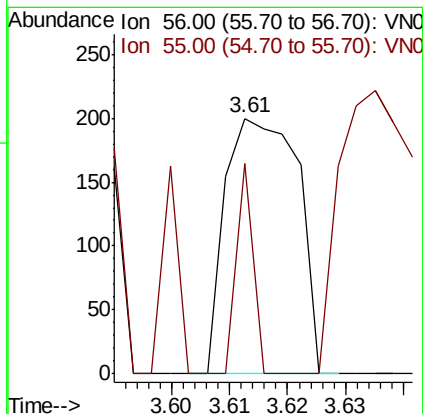
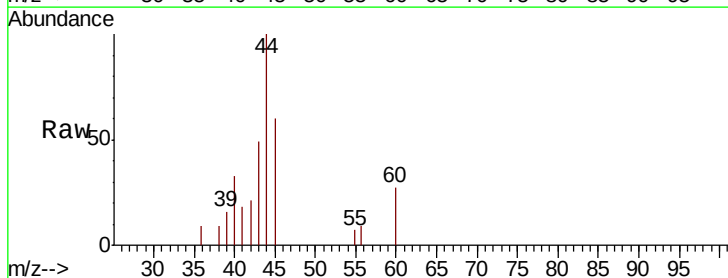
Tot Ion: 59 Resp: 141  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 9.0 13.6#

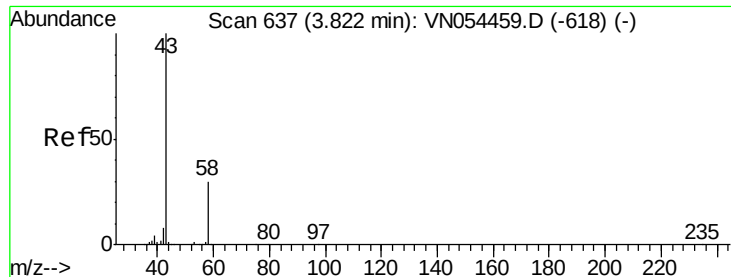


#13

Acrolein  
 Concen: 0.316 ug/l  
 RT: 3.61 min Scan# 572  
 Delta R.T. 0.01 min  
 Lab File: VN054745.D  
 Acq: 28 Mar 2019 15:32

Tgt Ion: 56 Resp: 174  
 Ion Ratio Lower Upper  
 56 100  
 55 18.4 56.7 85.1#

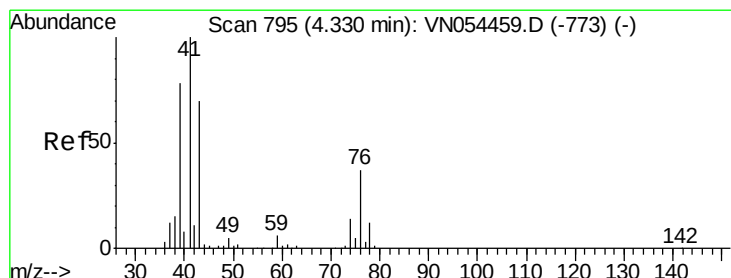
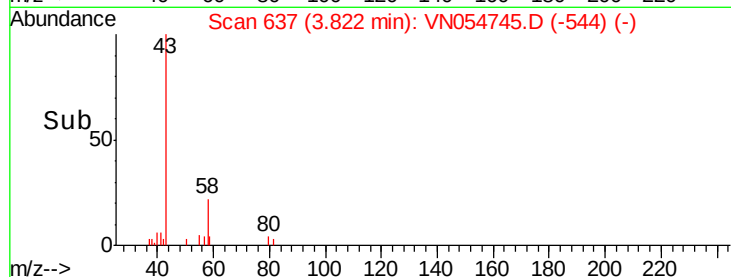
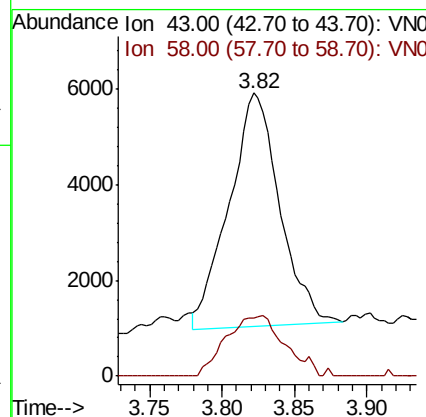
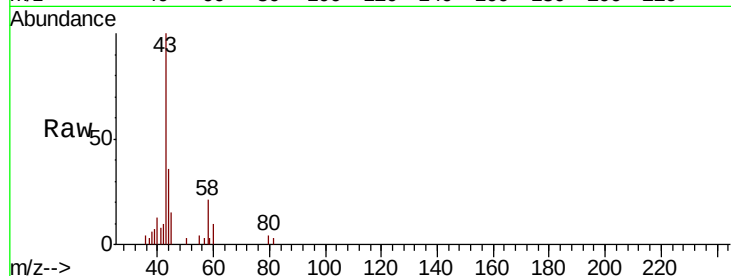




#16  
Acetone  
Concen: 5.989 ug/l  
RT: 3.82 min Scan# 637  
Delta R.T. 0.00 min  
Lab File: VN054745.D  
Acq: 28 Mar 2019 15:32

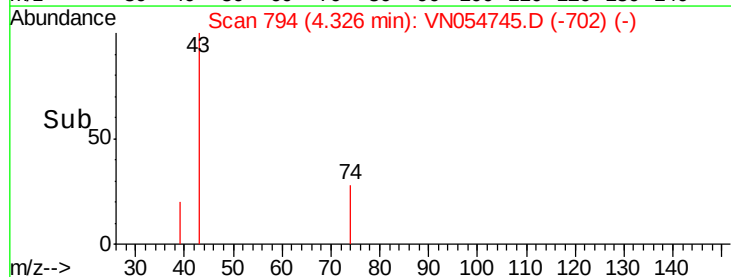
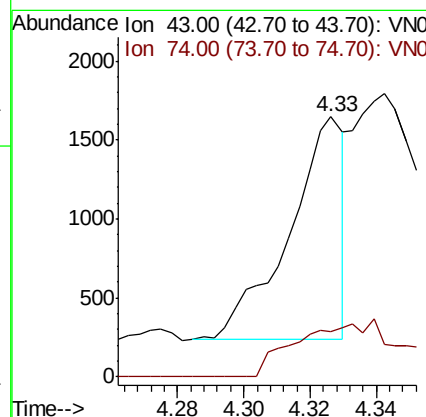
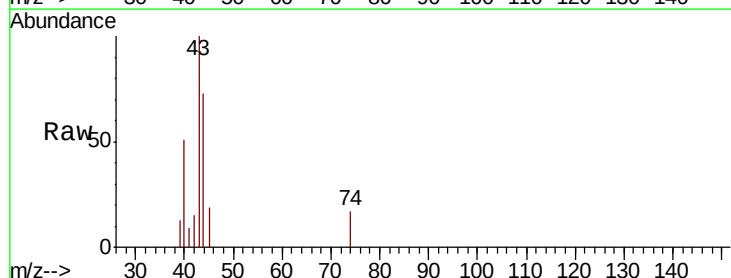
Instrument :  
MSVOA\_N  
ClientSampled :  
DR-WC-001

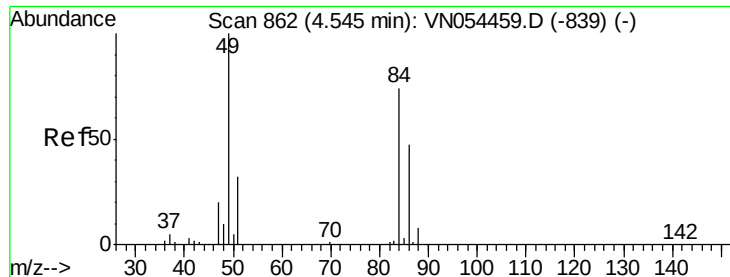
Tot Ion: 43 Resp: 11860  
Ion Ratio Lower Upper  
43 100  
58 25.6 29.9 44.9#



#18  
Methyl Acetate  
Concen: 0.368 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. -0.00 min  
Lab File: VN054745.D  
Acq: 28 Mar 2019 15:32

Tgt Ion: 43 Resp: 1624  
Ion Ratio Lower Upper  
43 100  
74 50.2 20.8 31.2#

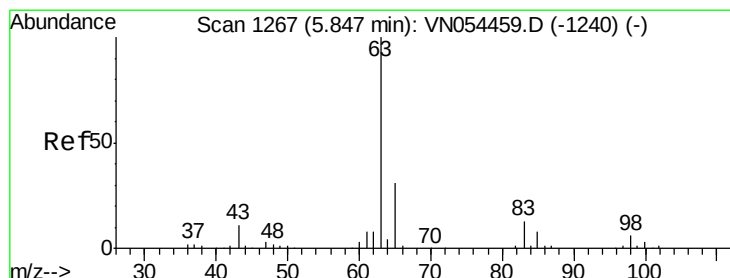
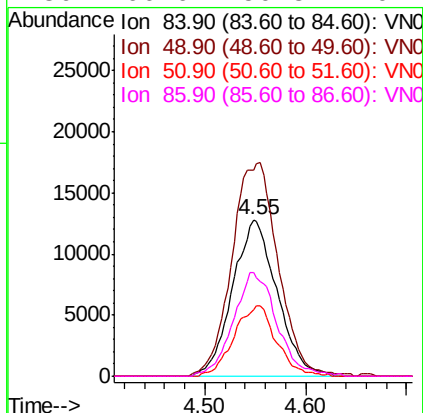
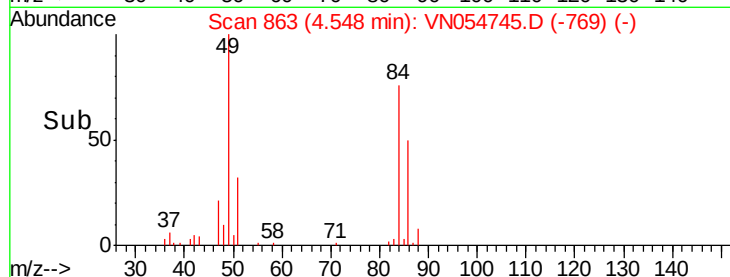
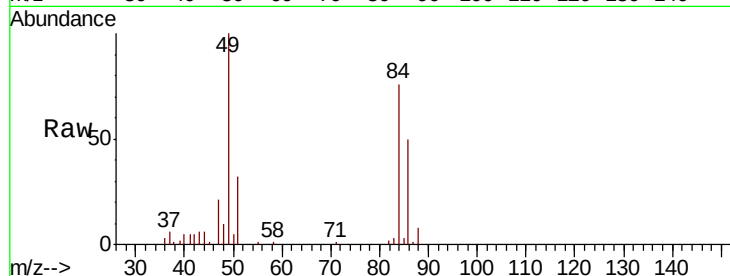




#20  
Methylene Chloride  
Concen: 6.693 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VN054745.D  
Acq: 28 Mar 2019 15:32

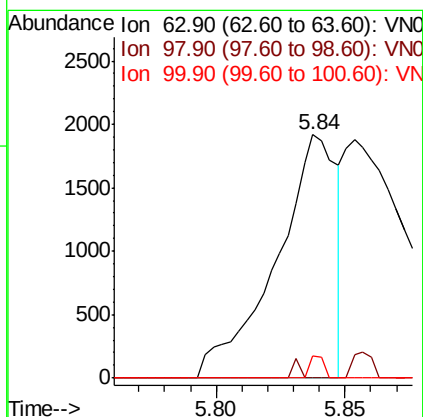
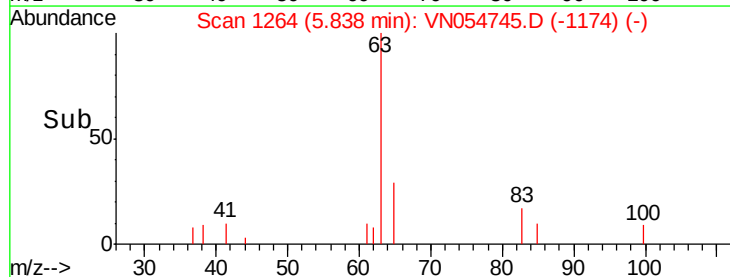
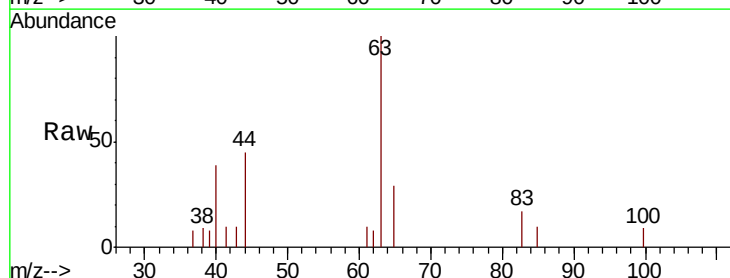
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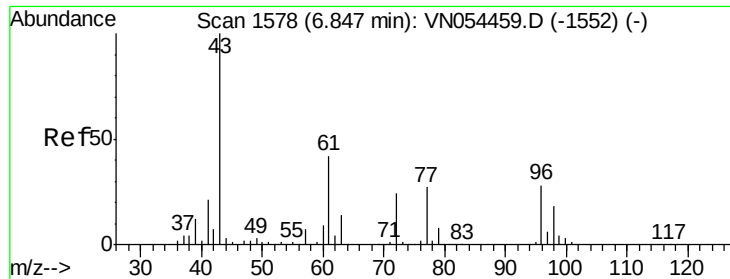
Tot Ion: 84 Resp: 39068  
Ion Ratio Lower Upper  
84 100  
49 132.3 89.7 134.5  
51 42.6 28.2 42.4#  
86 66.6 50.8 76.2



#24  
1,1-Dichloroethane  
Concen: 0.307 ug/l  
RT: 5.84 min Scan# 1264  
Delta R.T. -0.01 min  
Lab File: VN054745.D  
Acq: 28 Mar 2019 15:32

Tgt Ion: 63 Resp: 3136  
Ion Ratio Lower Upper  
63 100  
98 0.0 3.5 10.5#  
100 9.2 2.0 6.0#





#25

2-Butanone

Concen: 0.768 ug/l

RT: 6.87 min Scan# 1584

Delta R.T. 0.02 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

Instrument :

MSVOA\_N

ClientSampleId :

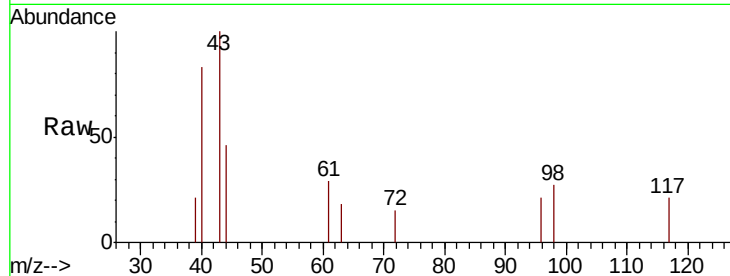
DR-WC-001

Tot Ion: 43 Resp: 1949

Ion Ratio Lower Upper

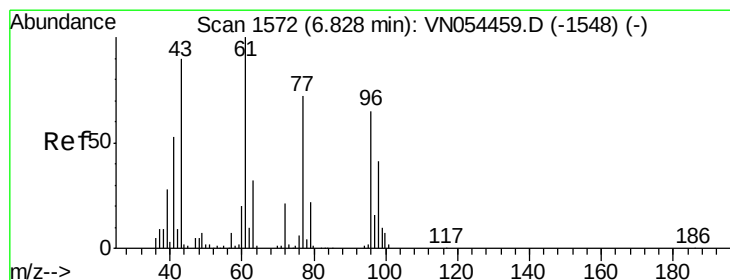
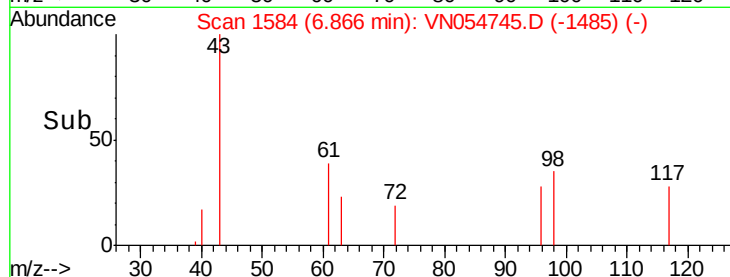
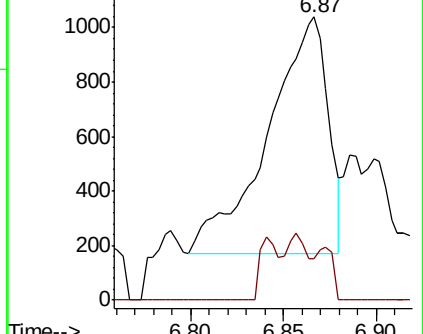
43 100

72 17.5 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#27

cis-1,2-Dichloroethene

Concen: 0.489 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

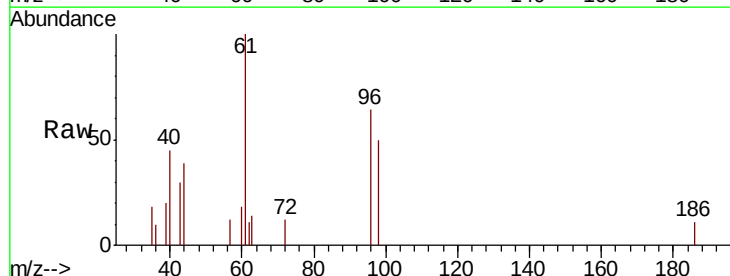
Tgt Ion: 96 Resp: 3041

Ion Ratio Lower Upper

96 100

61 134.1 0.0 273.0

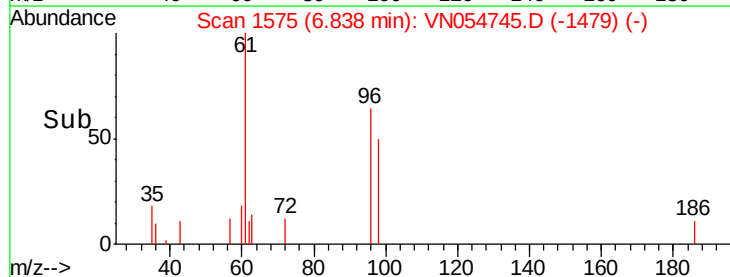
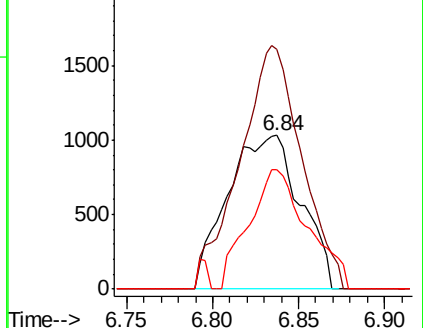
98 62.9 0.0 130.6



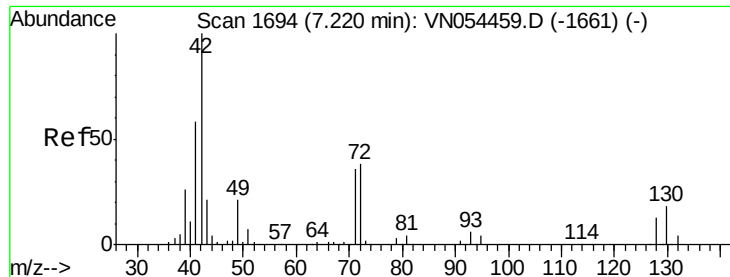
Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0







#29

Tetrahydrofuran

Concen: 0.877 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.01 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

Instrument :

MSVOA\_N

ClientSampled :

DR-WC-001

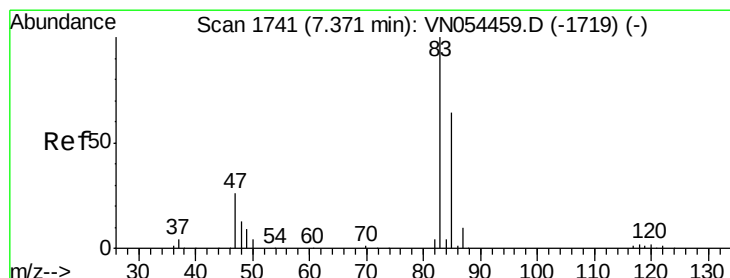
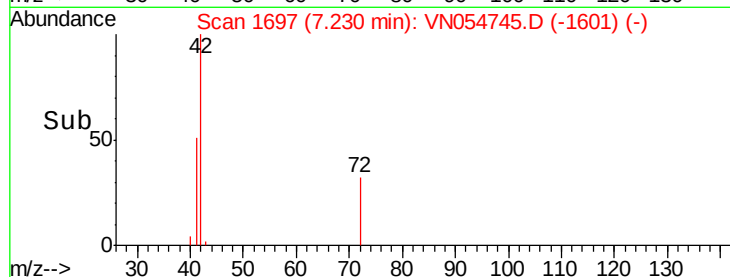
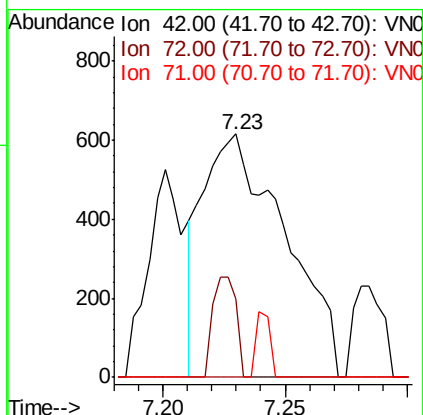
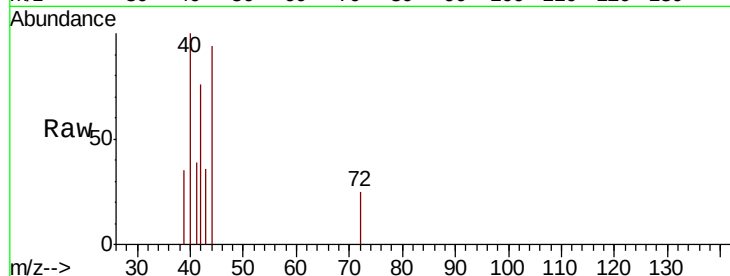
Tot Ion: 42 Resp: 1443

Ion Ratio Lower Upper

42 100

72 11.9 37.8 56.6#

71 4.3 36.2 54.2#



#30

Chloroform

Concen: 0.564 ug/l

RT: 7.38 min Scan# 1744

Delta R.T. 0.01 min

Lab File: VN054745.D

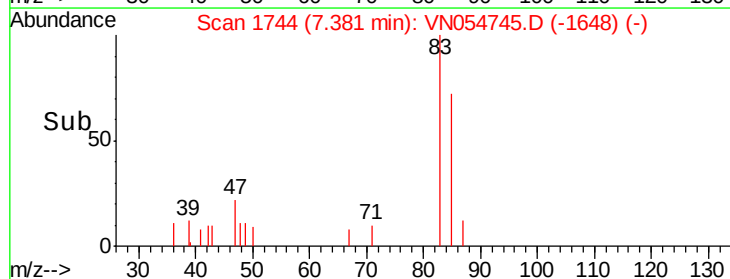
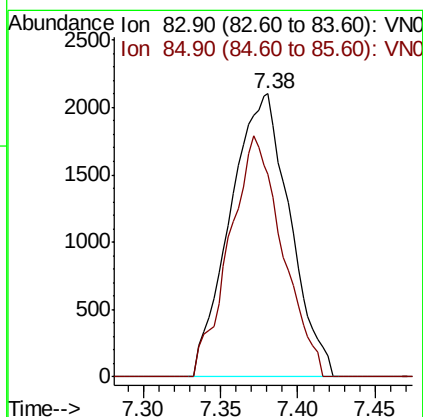
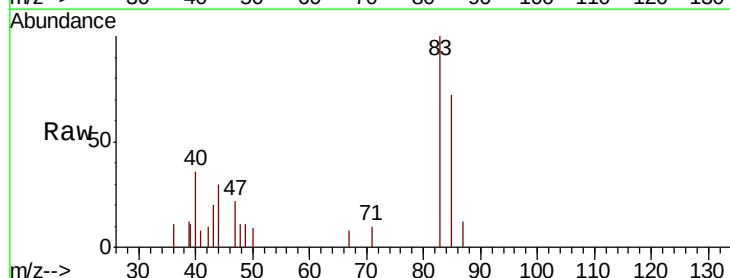
Acq: 28 Mar 2019 15:32

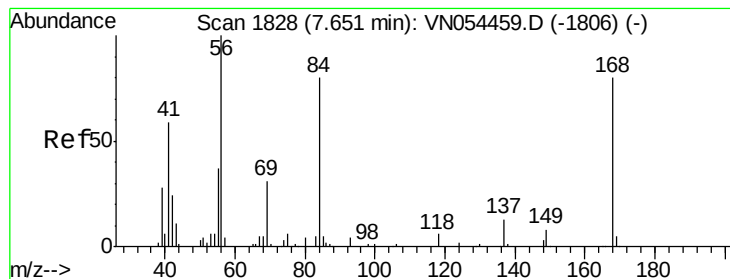
Tgt Ion: 83 Resp: 5627

Ion Ratio Lower Upper

83 100

85 71.6 52.2 78.4





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

Instrument :

MSVOA\_N

ClientSampled :

DR-WC-001

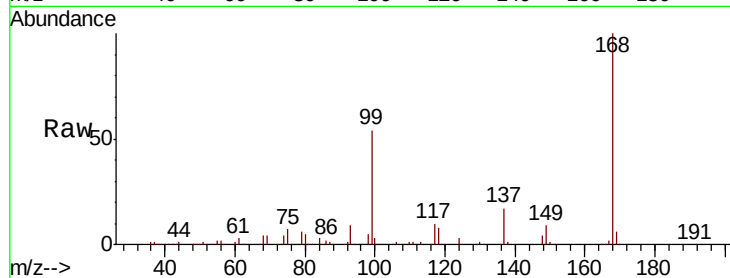
Tot Ion: 56 Resp: 12939

Ion Ratio Lower Upper

56 100

69 159.8 27.8 41.6#

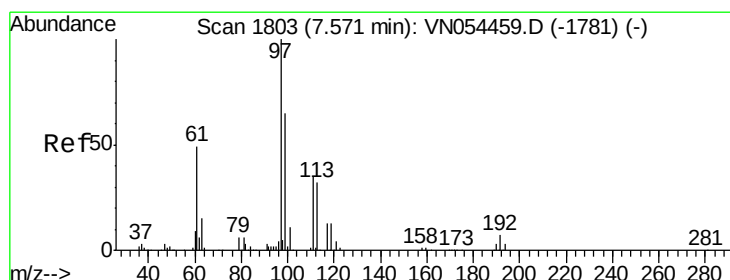
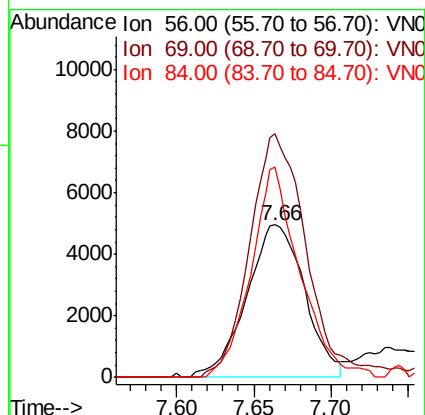
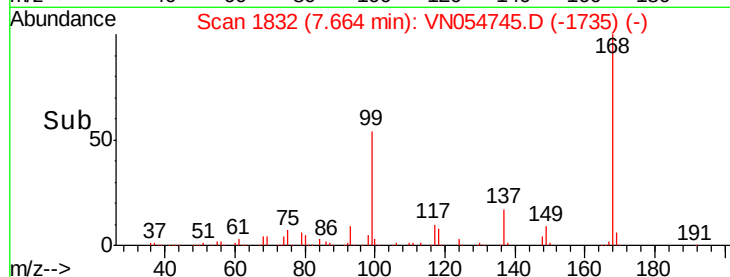
84 138.5 74.6 111.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 0.248 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

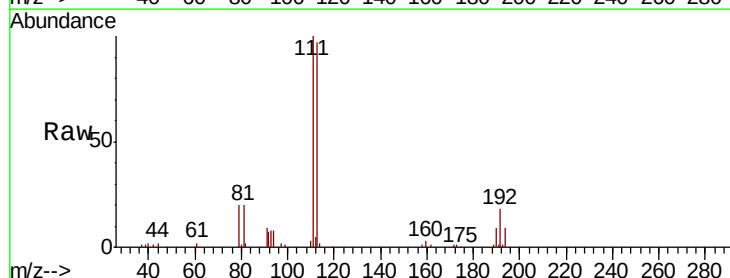
Tgt Ion: 97 Resp: 2041

Ion Ratio Lower Upper

97 100

99 0.0 51.5 77.3#

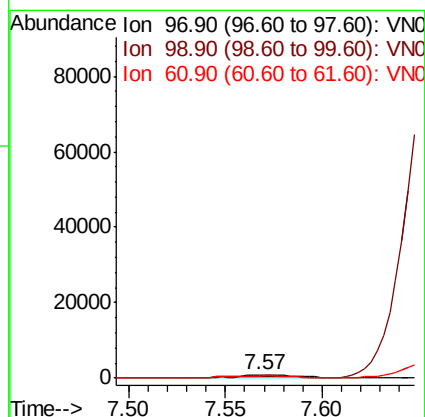
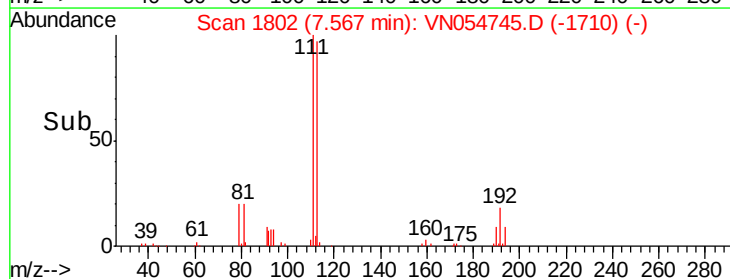
61 63.3 33.6 50.4#

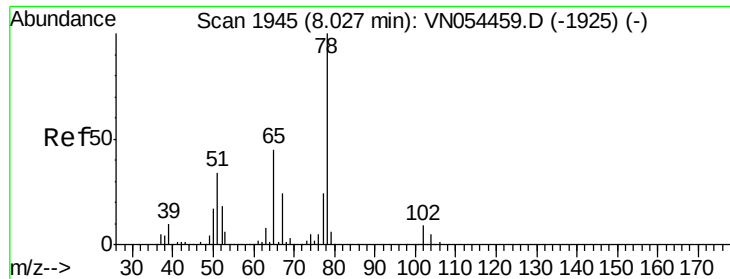


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

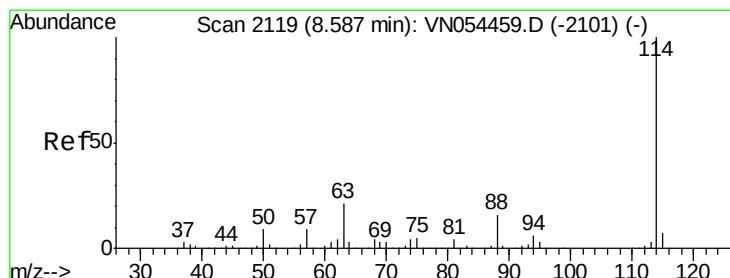
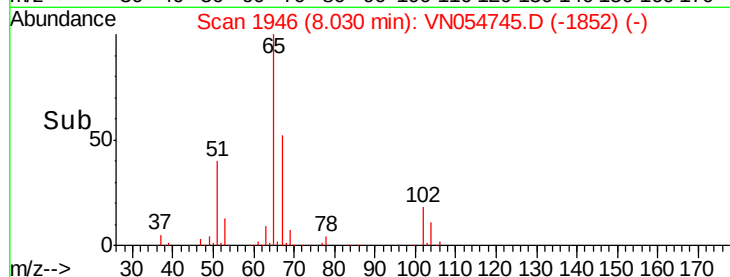
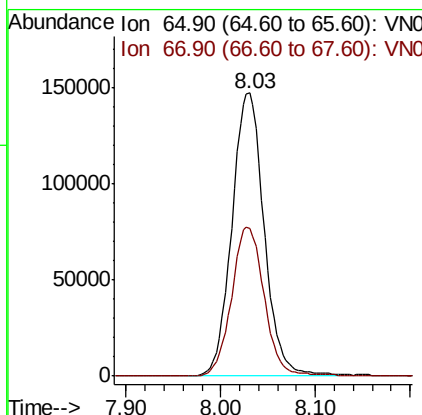
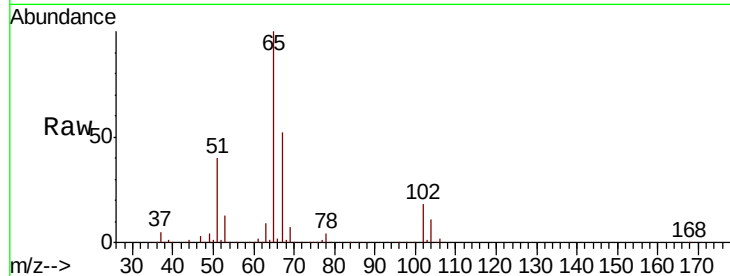




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.019 ug/l  
 RT: 8.03 min Scan# 1946  
 Delta R.T. 0.00 min  
 Lab File: VN054745.D  
 Acq: 28 Mar 2019 15:32

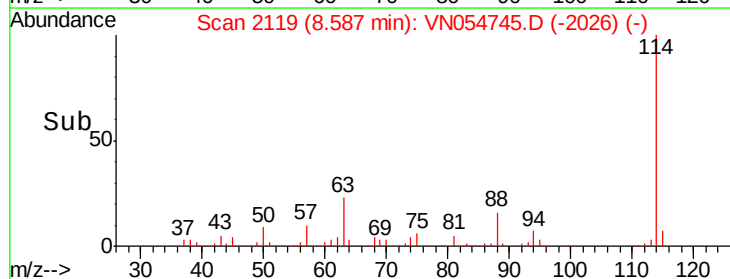
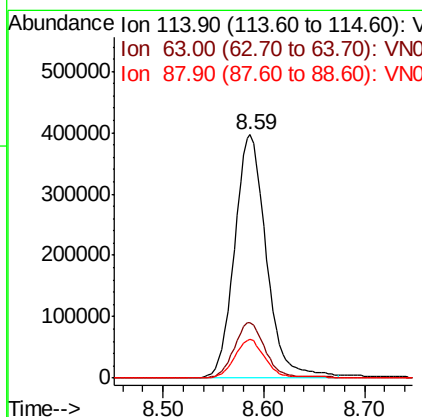
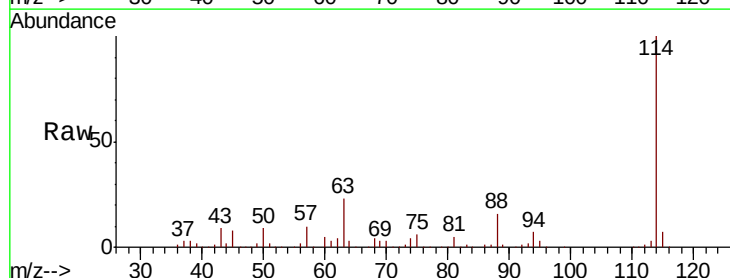
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DR-WC-001

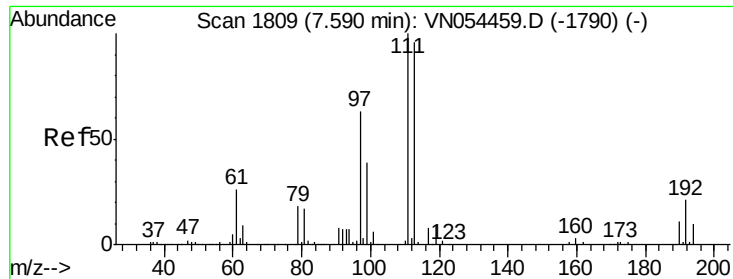
Tot Ion: 65 Resp: 349212  
 Ion Ratio Lower Upper  
 65 100  
 67 53.0 0.0 104.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN054745.D  
 Acq: 28 Mar 2019 15:32

Tgt Ion: 114 Resp: 868071  
 Ion Ratio Lower Upper  
 114 100  
 63 22.8 0.0 35.2  
 88 15.9 0.0 30.2

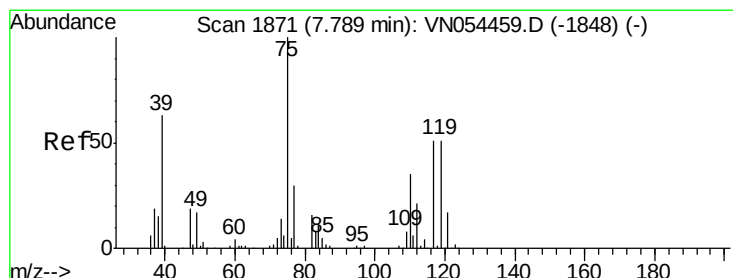
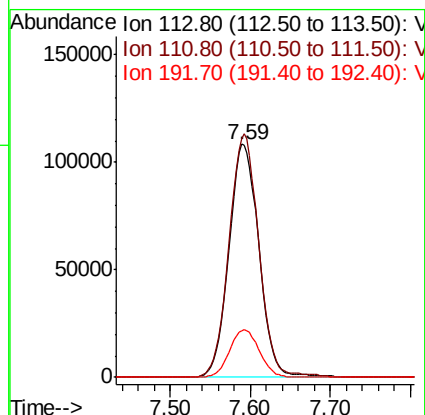
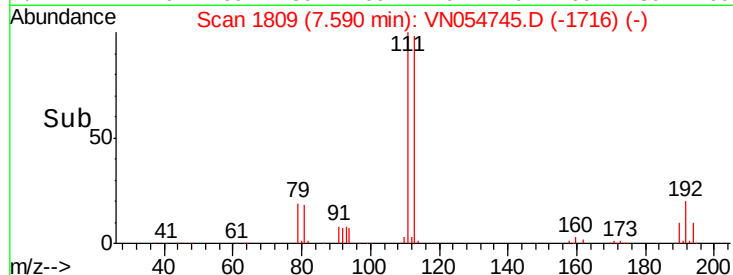
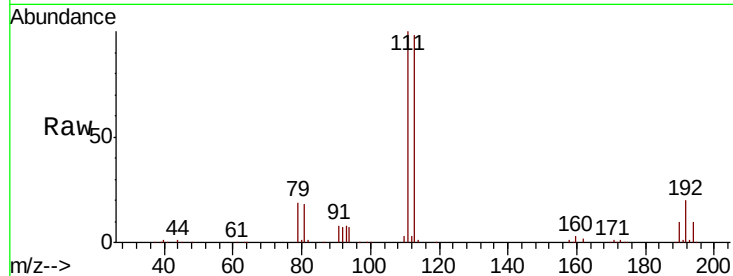




#35  
 Dibromofluoromethane  
 Concen: 49.419 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN054745.D  
 Acq: 28 Mar 2019 15:32

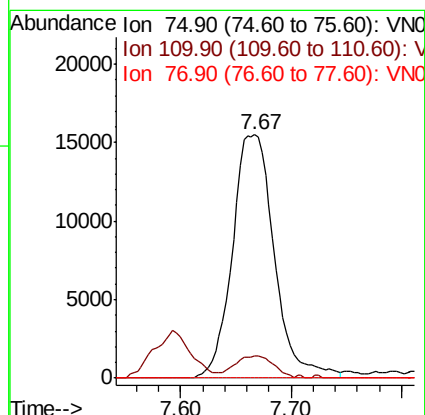
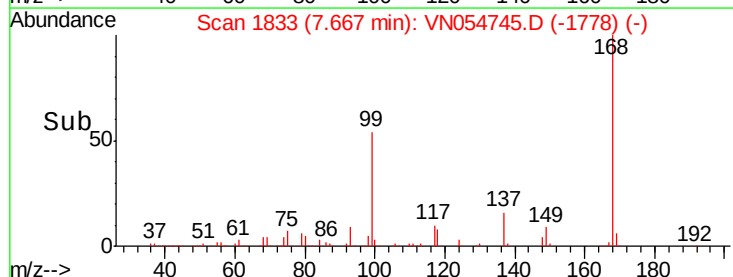
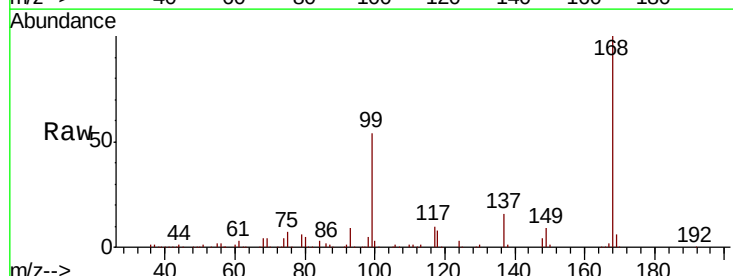
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 DR-WC-001

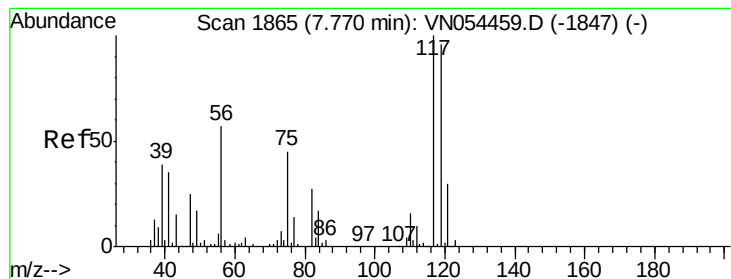
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.6 | 82.2  | 123.4 |
| 192     | 20.3  | 19.2  | 28.8  |



#36  
 1,1-Dichloropropene  
 Concen: 5.022 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.12 min  
 Lab File: VN054745.D  
 Acq: 28 Mar 2019 15:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.5   | 19.1  | 57.5# |
| 77      | 0.0   | 25.0  | 37.4# |





#38

Carbon Tetrachloride

Concen: 6.414 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.10 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

Instrument :

MSVOA\_N

ClientSampled :

DR-WC-001

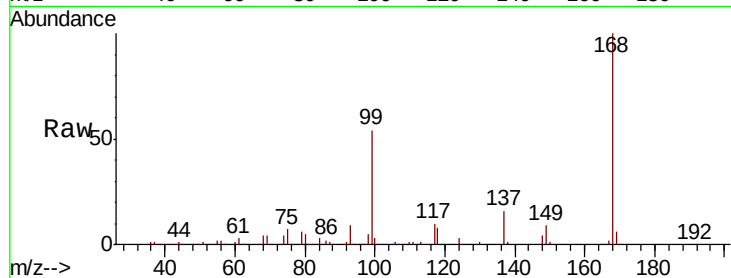
Tot Ion:117 Resp: 50593

Ion Ratio Lower Upper

117 100

119 4.2 76.3 114.5#

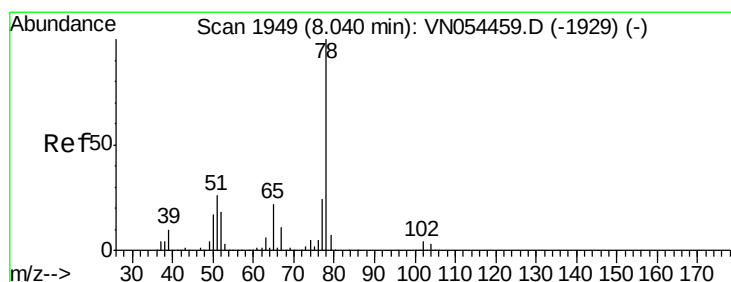
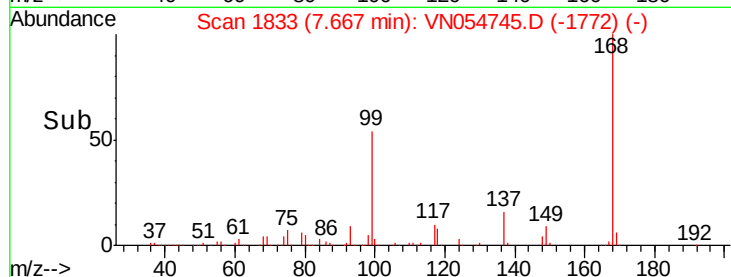
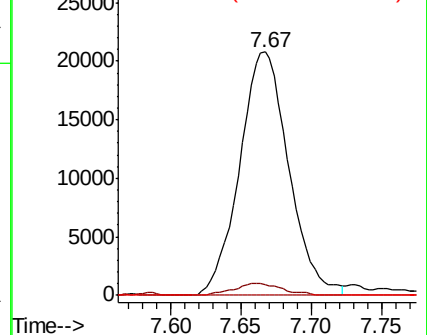
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 0.716 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN054745.D

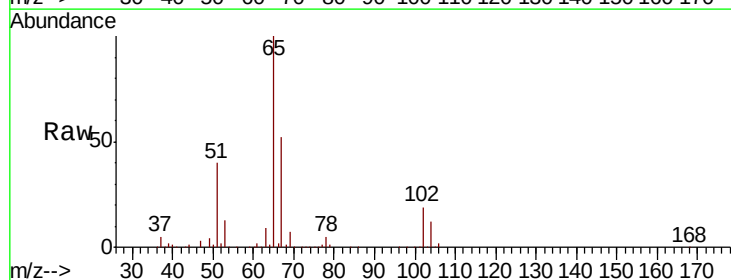
Acq: 28 Mar 2019 15:32

Tgt Ion: 78 Resp: 16624

Ion Ratio Lower Upper

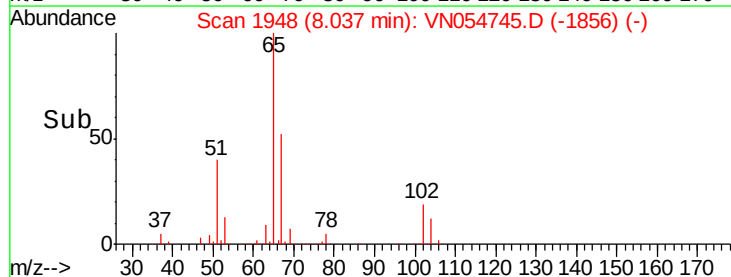
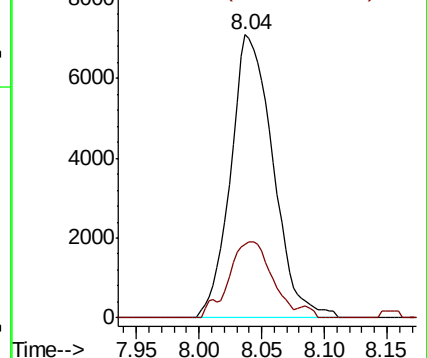
78 100

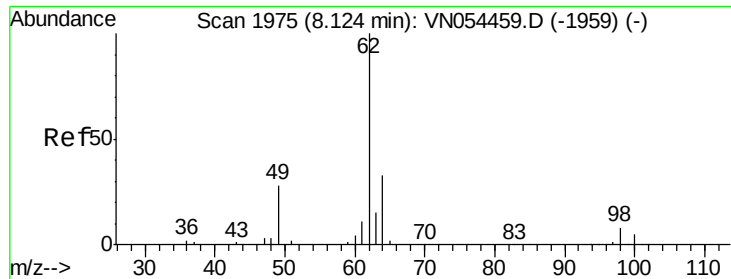
77 25.7 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

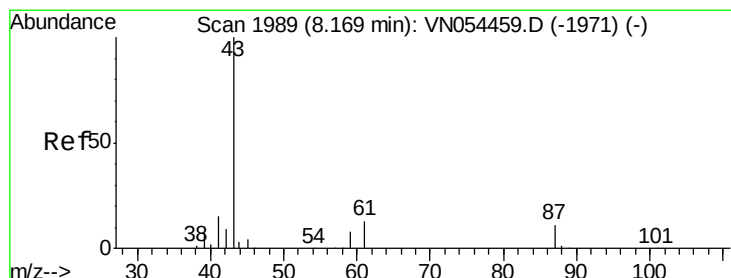
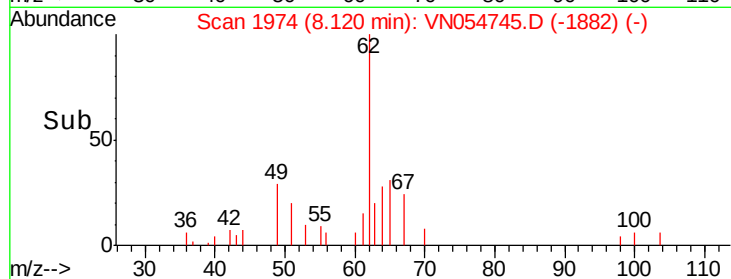
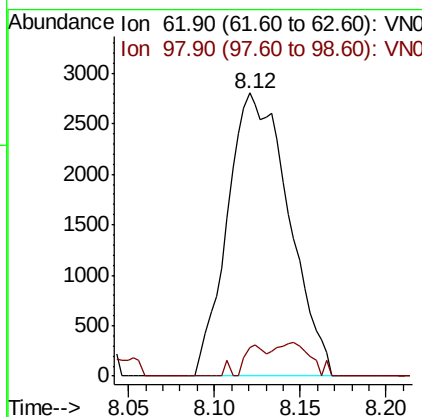
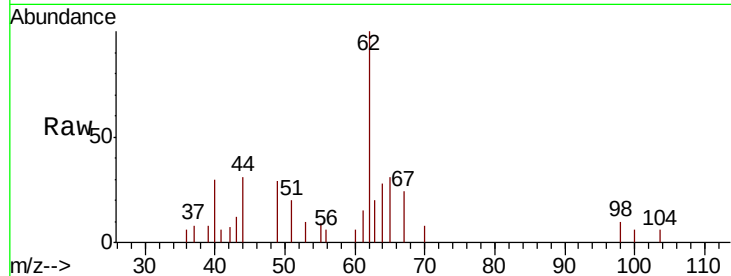




#42  
 1,2-Dichloroethane  
 Concen: 0.821 ug/l  
 RT: 8.12 min Scan# 1974  
 Delta R.T. -0.00 min  
 Lab File: VN054745.D  
 Acq: 28 Mar 2019 15:32

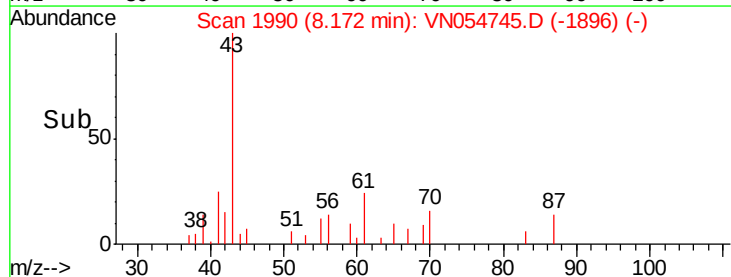
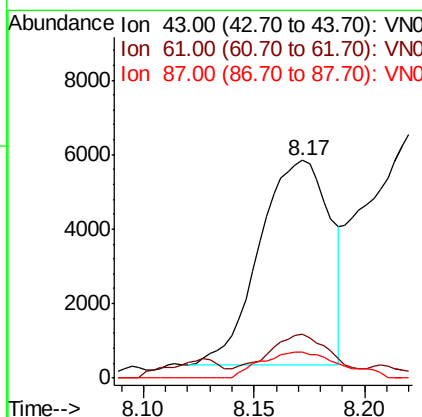
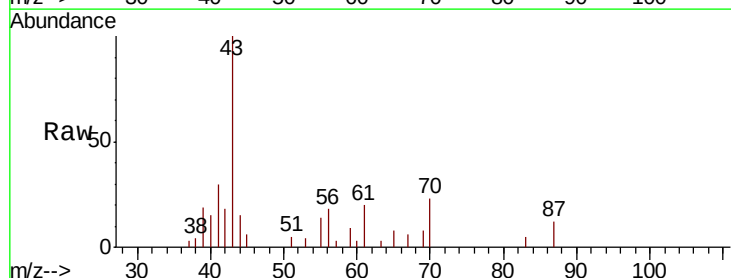
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 DR-WC-001

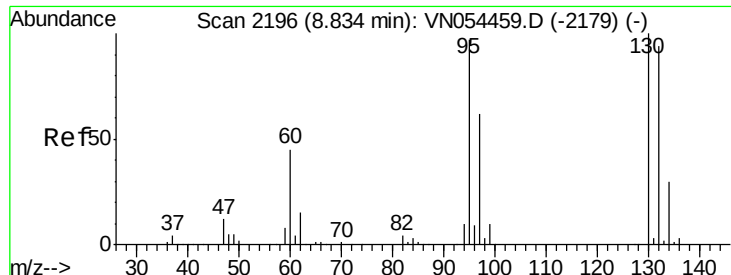
Tot Ion: 62 Resp: 6937  
 Ion Ratio Lower Upper  
 62 100  
 98 3.5 0.0 18.4



#43  
 Isopropyl Acetate  
 Concen: 1.250 ug/l  
 RT: 8.17 min Scan# 1990  
 Delta R.T. 0.00 min  
 Lab File: VN054745.D  
 Acq: 28 Mar 2019 15:32

Tgt Ion: 43 Resp: 12182  
 Ion Ratio Lower Upper  
 43 100  
 61 13.3 15.8 23.8#  
 87 14.2 12.0 18.0





#44

Trichloroethene

Concen: 0.440 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

Instrument :

MSVOA\_N

ClientSampleId :

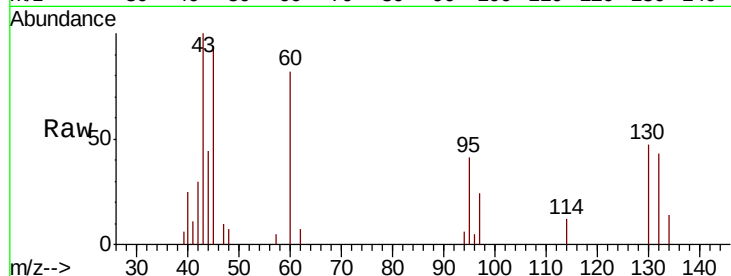
DR-WC-001

Tot Ion:130 Resp: 2840

Ion Ratio Lower Upper

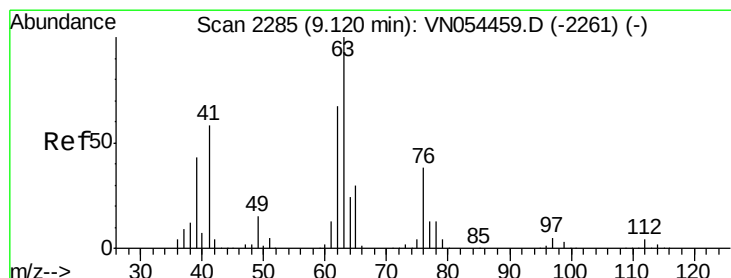
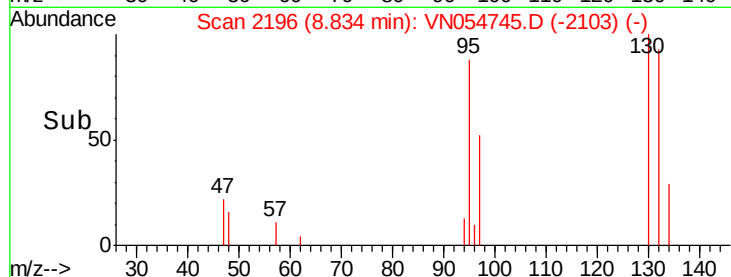
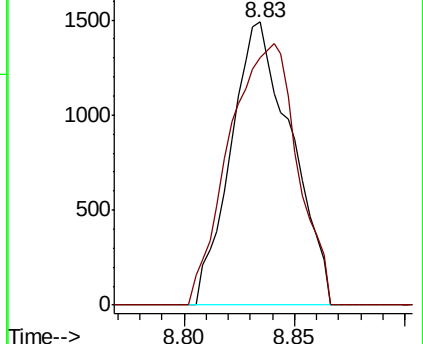
130 100

95 87.5 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 0.224 ug/l

RT: 9.27 min Scan# 2333

Delta R.T. 0.15 min

Lab File: VN054745.D

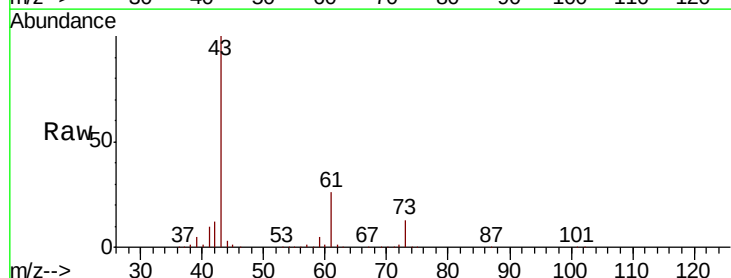
Acq: 28 Mar 2019 15:32

Tgt Ion: 63 Resp: 1396

Ion Ratio Lower Upper

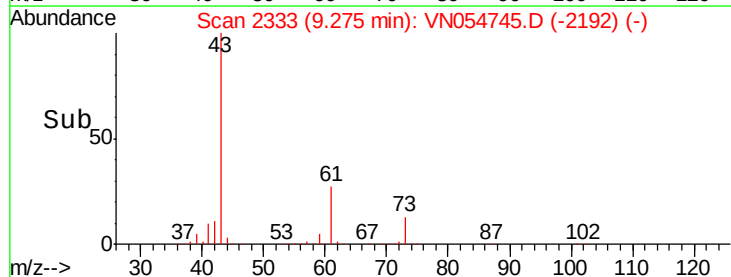
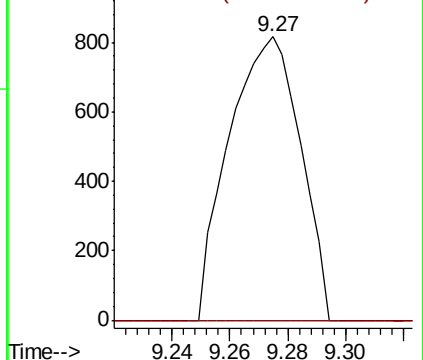
63 100

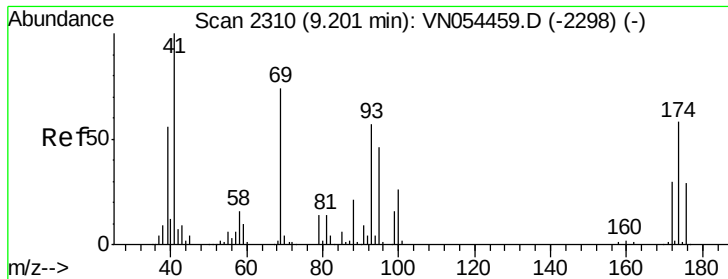
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#48

Methvl methacrylate

Concen: 1.126 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

Instrument :

MSVOA\_N

ClientSampleId :

DR-WC-001

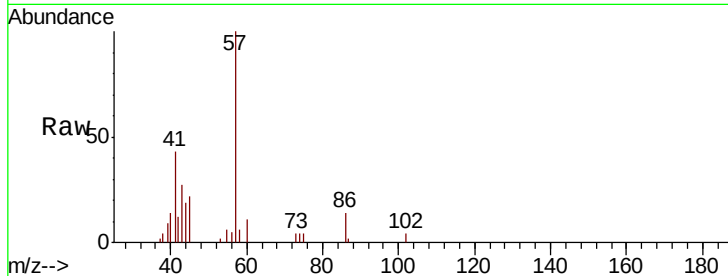
Tot Ion: 41 Resp: 5960

Ion Ratio Lower Upper

41 100

69 0.0 72.6 108.8#

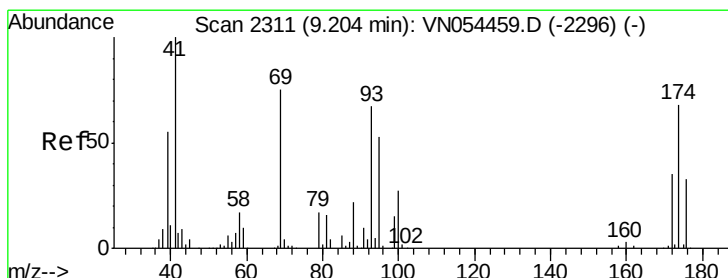
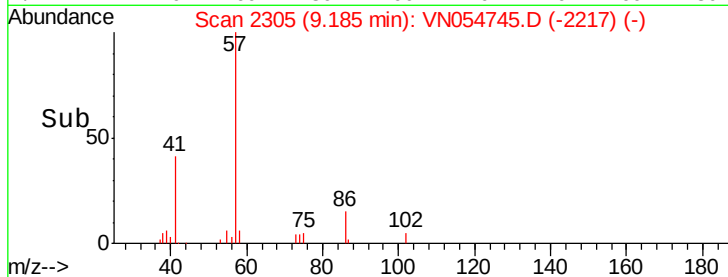
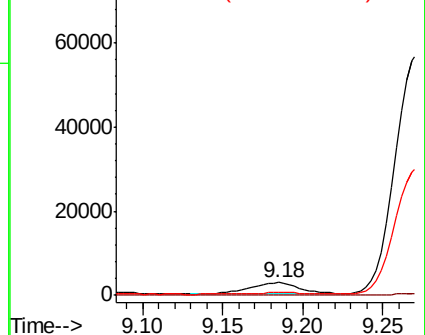
39 0.0 47.5 71.3#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#49

1,4-Dioxane

Concen: 0.490 ug/l

RT: 9.28 min Scan# 2334

Delta R.T. 0.07 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

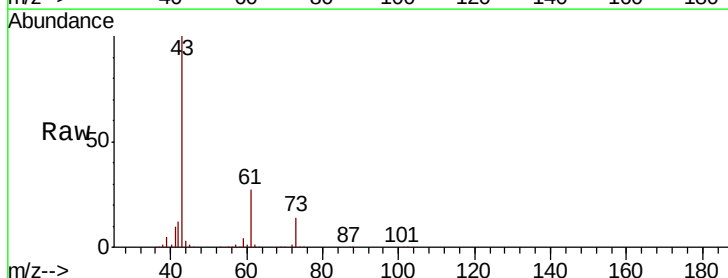
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 4094944.8 24.1 36.1#

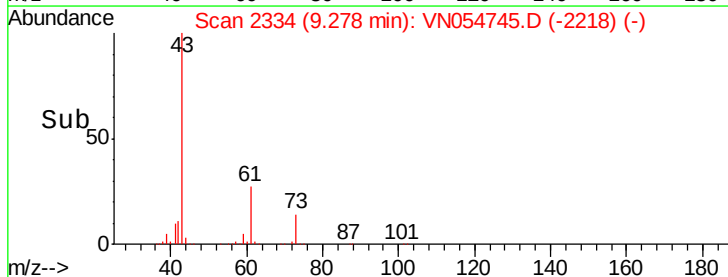
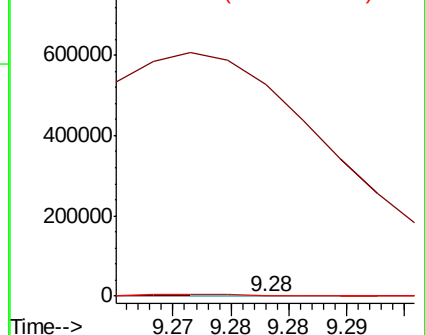
58 18000.0 50.8 76.2#



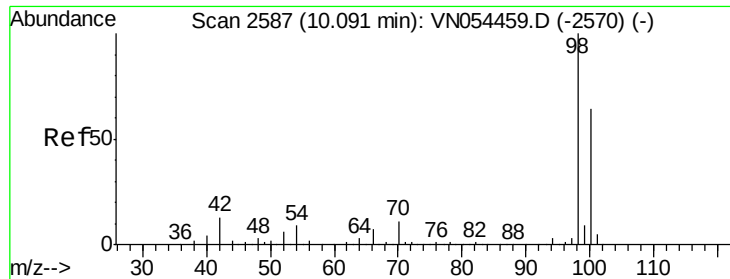
Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0







#50

Toluene-d8

Concen: 50.401 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

Instrument :

MSVOA\_N

ClientSampled :

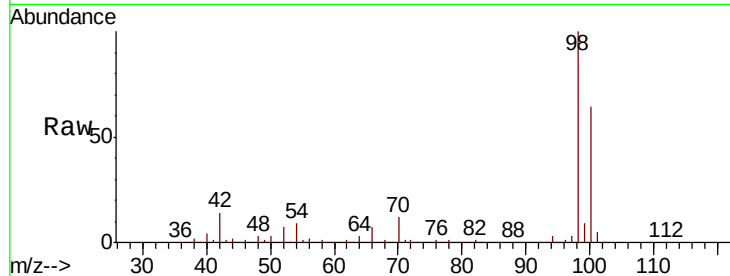
DR-WC-001

Tot Ion: 98 Resp: 1059652

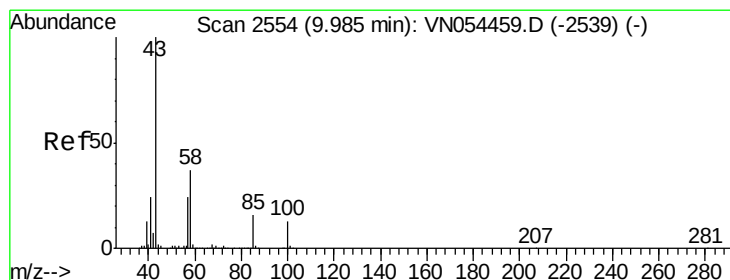
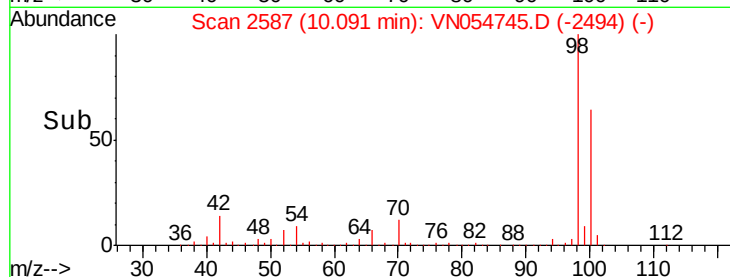
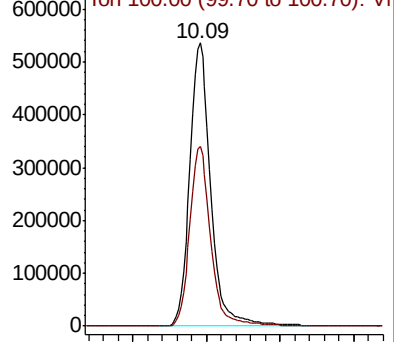
Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.915 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054745.D

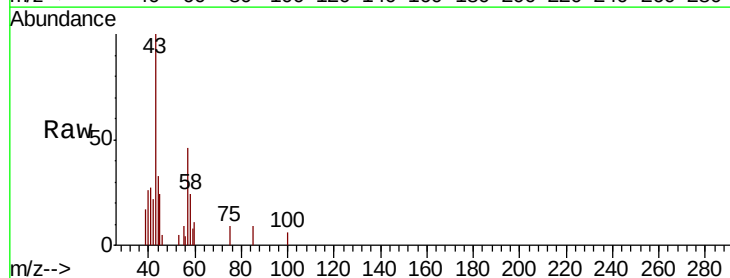
Acq: 28 Mar 2019 15:32

Tgt Ion: 43 Resp: 4944

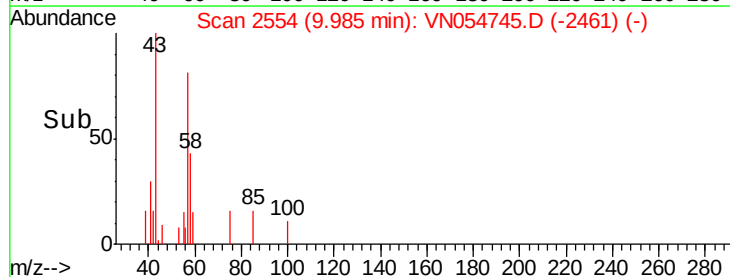
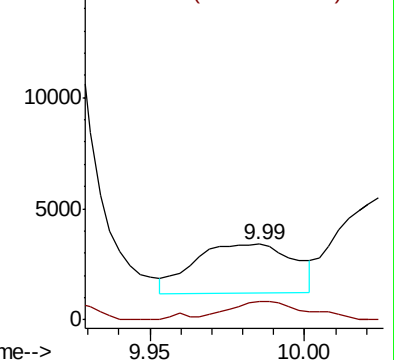
Ion Ratio Lower Upper

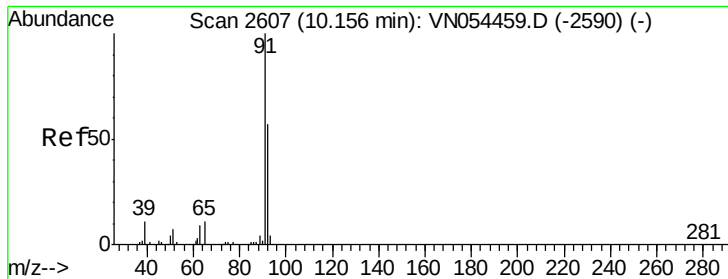
43 100

58 28.9 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-2539) (-)





#52

Toluene

Concen: 1.542 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

Instrument :

MSVOA\_N

ClientSampled :

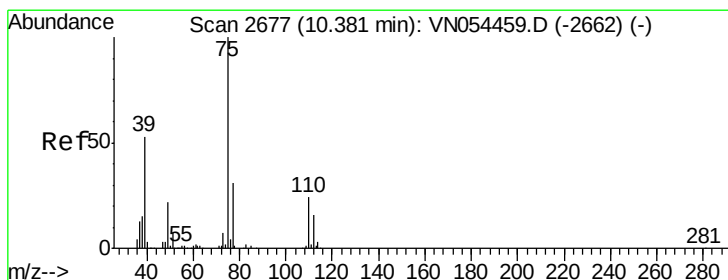
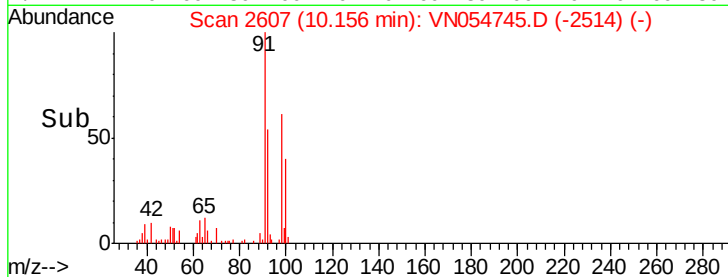
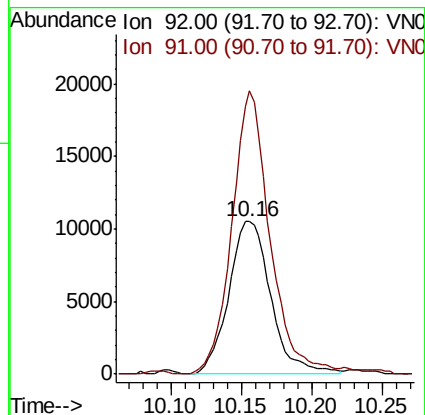
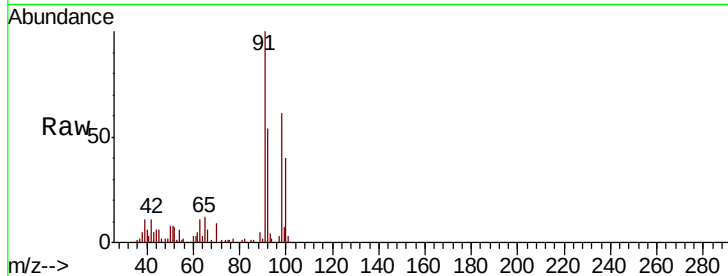
DR-WC-001

Tot Ion: 92 Resp: 22019

Ion Ratio Lower Upper

92 100

91 167.1 140.7 211.1



#53

t-1,3-Dichloropropene

Concen: 2.273 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.22 min

Lab File: VN054745.D

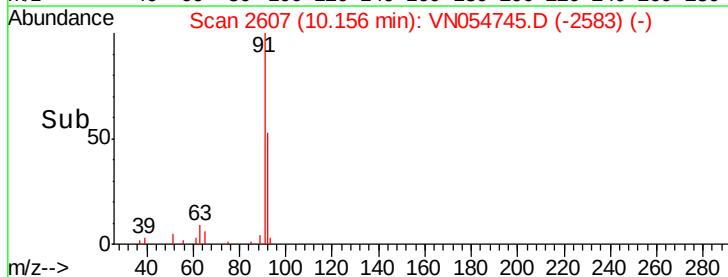
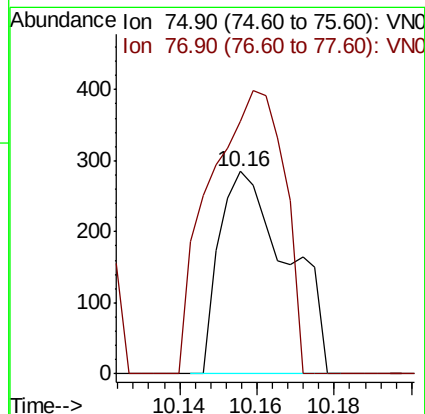
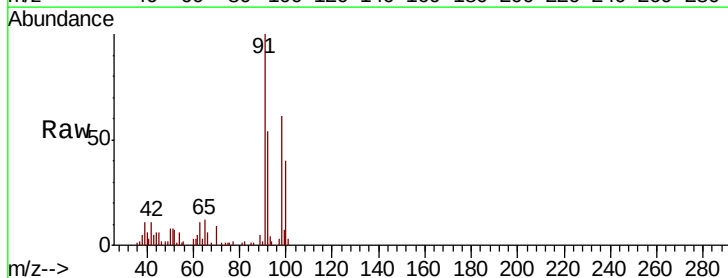
Acq: 28 Mar 2019 15:32

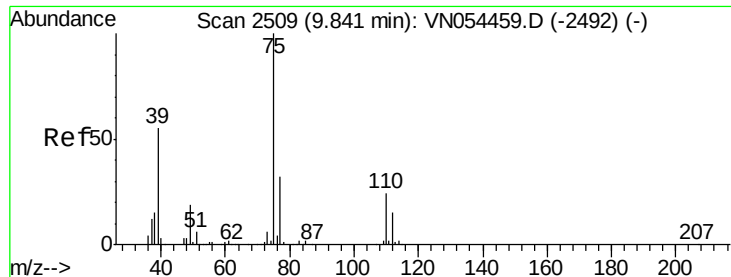
Tgt Ion: 75 Resp: 349

Ion Ratio Lower Upper

75 100

77 124.6 25.8 38.8#





#54

cis-1,3-Dichloropropene

Concen: 5.113 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

Instrument :

MSVOA\_N

ClientSampleId :

DR-WC-001

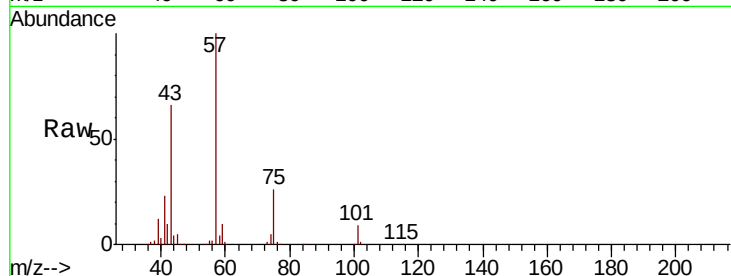
Tot Ion: 75 Resp: 45235

Ion Ratio Lower Upper

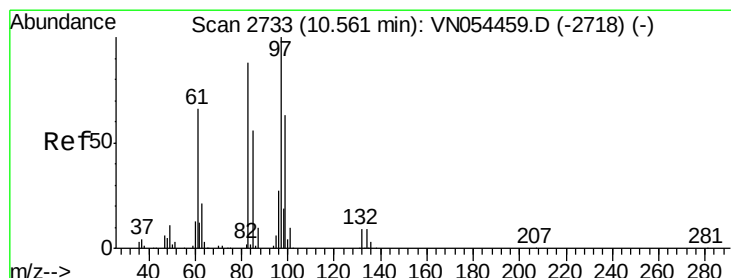
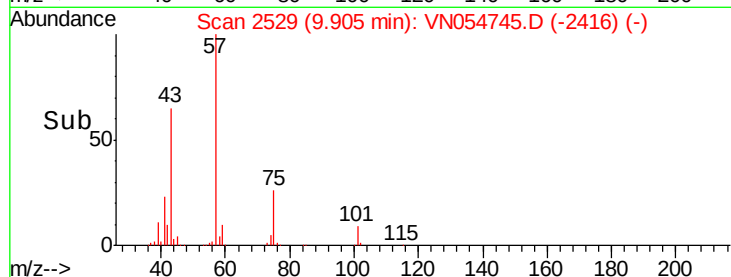
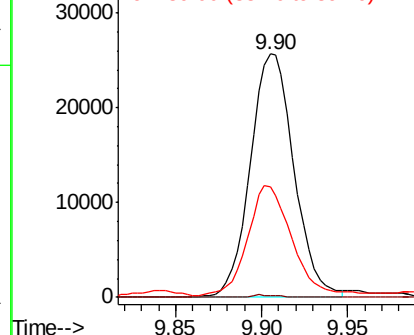
75 100

77 0.7 25.4 38.0#

39 44.2 37.2 55.8



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



#55

1,1,2-Trichloroethane

Concen: 0.764 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

Tgt Ion: 97 Resp: 3922

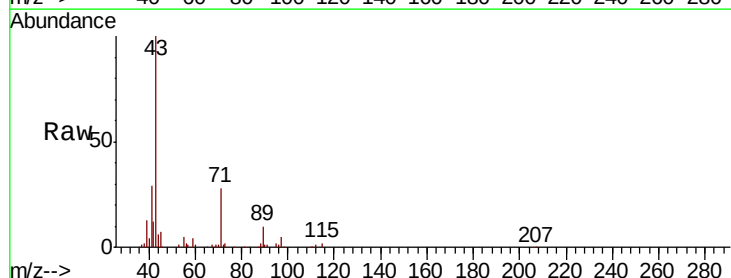
Ion Ratio Lower Upper

97 100

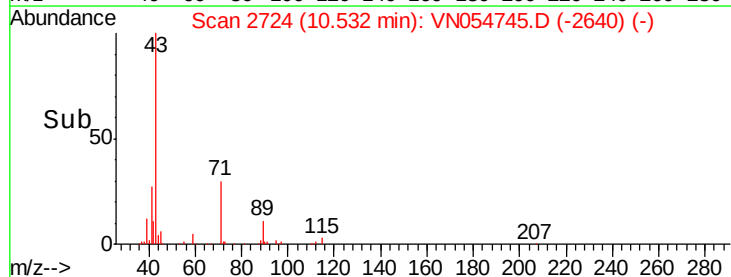
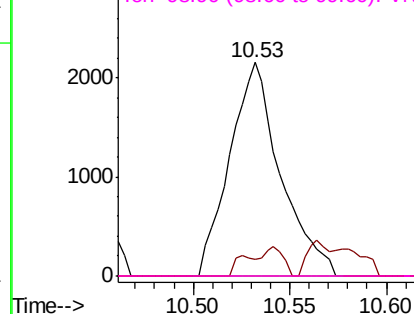
83 7.6 66.6 100.0#

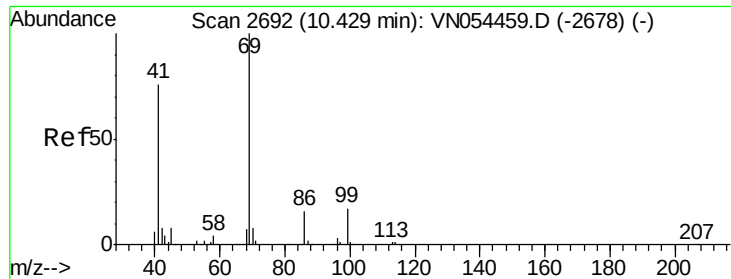
85 0.0 44.4 66.6#

99 0.0 50.8 76.2#



Abundance Ion 96.90 (96.60 to 97.60): VN0  
Ion 82.90 (82.60 to 83.60): VN0  
Ion 84.90 (84.60 to 85.60): VN0  
Ion 98.90 (98.60 to 99.60): VN0





#56

Ethyl methacrylate

Concen: 0.288 ug/l

RT: 10.44 min Scan# 2694

Delta R.T. 0.01 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

Instrument :

MSVOA\_N

ClientSampled :

DR-WC-001

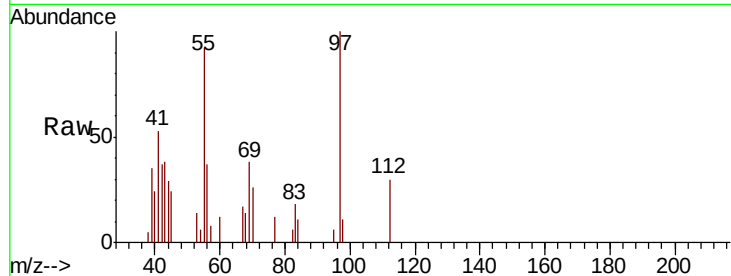
Tot Ion: 69 Resp: 1982

Ion Ratio Lower Upper

69 100

41 152.1 49.4 74.2#

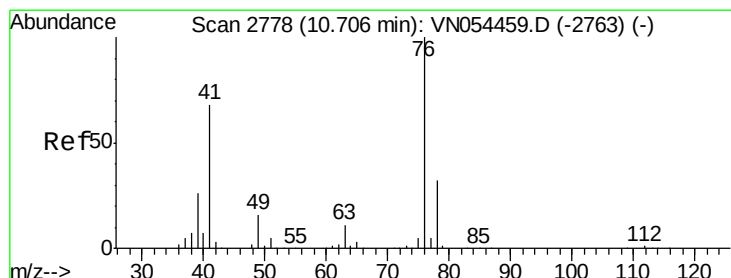
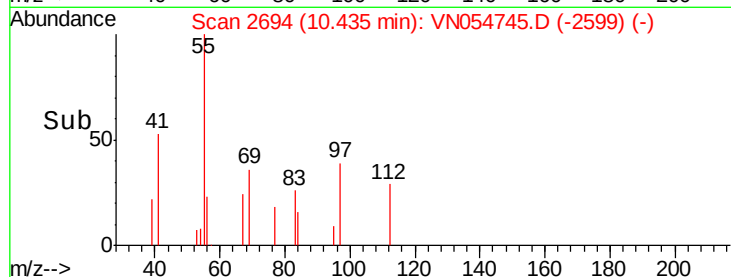
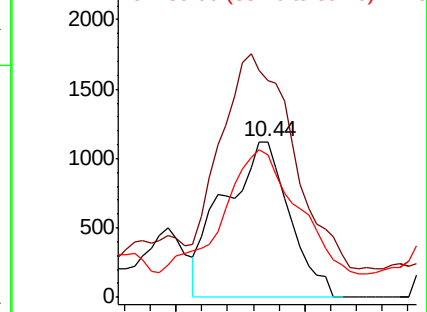
39 89.1 28.3 42.5#



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: 0.971 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN054745.D

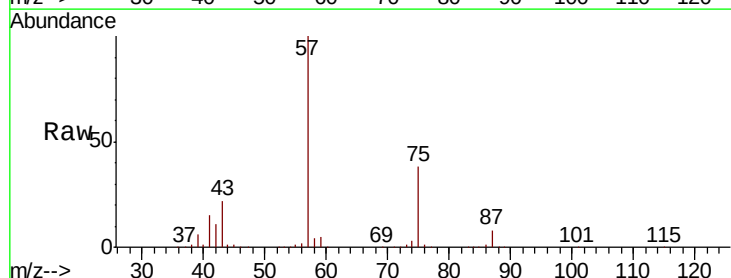
Acq: 28 Mar 2019 15:32

Tgt Ion: 76 Resp: 8663

Ion Ratio Lower Upper

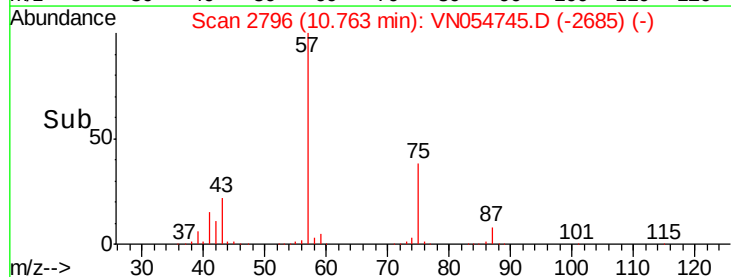
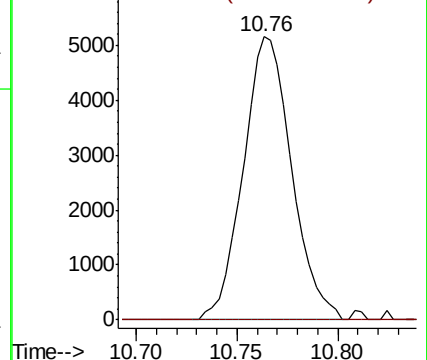
76 100

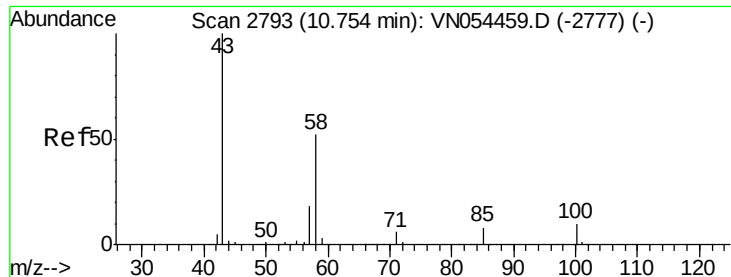
78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

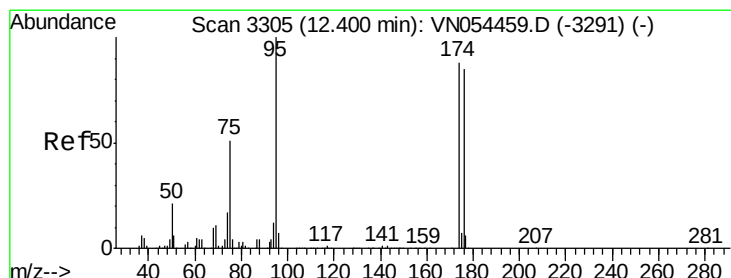
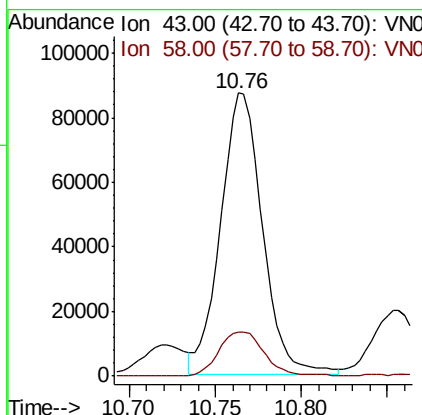
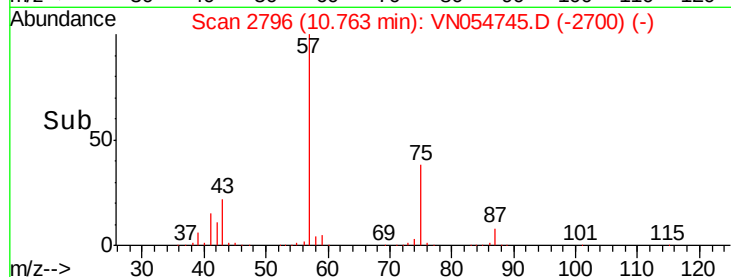
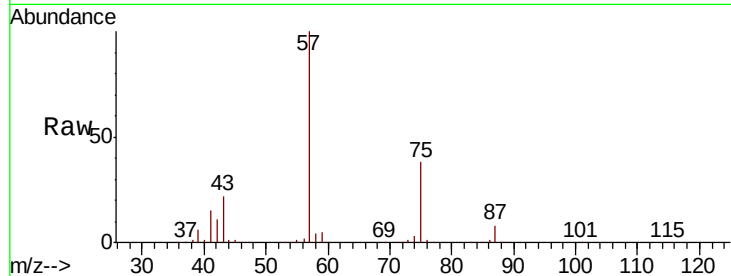




#59  
2-Hexanone  
Concen: 41.985 ug/l  
RT: 10.76 min Scan# 2796  
Delta R.T. 0.01 min  
Lab File: VN054745.D  
Acq: 28 Mar 2019 15:32

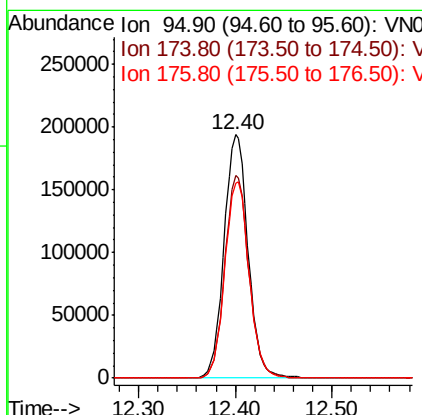
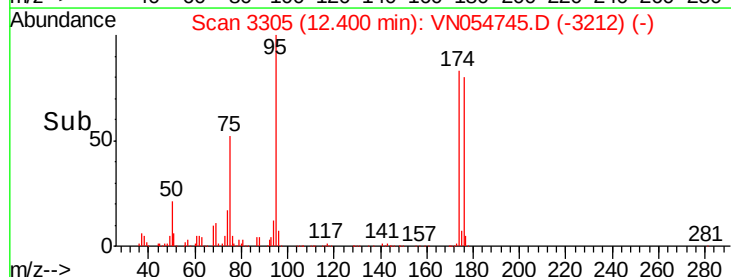
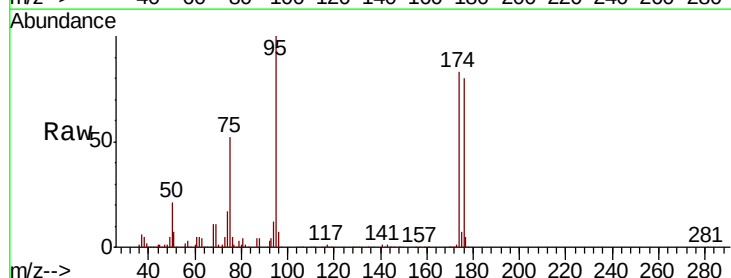
Instrument :  
MSVOA\_N  
ClientSampled :  
DR-WC-001

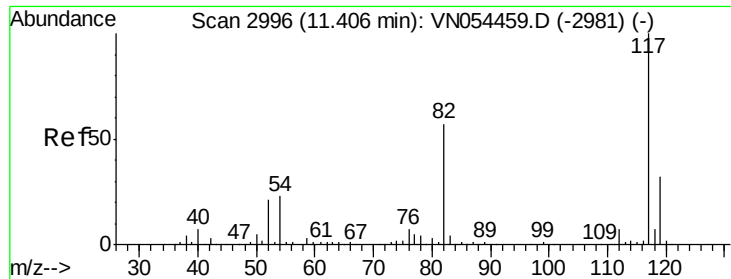
Tot Ion: 43 Resp: 148175  
Ion Ratio Lower Upper  
43 100  
58 17.3 28.0 83.9#



#62  
4-Bromofluorobenzene  
Concen: 46.838 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN054745.D  
Acq: 28 Mar 2019 15:32

Tgt Ion: 95 Resp: 335094  
Ion Ratio Lower Upper  
95 100  
174 82.9 0.0 191.0  
176 81.6 0.0 187.4

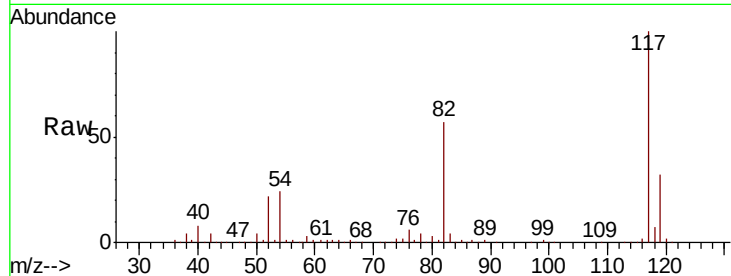




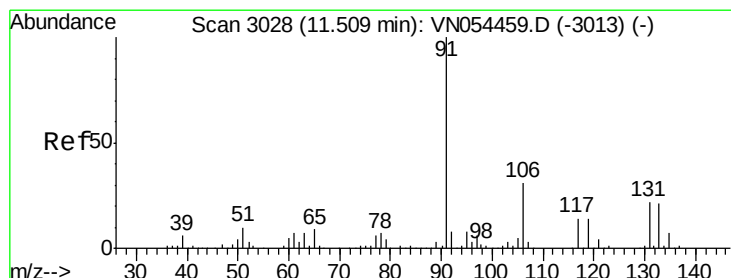
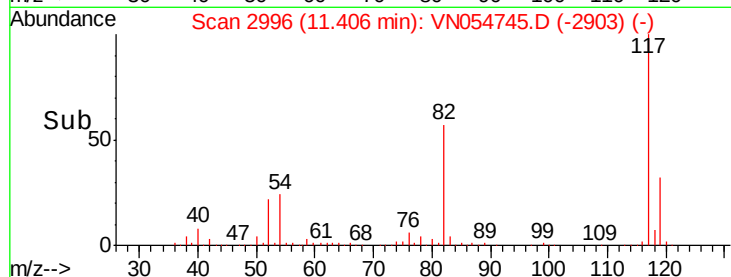
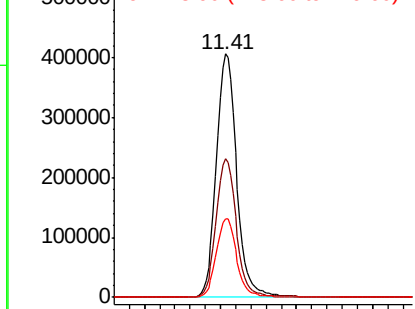
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN054745.D  
Acq: 28 Mar 2019 15:32

Instrument :  
MSVOA\_N  
ClientSampled :  
DR-WC-001

Tot Ion:117 Resp: 754386  
Ion Ratio Lower Upper  
117 100  
82 56.9 40.0 60.0  
119 32.4 25.8 38.6

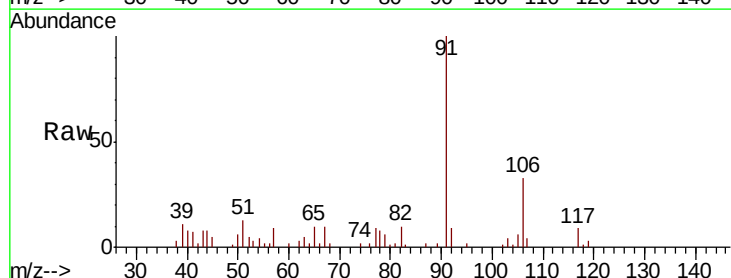


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VN  
Ion 118.90 (118.60 to 119.60): V

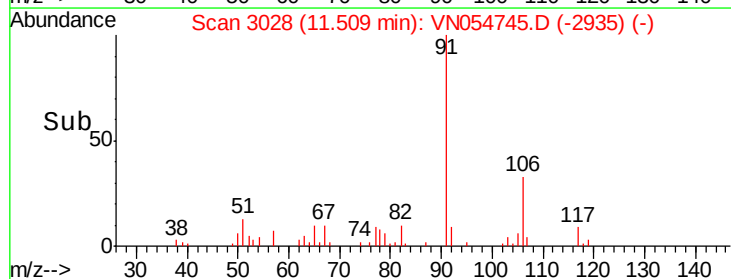
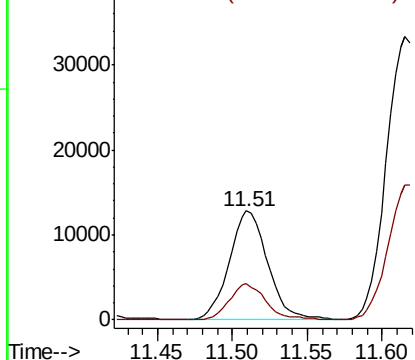


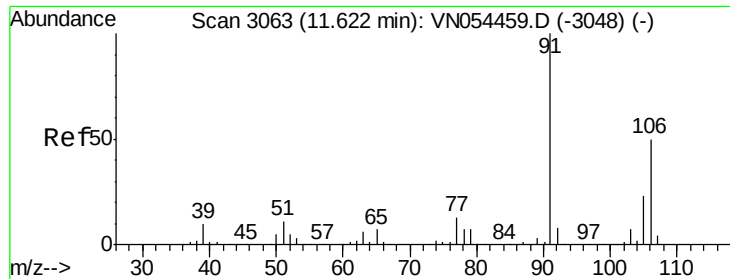
#67  
Ethyl Benzene  
Concen: 0.847 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN054745.D  
Acq: 28 Mar 2019 15:32

Tgt Ion: 91 Resp: 22952  
Ion Ratio Lower Upper  
91 100  
106 32.8 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN  
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 2.978 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

Instrument :

MSVOA\_N

ClientSampleId :

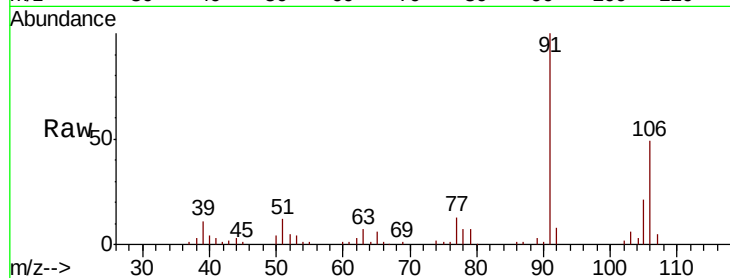
DR-WC-001

Tot Ion:106 Resp: 30574

Ion Ratio Lower Upper

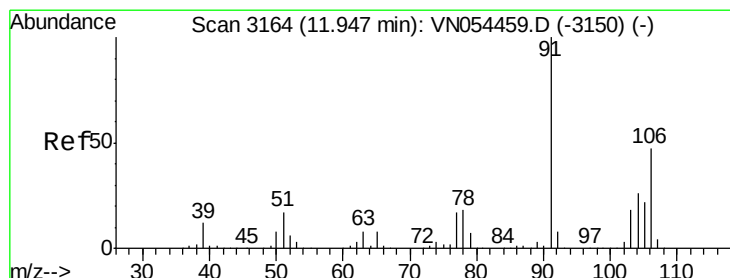
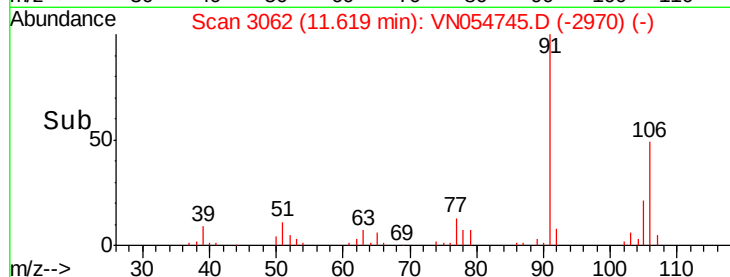
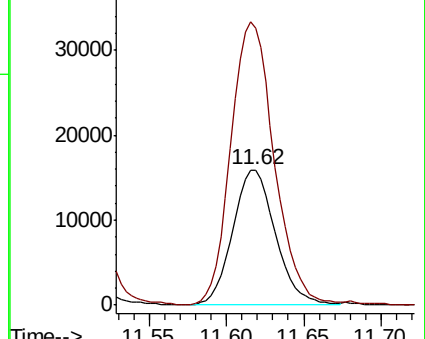
106 100

91 211.8 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 1.988 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054745.D

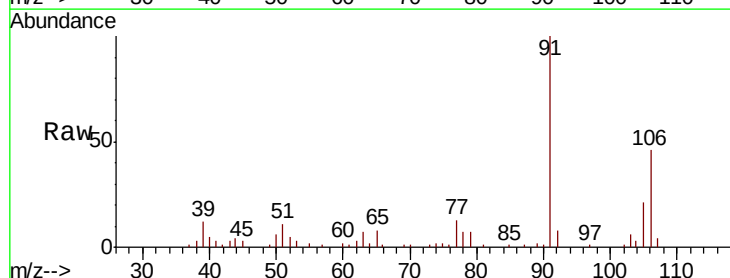
Acq: 28 Mar 2019 15:32

Tgt Ion:106 Resp: 19936

Ion Ratio Lower Upper

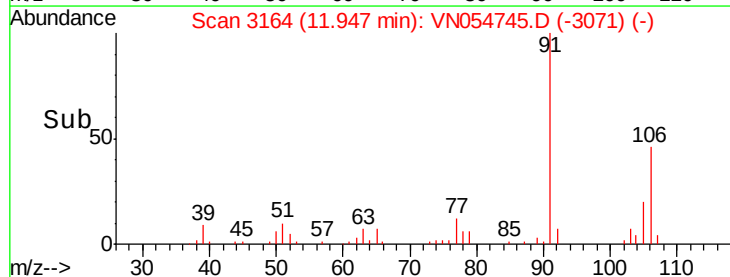
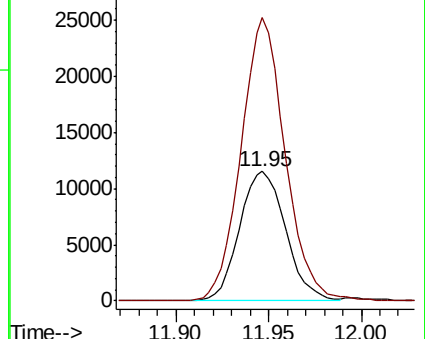
106 100

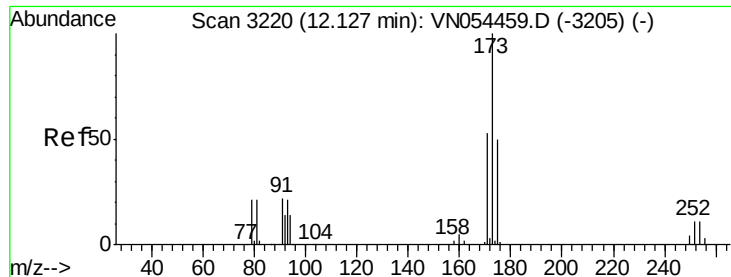
91 209.1 105.7 317.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 2.305 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.26 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

Instrument :

MSVOA\_N

ClientSampled :

DR-WC-001

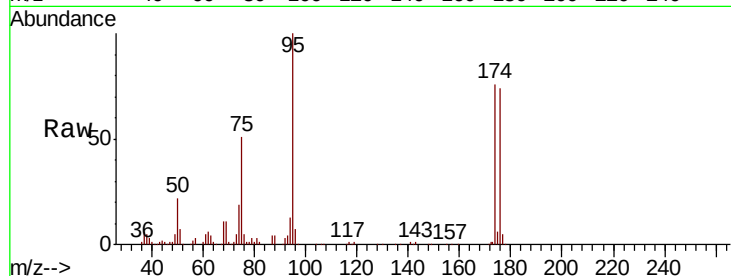
Tot Ion:173 Resp: 338

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

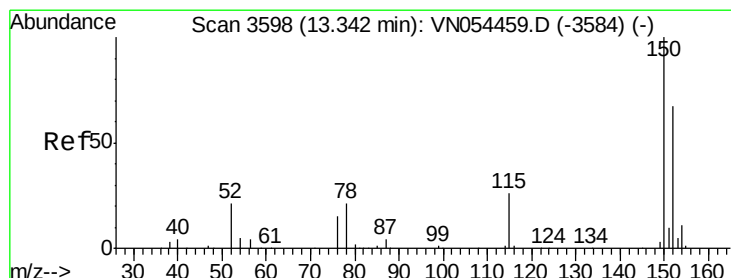
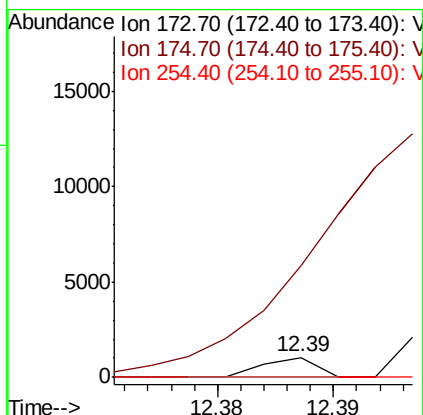
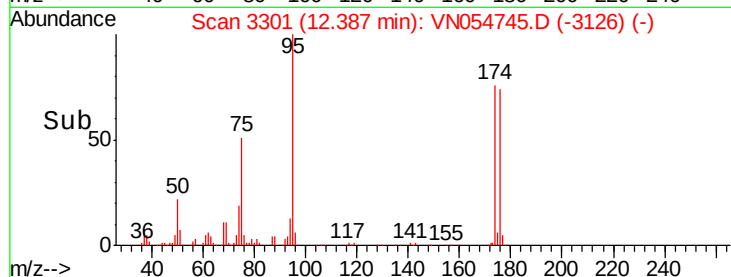
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

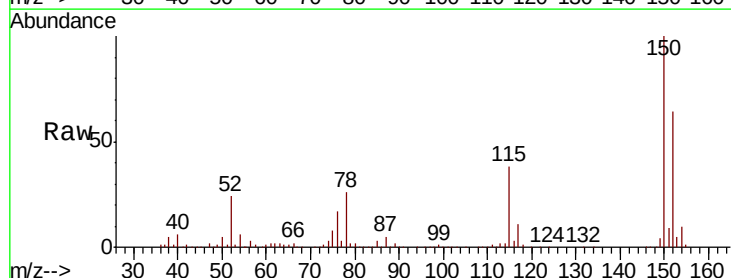
Tgt Ion:152 Resp: 282740

Ion Ratio Lower Upper

152 100

115 58.7 27.2 81.6

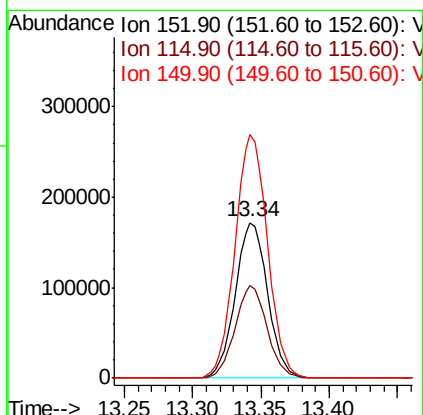
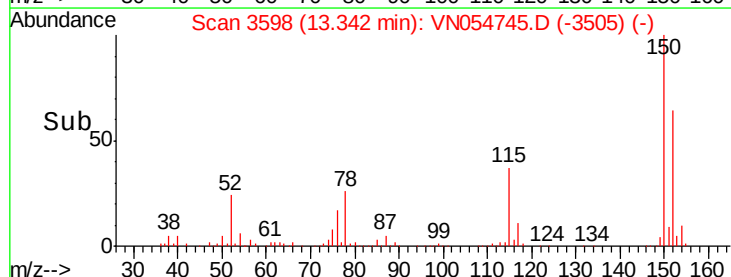
150 157.2 0.0 349.2



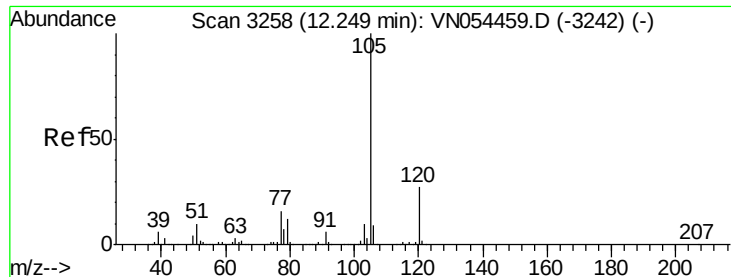
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 0.237 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

Instrument :

MSVOA\_N

ClientSampled :

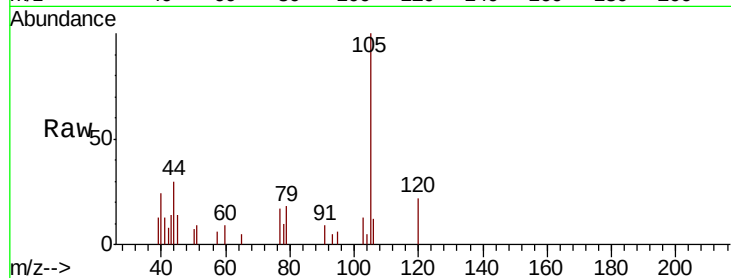
DR-WC-001

Tot Ion: 105 Resp: 5411

Ion Ratio Lower Upper

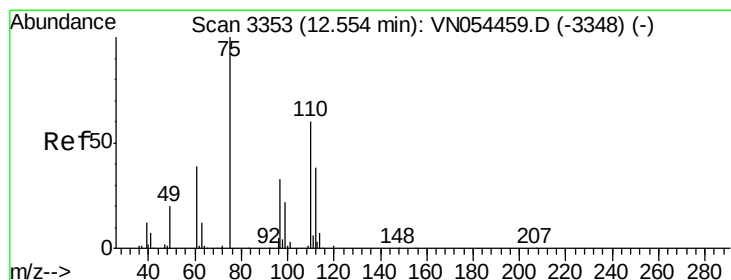
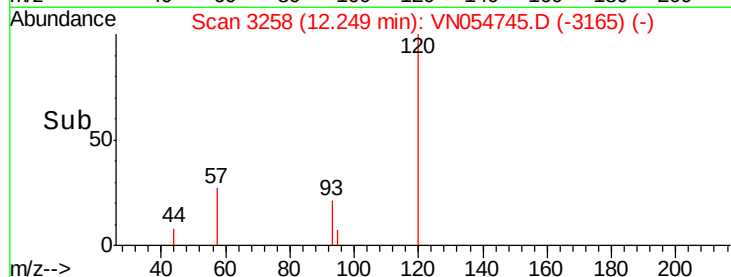
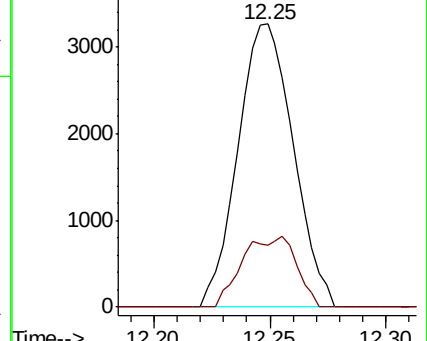
105 100

120 24.5 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 38.155 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054745.D

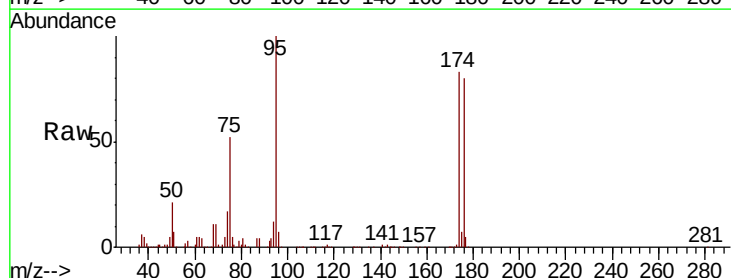
Acq: 28 Mar 2019 15:32

Tgt Ion: 75 Resp: 171190

Ion Ratio Lower Upper

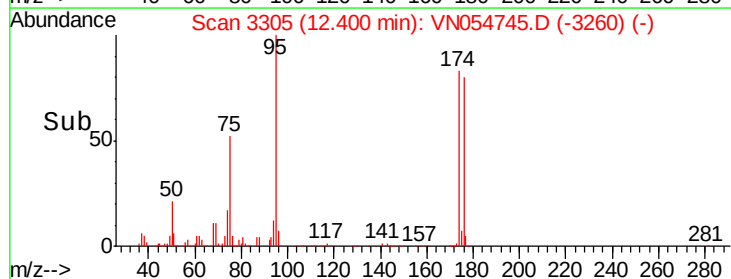
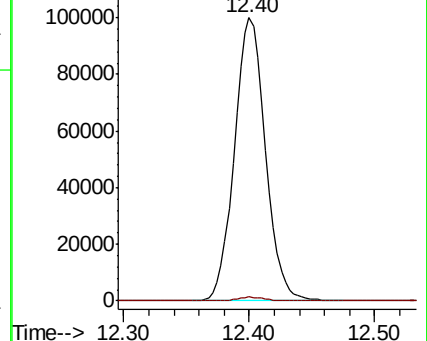
75 100

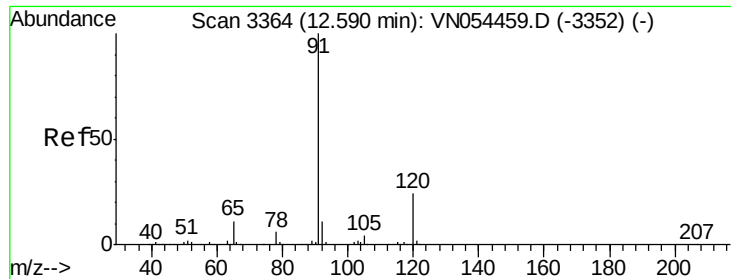
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

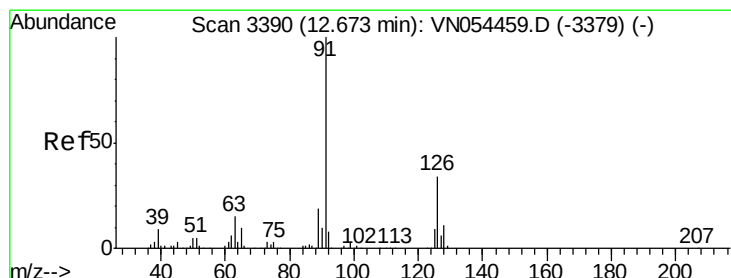
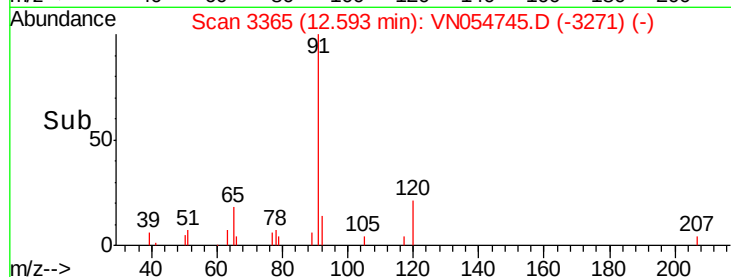
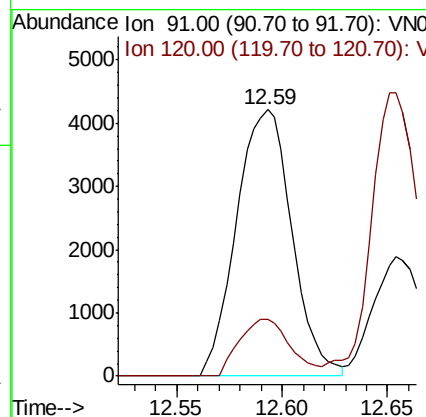
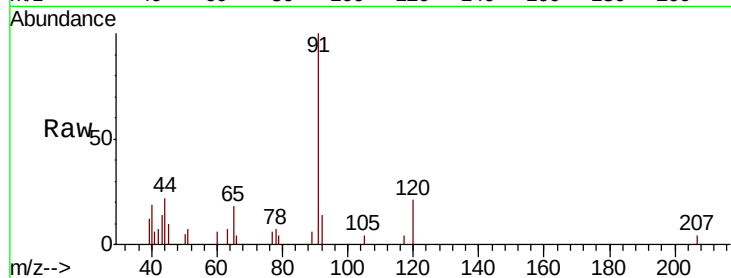




#78  
n-propylbenzene  
Concen: 0.312 ug/l  
RT: 12.59 min Scan# 3365  
Delta R.T. 0.00 min  
Lab File: VN054745.D  
Acq: 28 Mar 2019 15:32

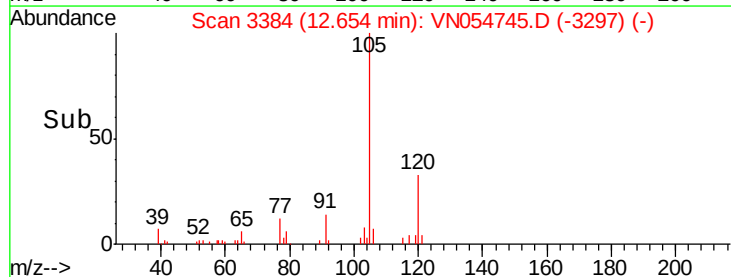
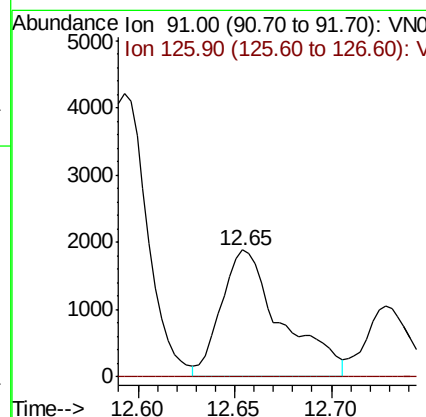
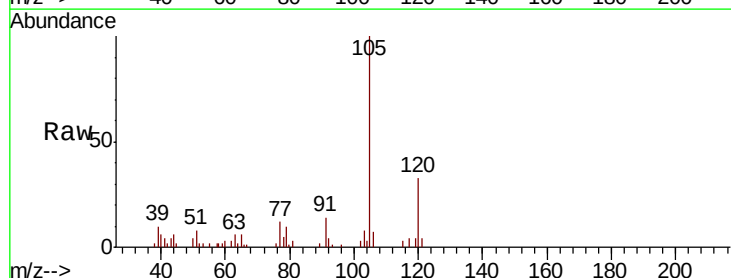
Instrument :  
MSVOA\_N  
ClientSampled :  
DR-WC-001

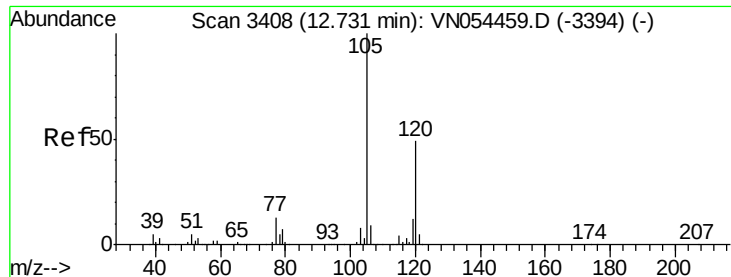
Tot Ion: 91 Resp: 7697  
Ion Ratio Lower Upper  
91 100  
120 19.8 12.3 36.9



#79  
2-Chlorotoluene  
Concen: 0.266 ug/l  
RT: 12.65 min Scan# 3384  
Delta R.T. -0.02 min  
Lab File: VN054745.D  
Acq: 28 Mar 2019 15:32

Tgt Ion: 91 Resp: 4100  
Ion Ratio Lower Upper  
91 100  
126 0.0 18.7 56.1#

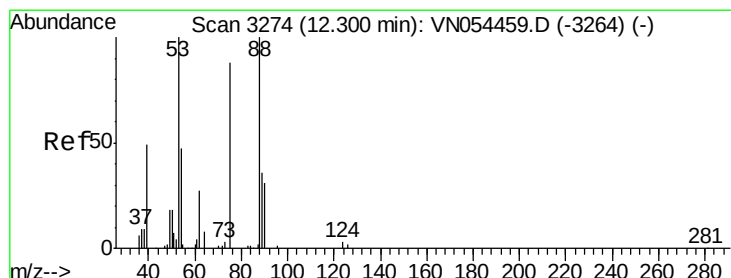
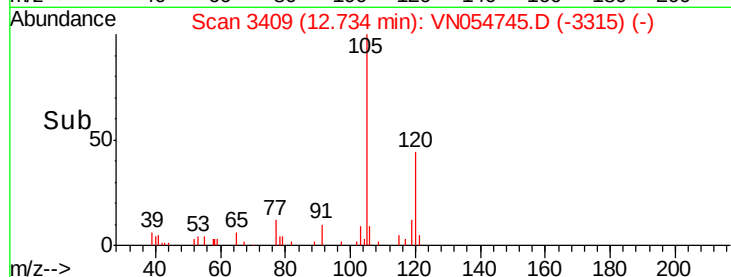
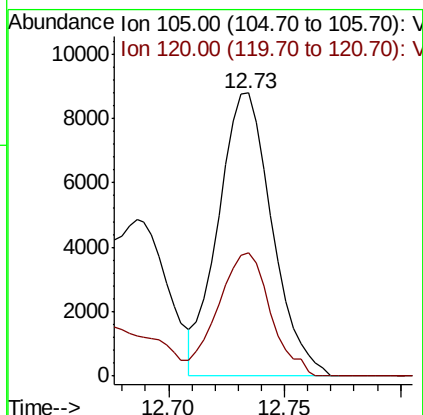
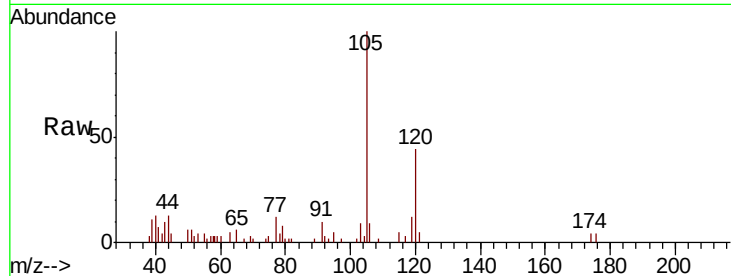




#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.760 ug/l  
 RT: 12.73 min Scan# 3409  
 Delta R.T. 0.00 min  
 Lab File: VN054745.D  
 Acq: 28 Mar 2019 15:32

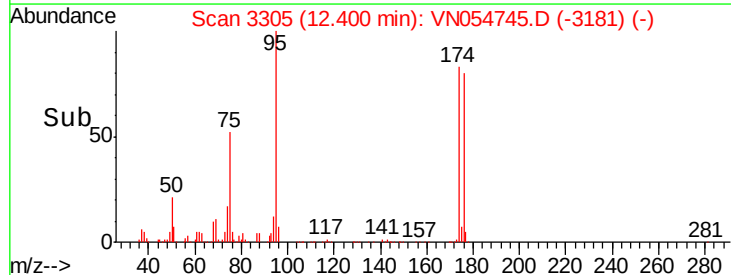
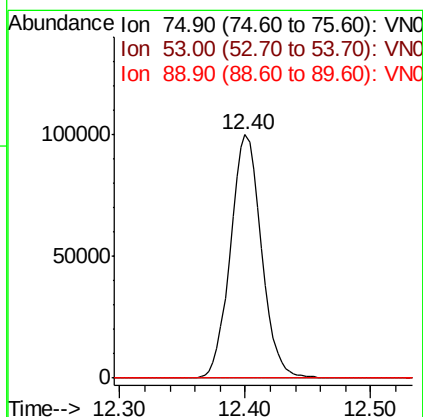
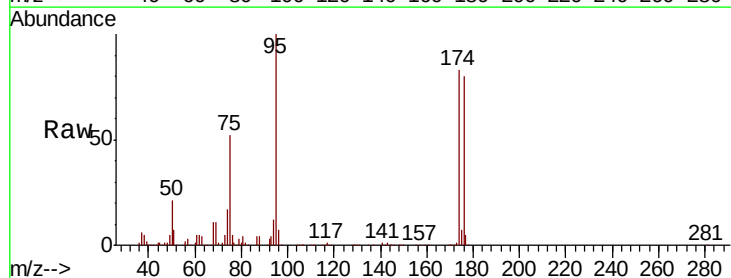
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 DR-WC-001

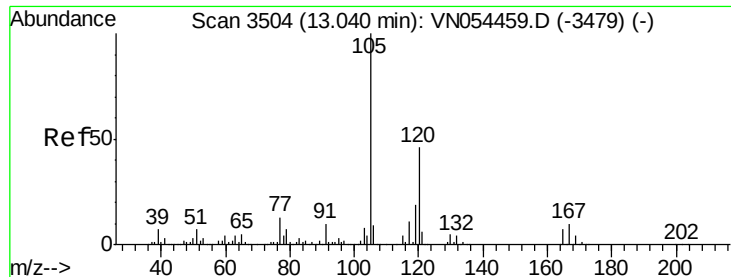
Tot Ion:105 Resp: 14188  
 Ion Ratio Lower Upper  
 105 100  
 120 42.3 25.0 75.0



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 126.363 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.10 min  
 Lab File: VN054745.D  
 Acq: 28 Mar 2019 15:32

Tgt Ion: 75 Resp: 171190  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 76.2 114.2#  
 89 0.0 39.2 58.8#

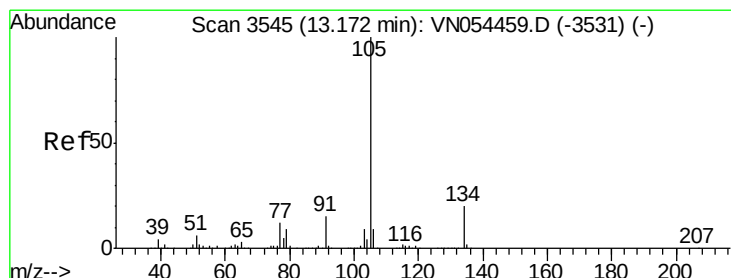
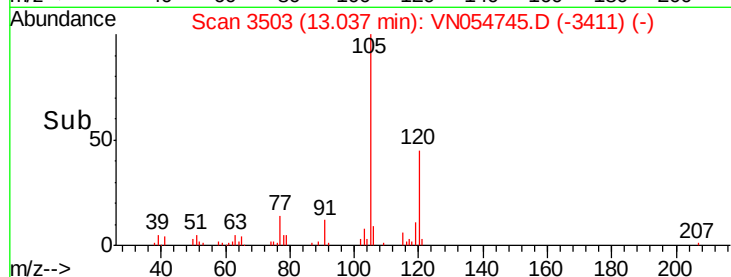
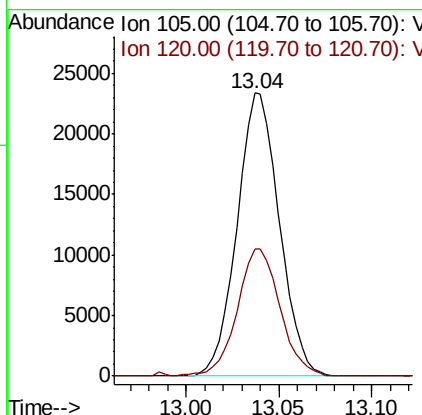
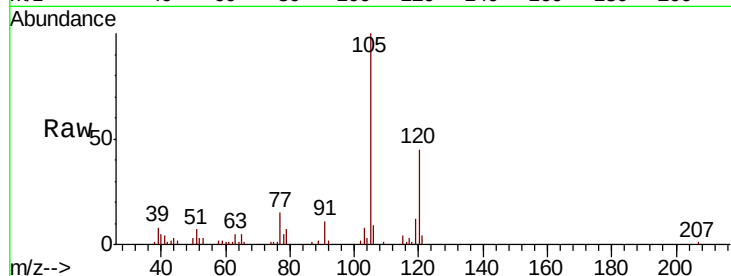




#84  
1,2,4-Trimethylbenzene  
Concen: 2.024 ug/l  
RT: 13.04 min Scan# 3503  
Delta R.T. -0.00 min  
Lab File: VN054745.D  
Acq: 28 Mar 2019 15:32

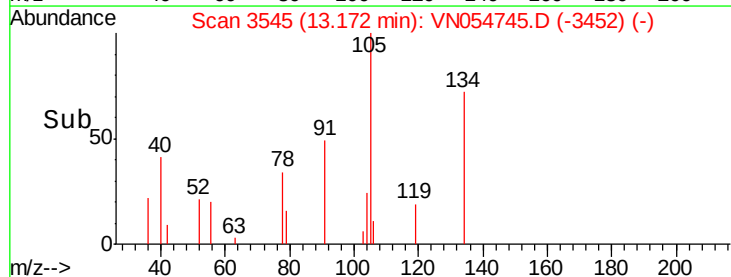
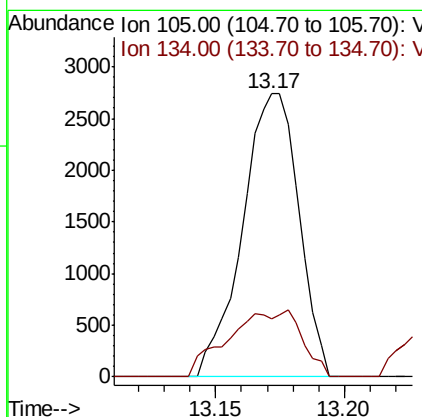
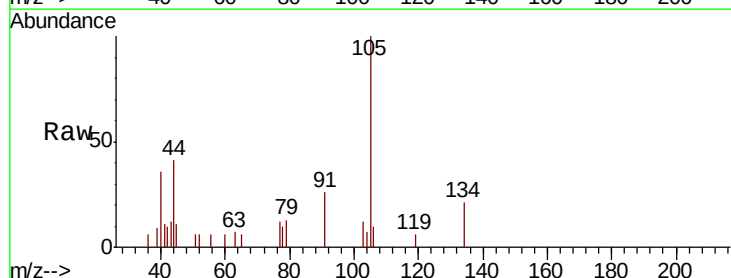
Instrument :  
MSVOA\_N  
ClientSampled :  
DR-WC-001

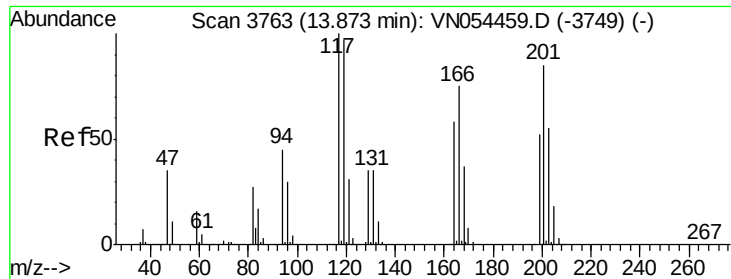
Tot Ion:105 Resp: 37083  
Ion Ratio Lower Upper  
105 100  
120 45.6 23.4 70.3



#85  
sec-Butylbenzene  
Concen: 0.206 ug/l  
RT: 13.17 min Scan# 3545  
Delta R.T. 0.00 min  
Lab File: VN054745.D  
Acq: 28 Mar 2019 15:32

Tgt Ion:105 Resp: 4184  
Ion Ratio Lower Upper  
105 100  
134 19.3 10.7 32.1





#90

Hexachloroethane

Concen: 0.295 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

Instrument :

MSVOA\_N

ClientSampleId :

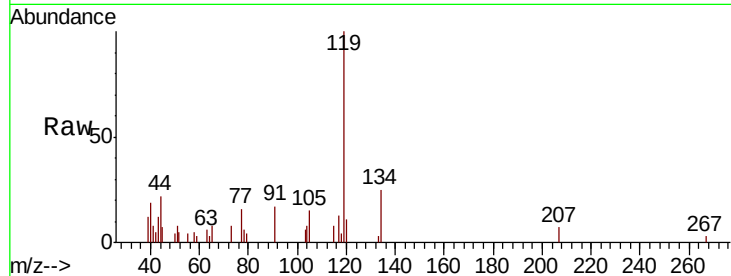
DR-WC-001

Tot Ion:117 Resp: 829

Ion Ratio Lower Upper

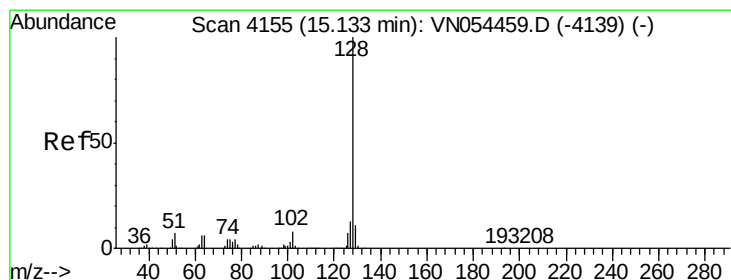
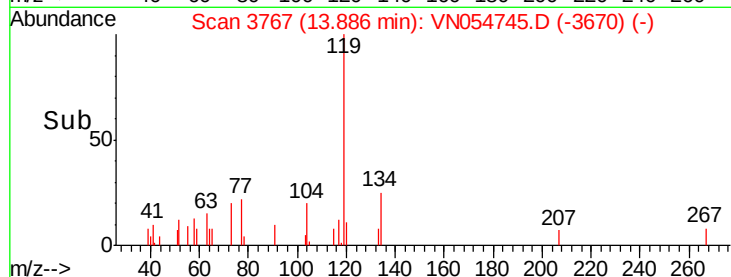
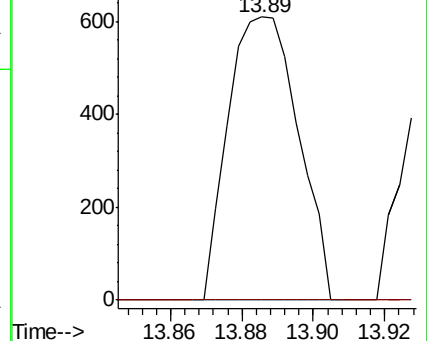
117 100

201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 2.415 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054745.D

Acq: 28 Mar 2019 15:32

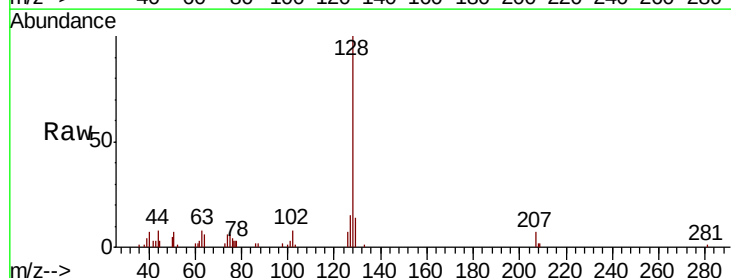
Tgt Ion:128 Resp: 24359

Ion Ratio Lower Upper

128 100

127 15.3 10.1 15.1#

129 12.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

