

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112118\  
 Data File : VN052446.D  
 Acq On : 21 Nov 2018 18:44  
 Operator : MD\SY  
 Sample : J6006-06  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 22 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 22 00:00:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N111418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 15 03:02:37 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 346337   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 575920   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 502762   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 169016   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 256570   | 52.45 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.90% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 187617   | 50.51 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.02% |      |
| 50) Toluene-d8            | 10.09  | 98  | 746909   | 51.11 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.22% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 222762   | 46.34 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.68%  |      |

## Target Compounds

|                                |       |     |         |         | Qvalue     |
|--------------------------------|-------|-----|---------|---------|------------|
| 3) Chloromethane               | 2.06  | 50  | 1728    | 0.339   | ug/l 89    |
| 11) Tert butyl alcohol         | 4.55  | 59  | 278     | 1.076   | ug/l # 80  |
| 12) 1,1-Dichloroethene         | 3.75  | 96  | 1958    | 0.549   | ug/l 96    |
| 13) Acrolein                   | 3.58  | 56  | 229     | 22.307  | ug/l # 1   |
| 14) Allyl chloride             | 4.48  | 41  | 4260964 | 582.052 | ug/l # 22  |
| 16) Acetone                    | 3.82  | 43  | 7393    | 5.489   | ug/l 95    |
| 18) Methyl Acetate             | 4.49  | 43  | 505947  | 133.333 | ug/l 98    |
| 21) trans-1,2-Dichloroethene   | 5.05  | 96  | 3778    | 0.984   | ug/l 87    |
| 28) Bromochloromethane         | 7.20  | 49  | 7077    | 1.718   | ug/l # 78  |
| 30) Chloroform                 | 7.37  | 83  | 1906    | 0.250   | ug/l 86    |
| 31) Cyclohexane                | 7.67  | 56  | 11055   | 0.435   | ug/l # 22  |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 32722   | 5.669   | ug/l # 51  |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 37508   | 7.073   | ug/l # 16  |
| 41) Methacrylonitrile          | 7.16  | 41  | 121     | 3.744   | ug/l # 100 |
| 43) Isopropyl Acetate          | 8.17  | 43  | 20874   | 2.582   | ug/l 96    |
| 45) 1,2-Dichloropropane        | 9.27  | 63  | 1114    | 0.238   | ug/l # 44  |
| 48) Methyl methacrylate        | 9.18  | 41  | 6368    | 1.552   | ug/l # 16  |
| 49) 1,4-Dioxane                | 9.27  | 88  | 68      | 2.160   | ug/l # 1   |
| 51) 4-Methyl-2-Pentanone       | 10.03 | 43  | 5058    | 1.243   | ug/l # 41  |
| 52) Toluene                    | 10.16 | 92  | 4425    | 0.449   | ug/l 100   |
| 54) cis-1,3-Dichloropropene    | 9.91  | 75  | 31180   | 4.878   | ug/l # 75  |
| 57) 1,3-Dichloropropane        | 10.76 | 76  | 5452    | 0.861   | ug/l # 43  |
| 59) 2-Hexanone                 | 10.76 | 43  | 103077  | 36.827  | ug/l # 56  |
| 67) Ethyl Benzene              | 11.51 | 91  | 4385    | 0.238   | ug/l 92    |
| 68) m/p-Xylenes                | 11.61 | 106 | 6531    | 0.969   | ug/l 81    |
| 69) o-Xylene                   | 11.94 | 106 | 4717    | 0.730   | ug/l 99    |
| 71) Bromoform                  | 12.40 | 173 | 2825    | 1.320   | ug/l # 1   |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 131345  | 45.799  | ug/l # 100 |
| 78) n-propylbenzene            | 12.59 | 91  | 6036    | 0.380   | ug/l 98    |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105 | 15275   | 1.414   | ug/l 96    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 131345  | 148.542 | ug/l # 5   |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105 | 41237   | 3.801   | ug/l 93    |
| 86) p-Isopropyltoluene         | 13.29 | 119 | 2407    | 0.219   | ug/l 92    |
| 89) n-Butylbenzene             | 13.61 | 91  | 2467    | 0.261   | ug/l # 82  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112118\  
Data File : VN052446.D  
Acq On : 21 Nov 2018 18:44  
Operator : MD\SY  
Sample : J6006-06  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 22 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Nov 22 00:00:09 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N111418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 15 03:02:37 2018  
Response via : Initial Calibration

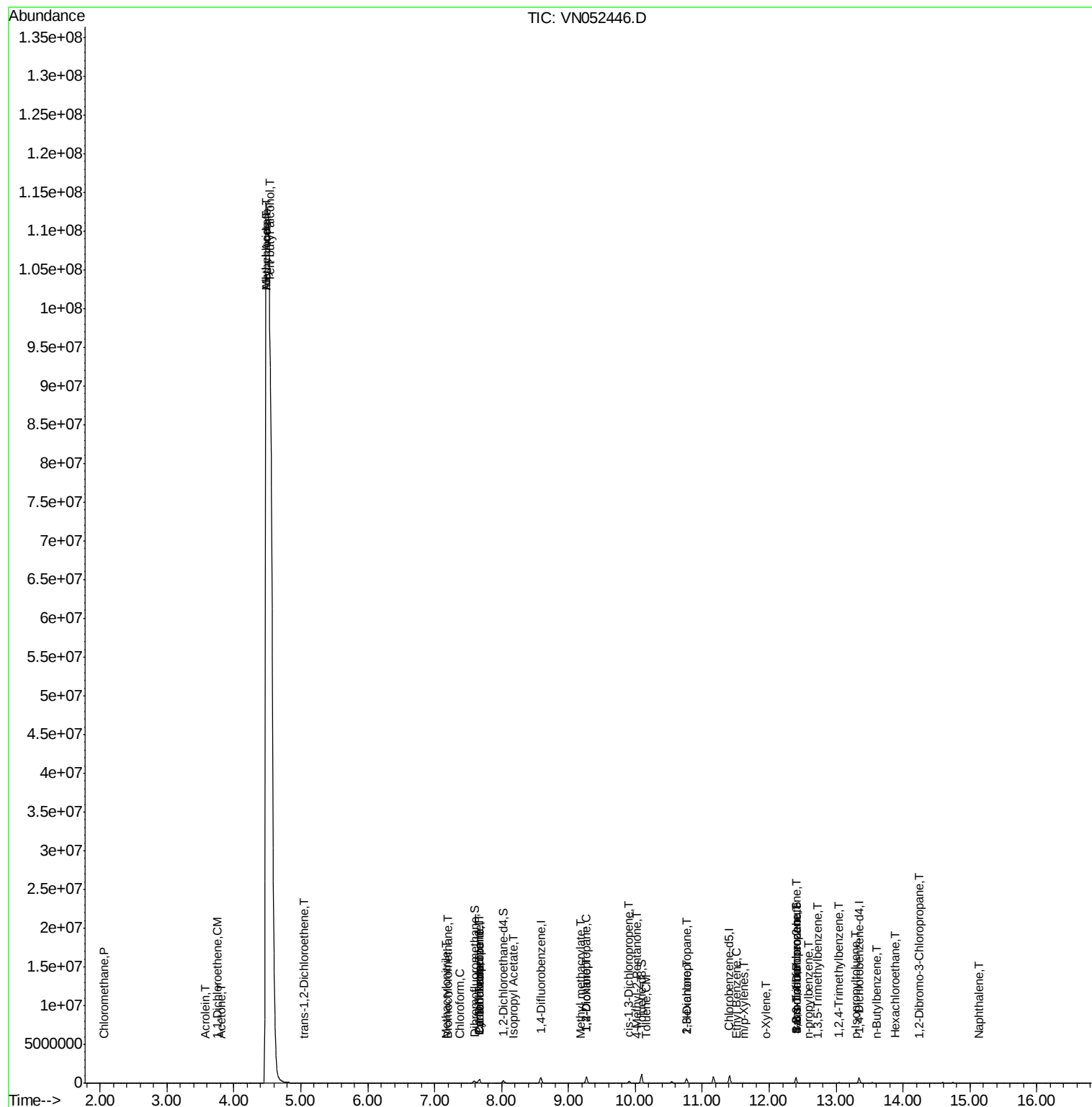
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 90) Hexachloroethane           | 13.90 | 117  | 1979     | 1.015 | ug/l # | 14       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.25 | 75   | 208      | 0.429 | ug/l # | 3        |
| 95) Naphthalene                | 15.13 | 128  | 8864     | 4.009 | ug/l # | 93       |

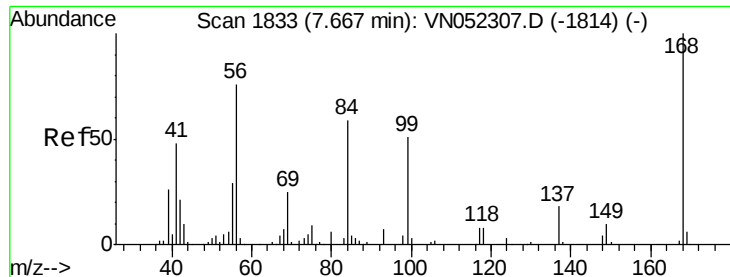
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112118\  
Data File : VN052446.D  
Acq On : 21 Nov 2018 18:44  
Operator : MD\SY  
Sample : J6006-06  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 22 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Nov 22 00:00:09 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N111418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 15 03:02:37 2018  
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: VN052446.D

Acq: 21 Nov 2018 18:44

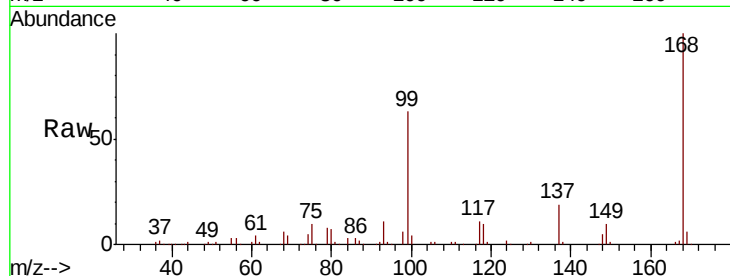
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:168 Resp: 346337

Ion Ratio Lower Upper

168 100

99 62.7 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052307.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052307.D (-1814) (-)

7.67

150000

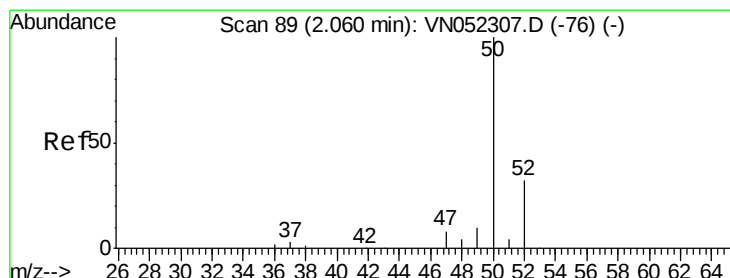
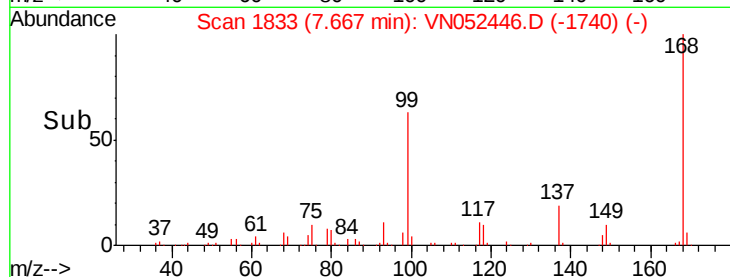
100000

50000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: 0.339 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052446.D

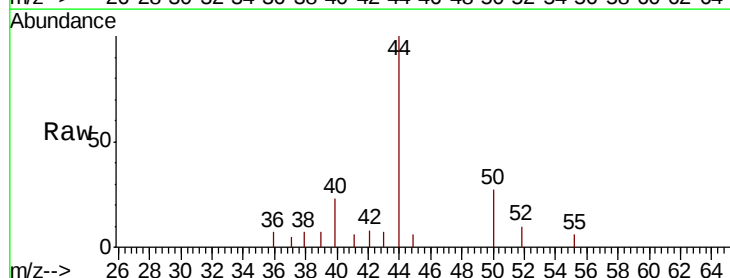
Acq: 21 Nov 2018 18:44

Tgt Ion: 50 Resp: 1728

Ion Ratio Lower Upper

50 100

52 37.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN052307.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN052307.D (-76) (-)

2.06

800

600

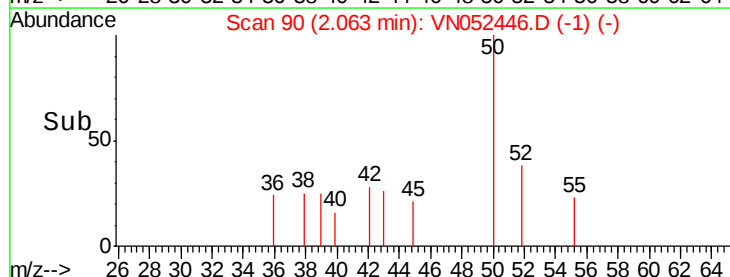
400

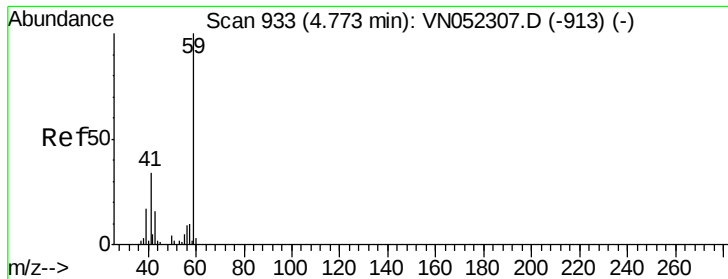
200

0

Time-->

2.05 2.10

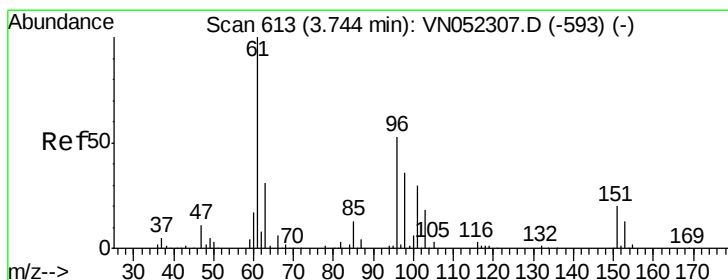
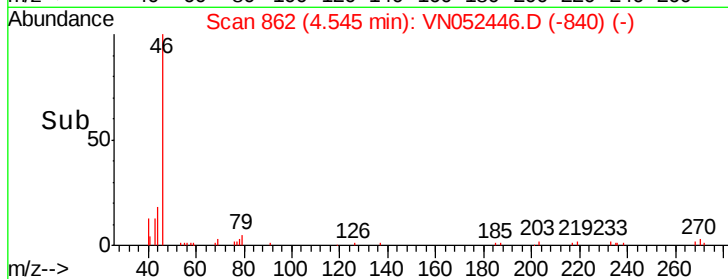
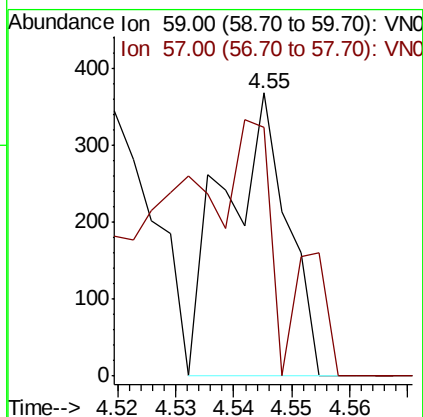
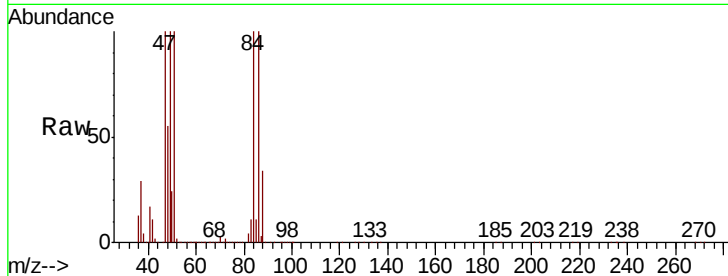




#11  
Tert butyl alcohol  
Concen: 1.076 ug/l  
RT: 4.55 min Scan# 862  
Delta R.T. -0.23 min  
Lab File: VN052446.D  
Acq: 21 Nov 2018 18:44

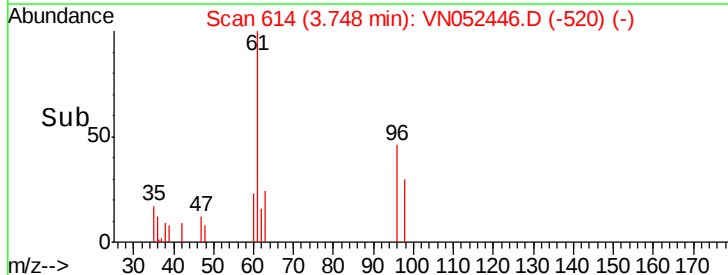
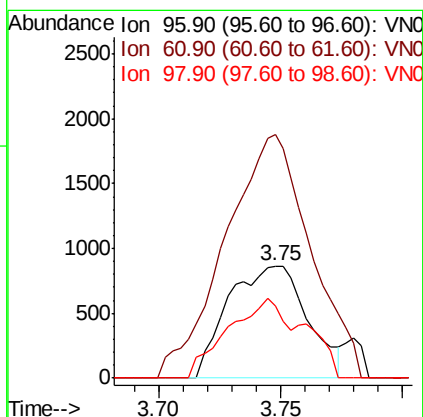
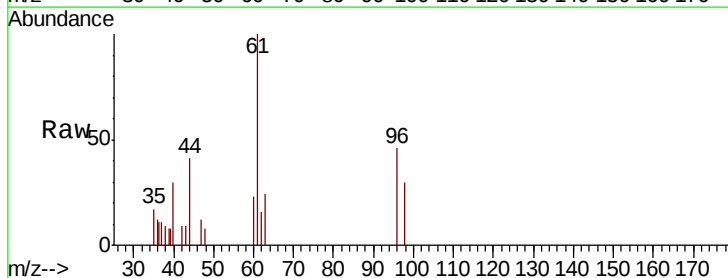
Instrument :  
MSVOA\_N  
ClientSampled :

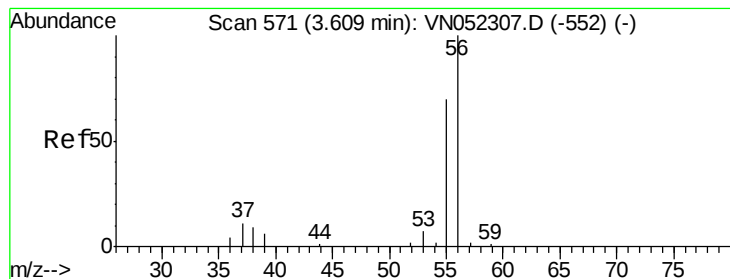
Tot Ion: 59 Resp: 278  
Ion Ratio Lower Upper  
59 100  
57 18.0 8.5 12.7#



#12  
1,1-Dichloroethene  
Concen: 0.549 ug/l  
RT: 3.75 min Scan# 614  
Delta R.T. 0.00 min  
Lab File: VN052446.D  
Acq: 21 Nov 2018 18:44

Tgt Ion: 96 Resp: 1958  
Ion Ratio Lower Upper  
96 100  
61 181.9 149.6 224.4  
98 64.3 54.2 81.2





#13

Acrolein

Concen: 22.307 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.03 min

Lab File: VN052446.D

Acq: 21 Nov 2018 18:44

Instrument :

MSVOA\_N

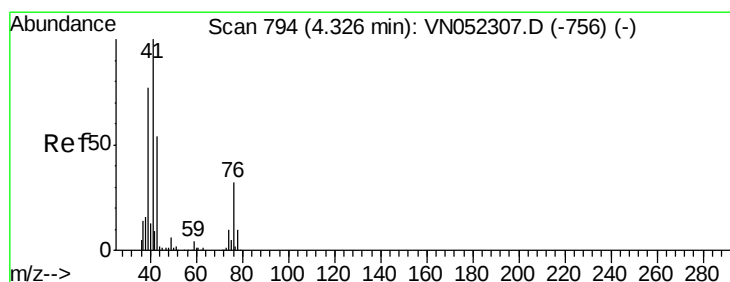
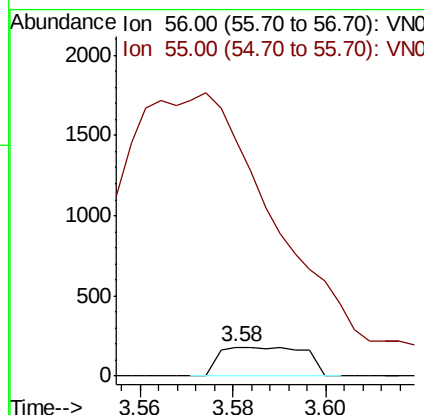
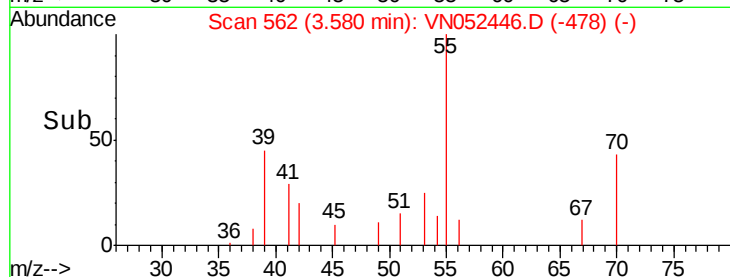
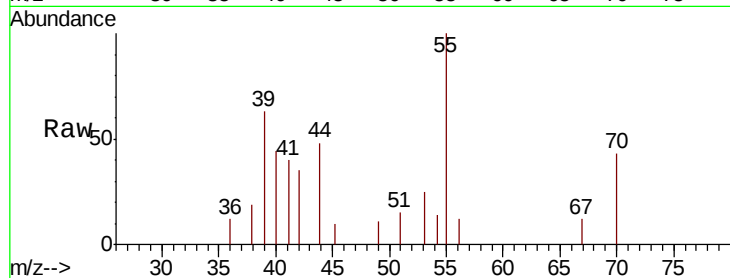
ClientSampled :

Tot Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

55 2058.5 57.6 86.4#



#14

Allyl chloride

Concen: 582.052 ug/l

RT: 4.48 min Scan# 842

Delta R.T. 0.15 min

Lab File: VN052446.D

Acq: 21 Nov 2018 18:44

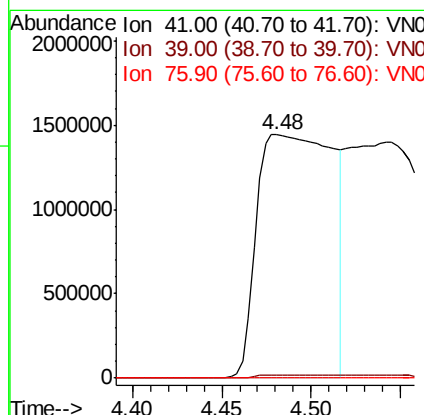
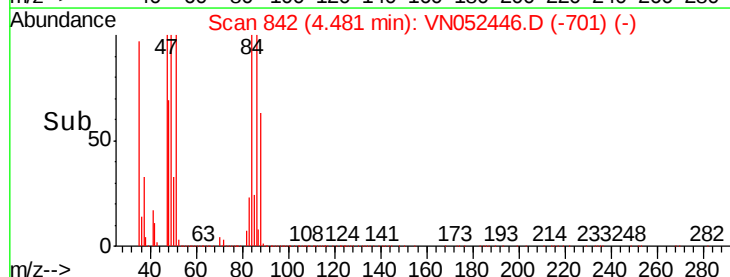
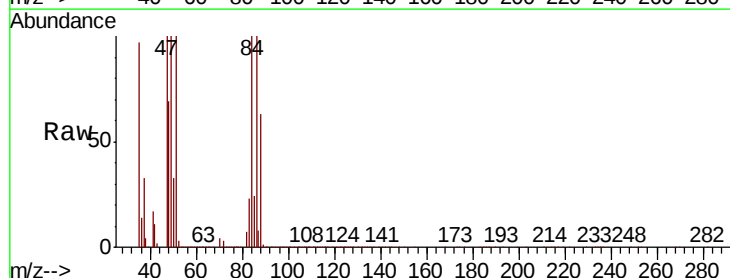
Tgt Ion: 41 Resp: 4260964

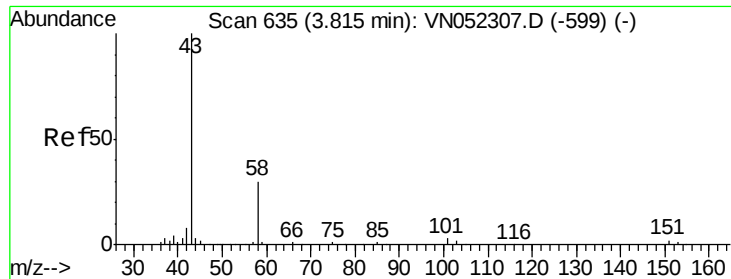
Ion Ratio Lower Upper

41 100

39 0.6 59.1 88.7#

76 0.0 24.1 36.1#





#16

Acetone

Concen: 5.489 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052446.D

Acq: 21 Nov 2018 18:44

Instrument :

MSVOA\_N

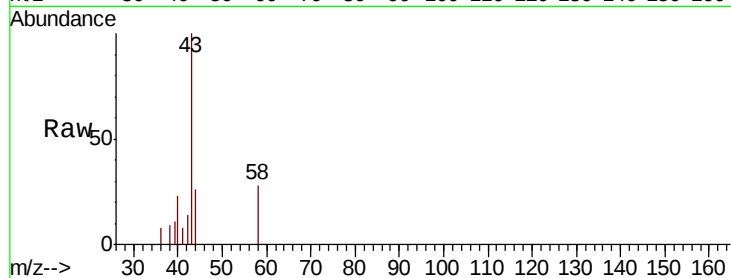
ClientSampled :

Tot Ion: 43 Resp: 7393

Ion Ratio Lower Upper

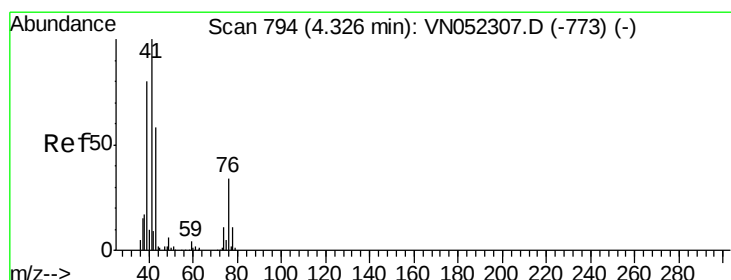
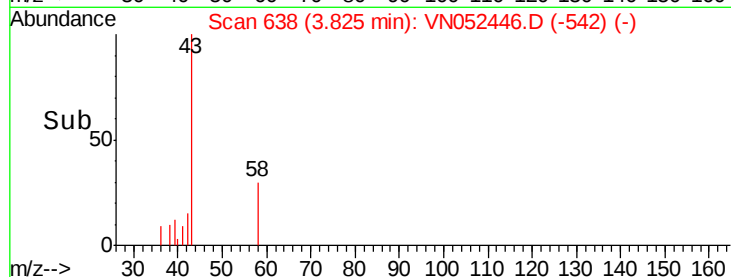
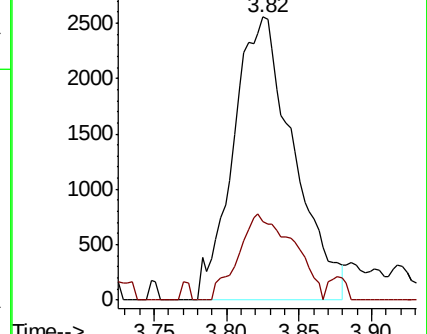
43 100

58 27.6 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 133.333 ug/l

RT: 4.49 min Scan# 846

Delta R.T. 0.17 min

Lab File: VN052446.D

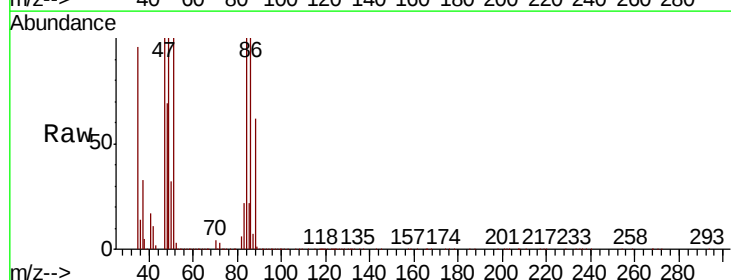
Acq: 21 Nov 2018 18:44

Tgt Ion: 43 Resp: 505947

Ion Ratio Lower Upper

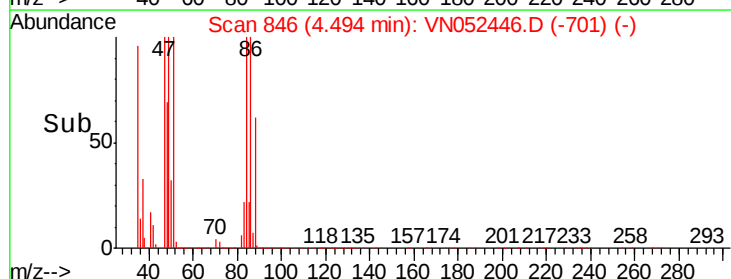
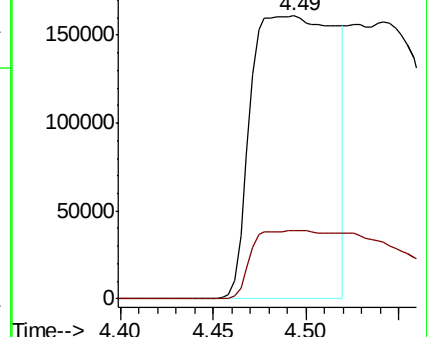
43 100

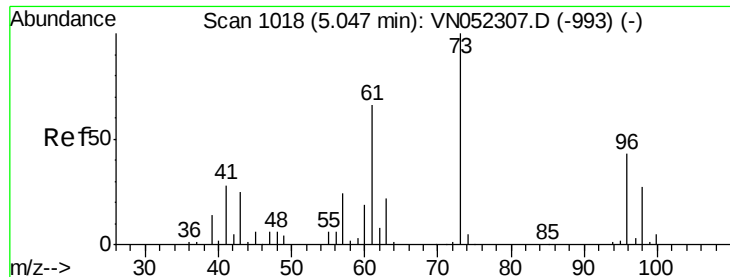
74 21.0 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

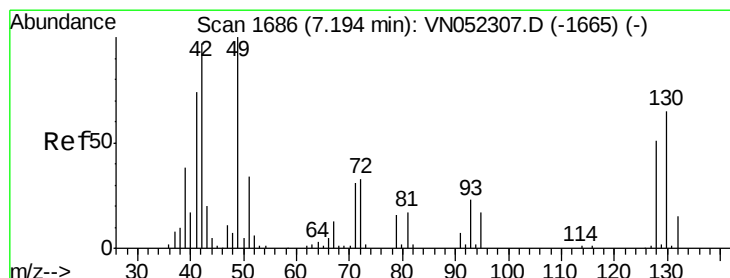
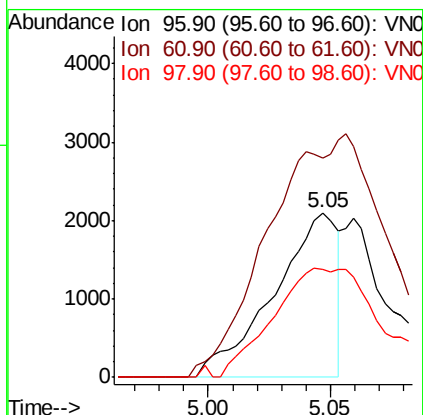
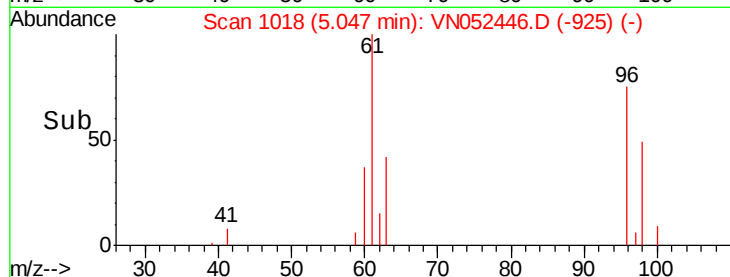
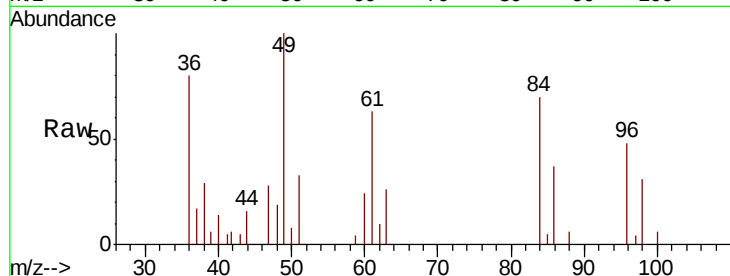




#21  
trans-1,2-Dichloroethene  
Concen: 0.984 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN052446.D  
Acq: 21 Nov 2018 18:44

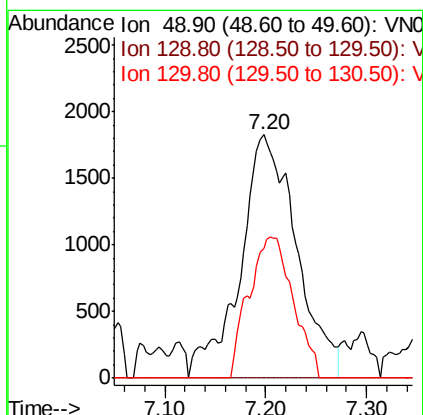
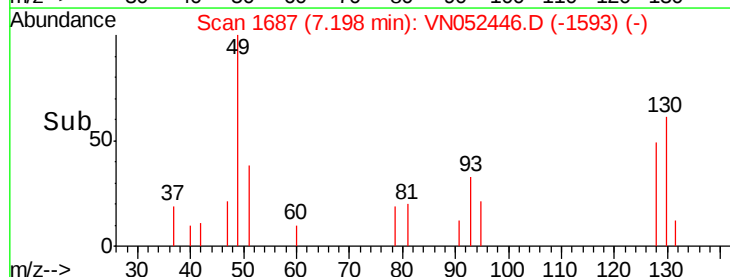
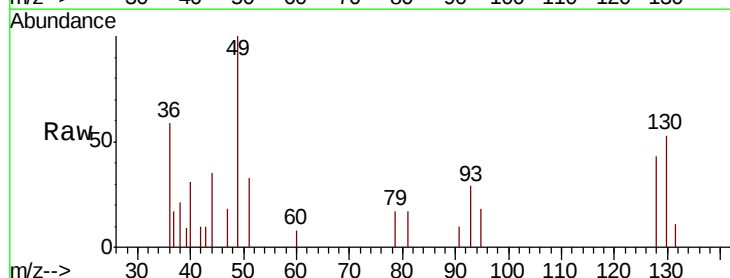
Instrument :  
MSVOA\_N  
ClientSampled :

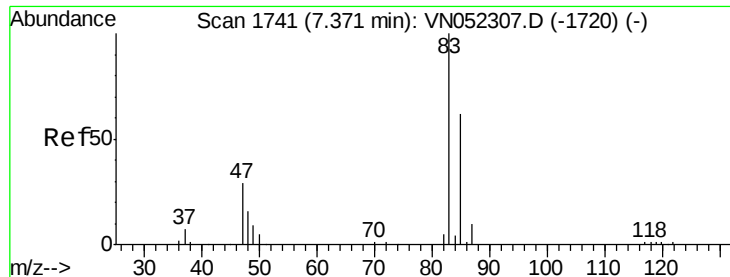
Tot Ion: 96 Resp: 3778  
Ion Ratio Lower Upper  
96 100  
61 132.8 123.6 185.4  
98 65.3 50.7 76.1



#28  
Bromochloromethane  
Concen: 1.718 ug/l  
RT: 7.20 min Scan# 1687  
Delta R.T. 0.00 min  
Lab File: VN052446.D  
Acq: 21 Nov 2018 18:44

Tgt Ion: 49 Resp: 7077  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 3.0  
130 45.5 50.4 75.6#

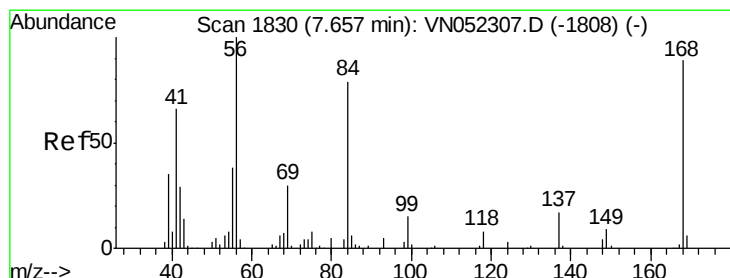
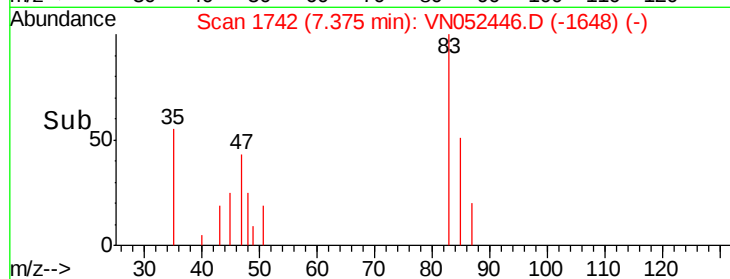
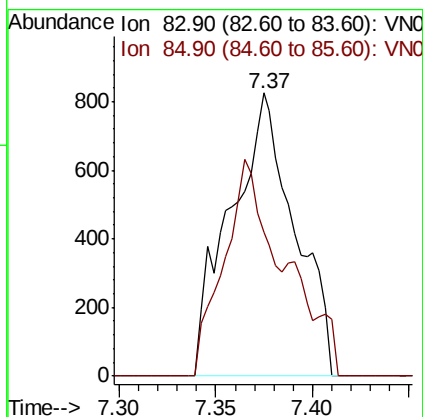
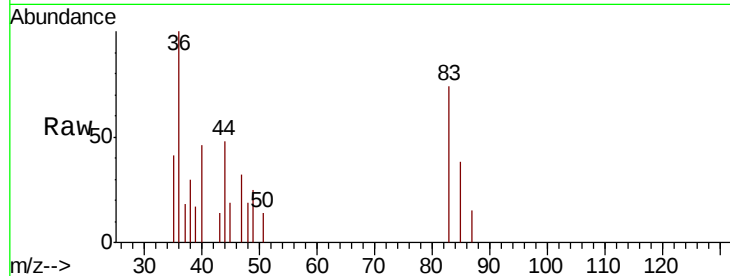




#30  
Chloroform  
Concen: 0.250 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN052446.D  
Acq: 21 Nov 2018 18:44

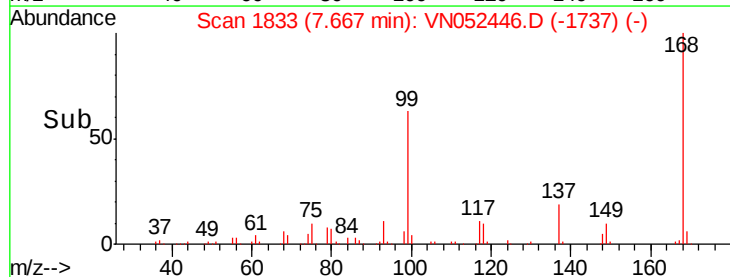
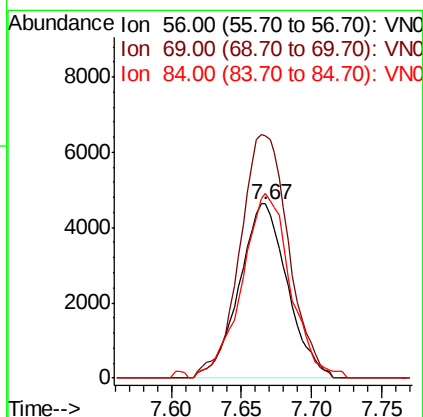
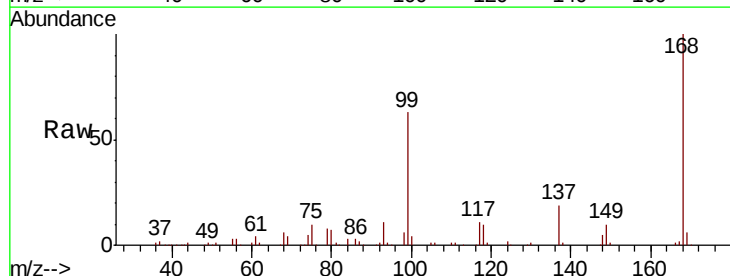
Instrument :  
MSVOA\_N  
ClientSampled :

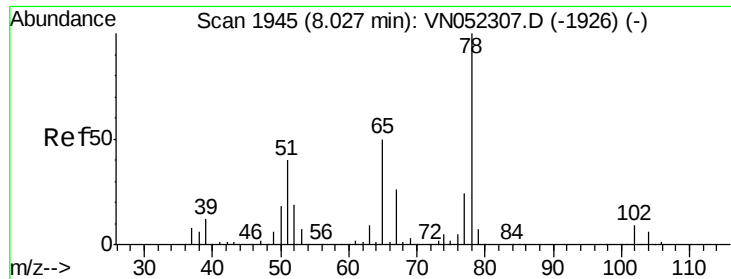
Tot Ion: 83 Resp: 1906  
Ion Ratio Lower Upper  
83 100  
85 51.0 49.4 74.2



#31  
Cyclohexane  
Concen: 0.435 ug/l  
RT: 7.67 min Scan# 1833  
Delta R.T. 0.01 min  
Lab File: VN052446.D  
Acq: 21 Nov 2018 18:44

Tgt Ion: 56 Resp: 11055  
Ion Ratio Lower Upper  
56 100  
69 138.8 23.8 35.8#  
84 106.2 63.0 94.6#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052446.D

Acq: 21 Nov 2018 18:44

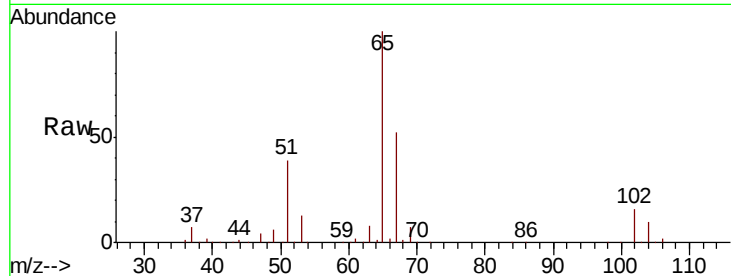
Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 65 Resp: 256570

Ion Ratio Lower Upper

65 100

67 50.8 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN052307.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN052307.D (-1926) (-)

8.03

120000

100000

80000

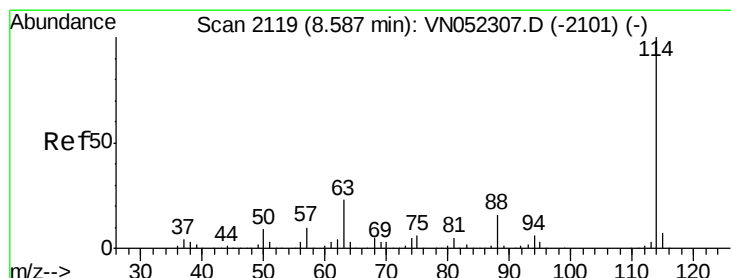
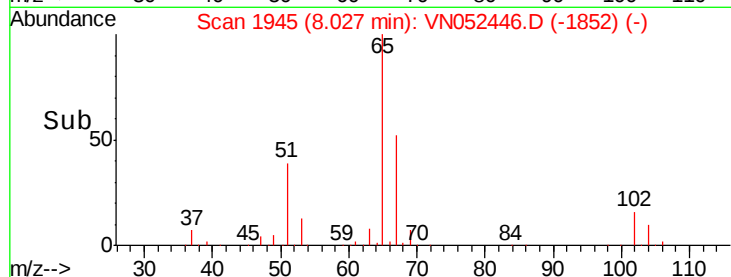
60000

40000

20000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052446.D

Acq: 21 Nov 2018 18:44

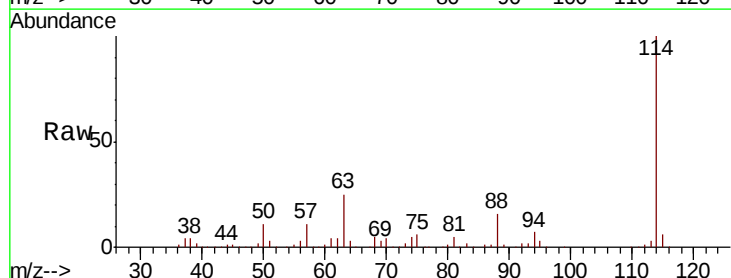
Tgt Ion: 114 Resp: 575920

Ion Ratio Lower Upper

114 100

63 25.1 0.0 45.4

88 15.8 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN052307.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN052307.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN052307.D (-2101) (-)

8.59

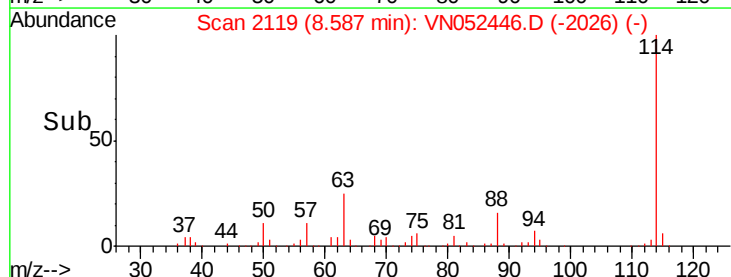
300000

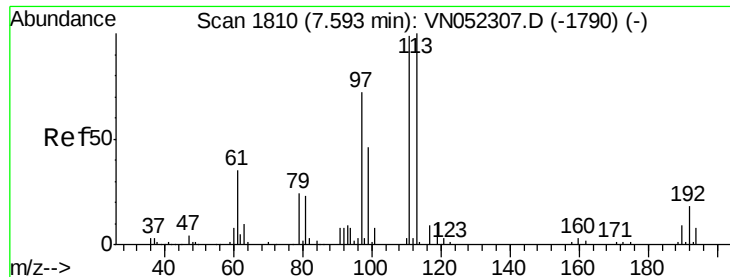
200000

100000

0

Time--> 8.50 8.60 8.70

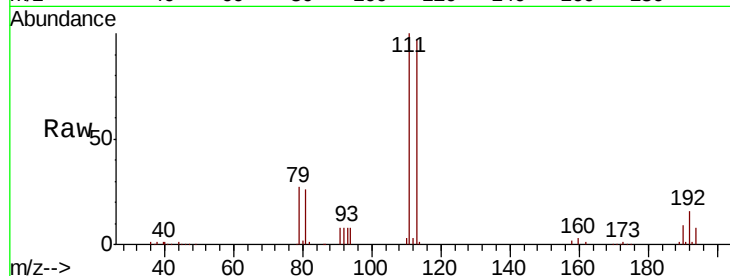




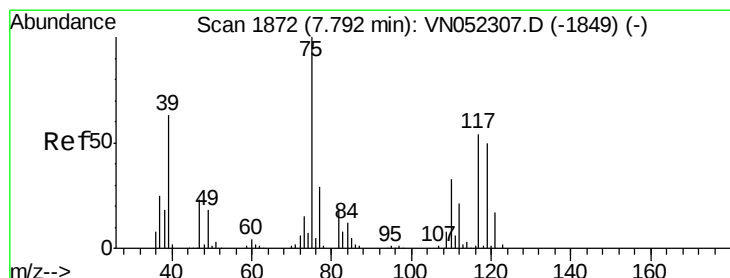
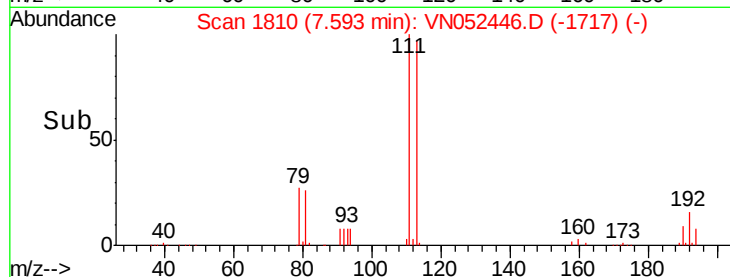
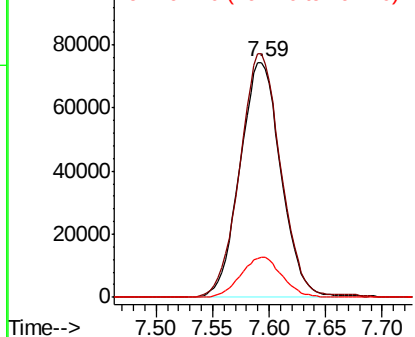
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN052446.D  
 Acq: 21 Nov 2018 18:44

Instrument :  
 MSVOA\_N  
 ClientSampled :

Tot Ion:113 Resp: 187617  
 Ion Ratio Lower Upper  
 113 100  
 111 104.2 81.0 121.6  
 192 17.3 13.8 20.6

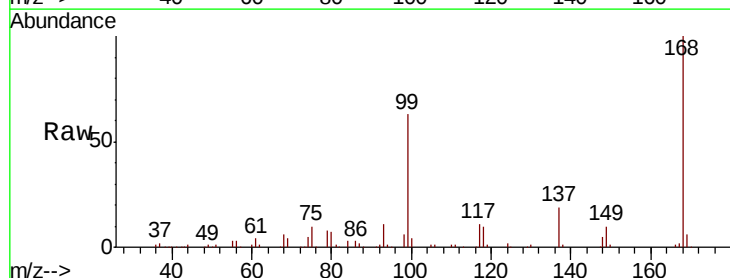


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

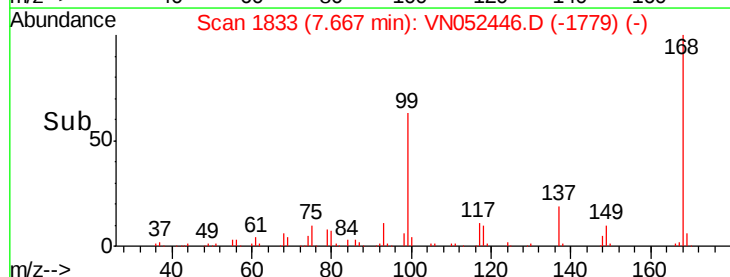
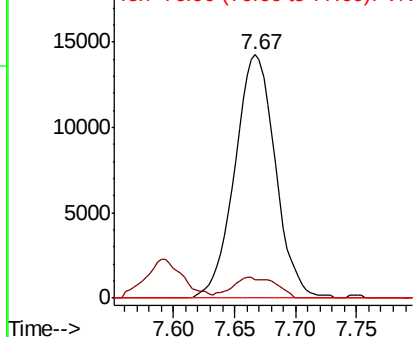


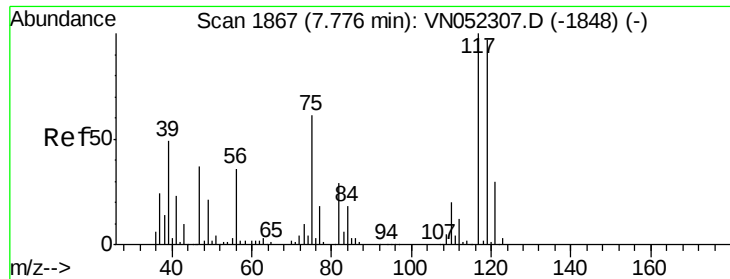
#36  
 1,1-Dichloropropene  
 Concen: 5.669 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.13 min  
 Lab File: VN052446.D  
 Acq: 21 Nov 2018 18:44

Tgt Ion: 75 Resp: 32722  
 Ion Ratio Lower Upper  
 75 100  
 110 9.1 16.5 49.5#  
 77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VNO  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 7.073 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052446.D

Acq: 21 Nov 2018 18:44

Instrument :

MSVOA\_N

ClientSampled :

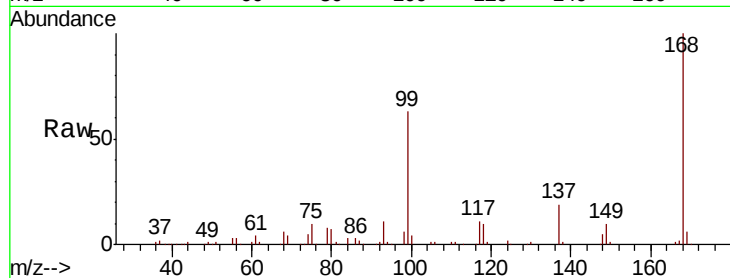
Tot Ion:117 Resp: 37508

Ion Ratio Lower Upper

117 100

119 5.2 77.4 116.0#

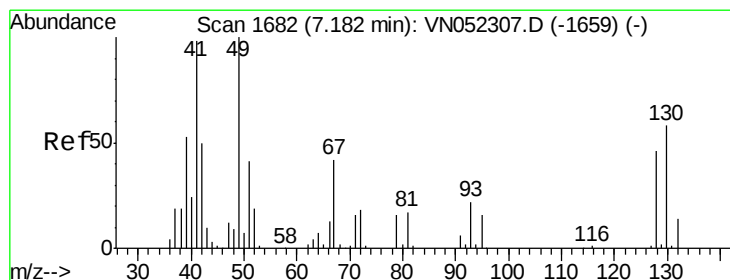
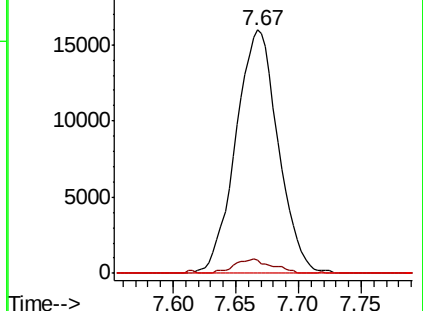
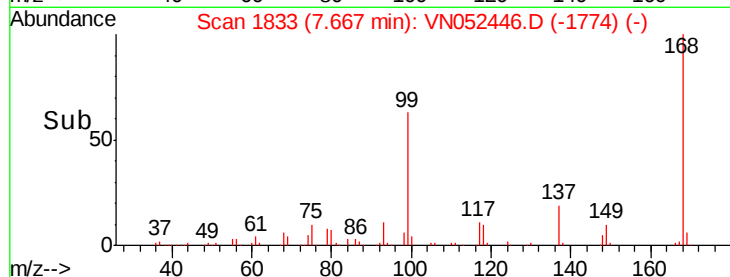
121 0.0 24.0 36.0#



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



#41

Methacrylonitrile

Concen: 3.744 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. -0.02 min

Lab File: VN052446.D

Acq: 21 Nov 2018 18:44

Tgt Ion: 41 Resp: 121

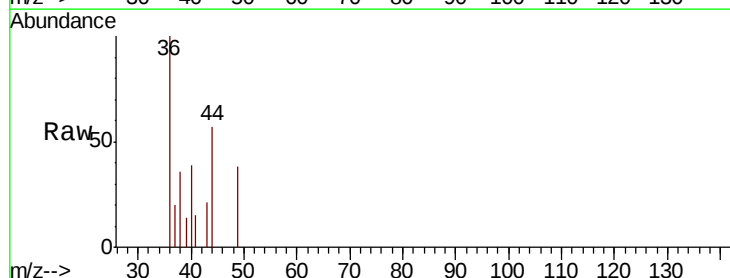
Ion Ratio Lower Upper

41 100

39 155.4 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

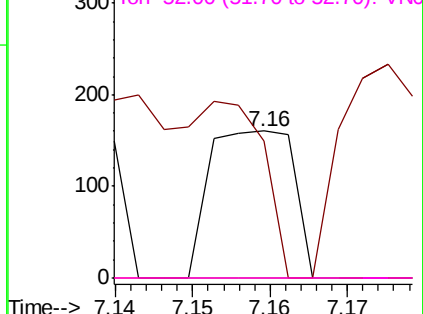
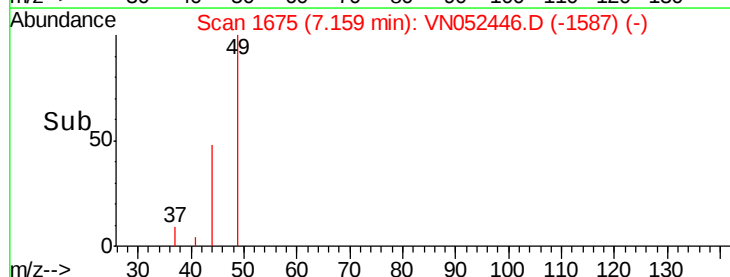


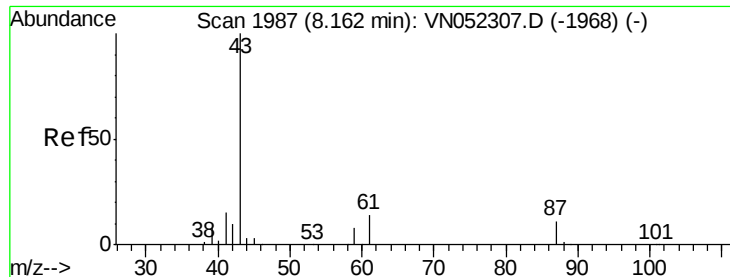
Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC





#43

Isopropyl Acetate

Concen: 2.582 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052446.D

Acq: 21 Nov 2018 18:44

Instrument :

MSVOA\_N

ClientSampled :

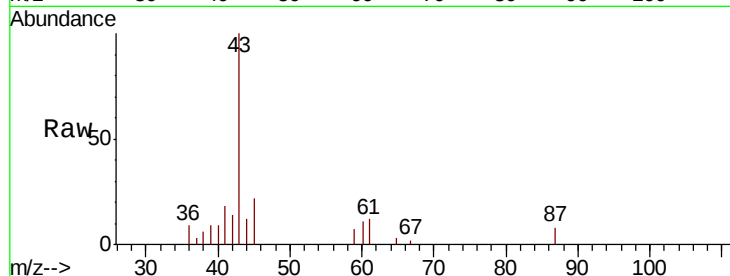
Tot Ion: 43 Resp: 20874

Ion Ratio Lower Upper

43 100

61 13.6 12.0 18.0

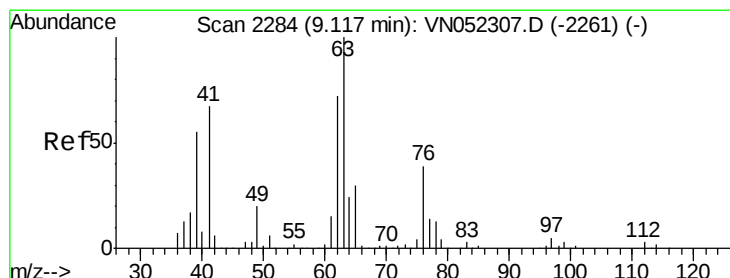
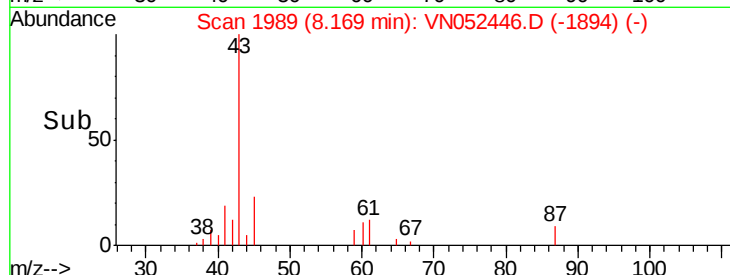
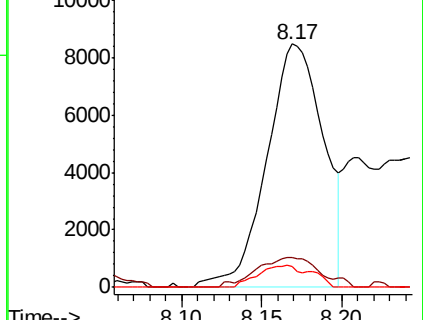
87 8.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052307.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052307.D (-1968) (-)



#45

1,2-Dichloropropane

Concen: 0.238 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN052446.D

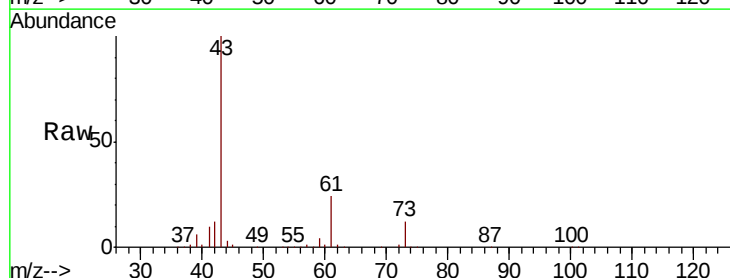
Acq: 21 Nov 2018 18:44

Tgt Ion: 63 Resp: 1114

Ion Ratio Lower Upper

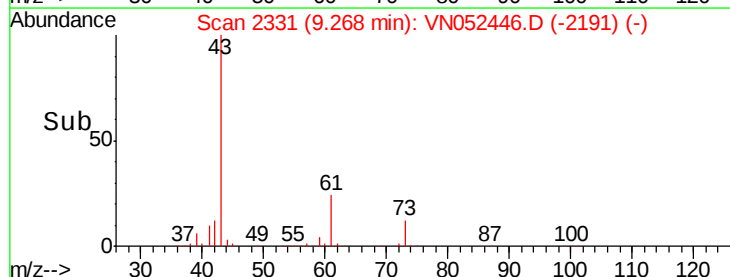
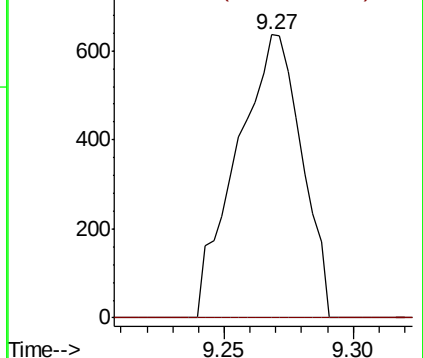
63 100

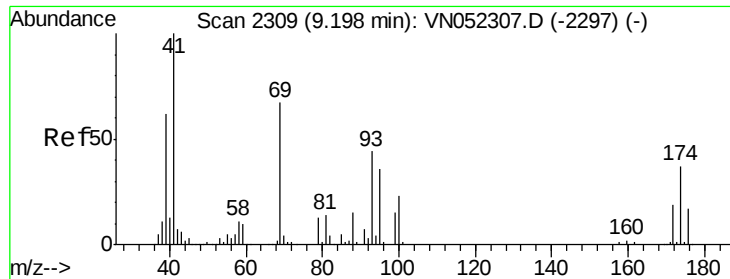
65 0.0 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VN052307.D (-2261) (-)

Ion 64.90 (64.60 to 65.60): VN052307.D (-2261) (-)

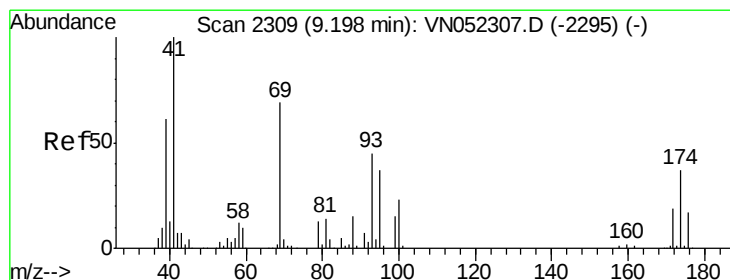
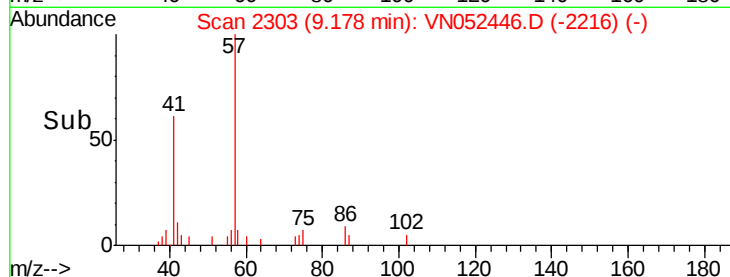
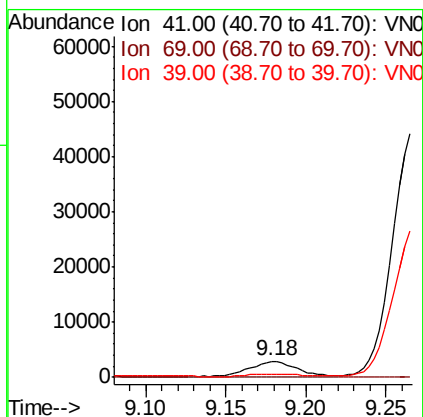
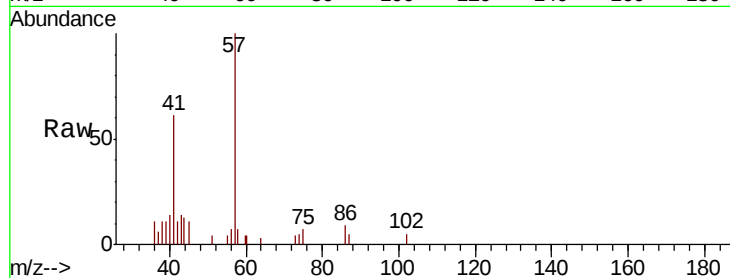




#48  
Methyl methacrylate  
Concen: 1.552 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. -0.02 min  
Lab File: VN052446.D  
Acq: 21 Nov 2018 18:44

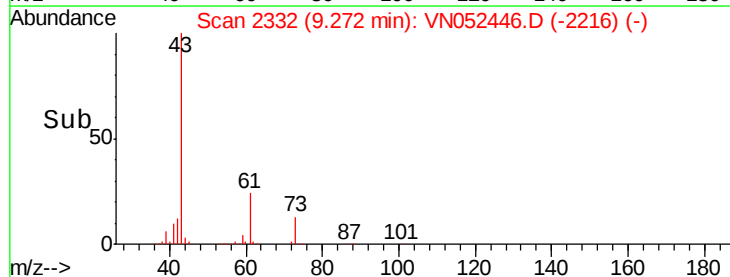
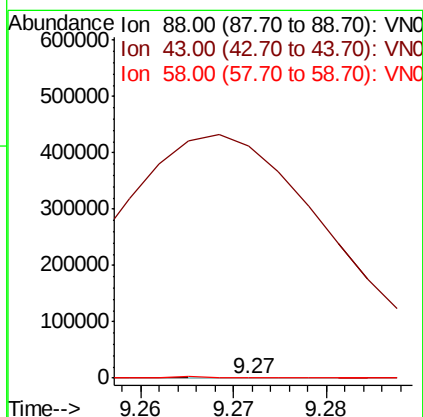
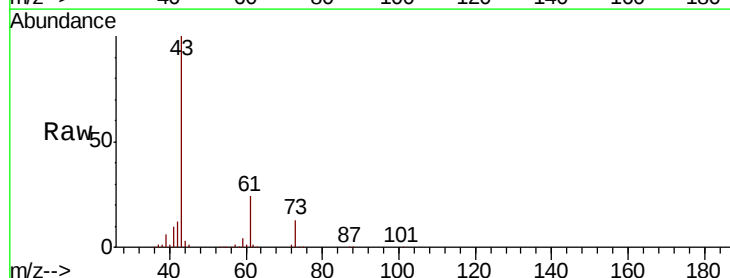
Instrument :  
MSVOA\_N  
ClientSampled :

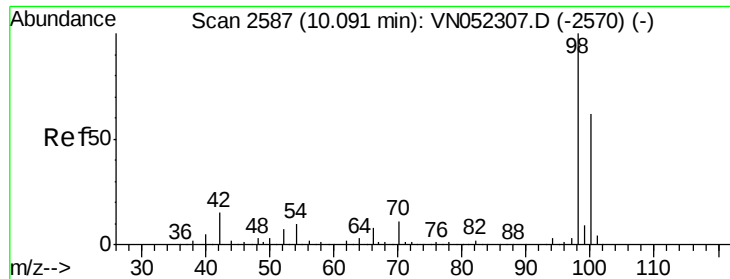
Tot Ion: 41 Resp: 6368  
Ion Ratio Lower Upper  
41 100  
69 0.0 57.1 85.7#  
39 0.0 52.5 78.7#



#49  
1,4-Dioxane  
Concen: 2.160 ug/l  
RT: 9.27 min Scan# 2332  
Delta R.T. 0.07 min  
Lab File: VN052446.D  
Acq: 21 Nov 2018 18:44

Tgt Ion: 88 Resp: 68  
Ion Ratio Lower Upper  
88 100  
43 1173017.6 33.3 49.9#  
58 5457.4 59.2 88.8#





#50

Toluene-d8

Concen: 2.160 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052446.D

Acq: 21 Nov 2018 18:44

Instrument :

MSVOA\_N

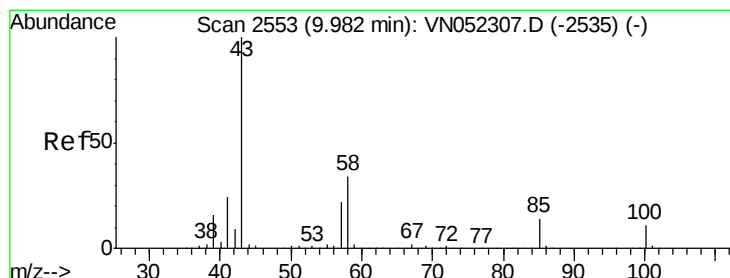
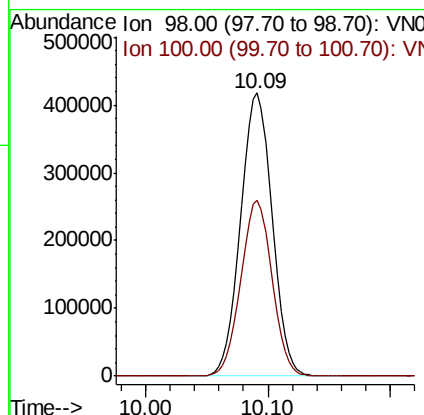
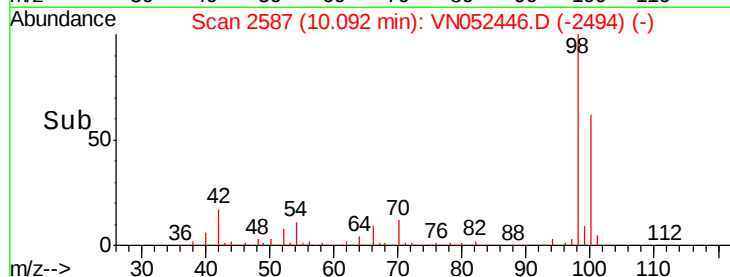
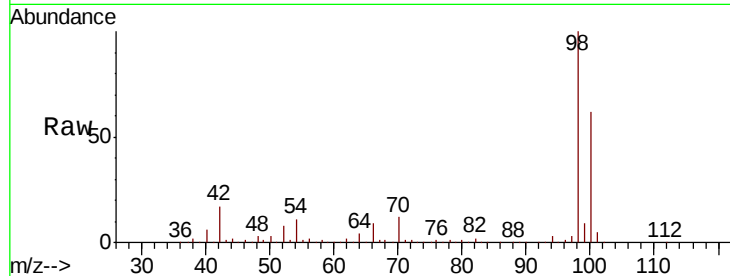
ClientSampleId :

Tot Ion: 98 Resp: 746909

Ion Ratio Lower Upper

98 100

100 61.4 49.5 74.3



#51

4-Methyl-2-Pentanone

Concen: 1.243 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.05 min

Lab File: VN052446.D

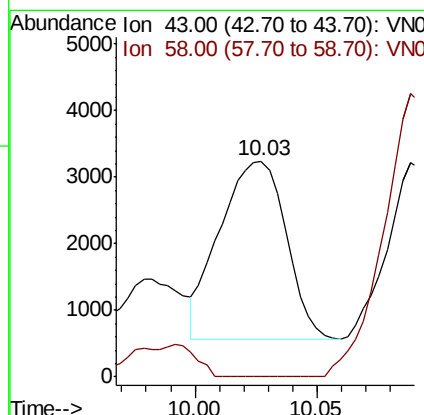
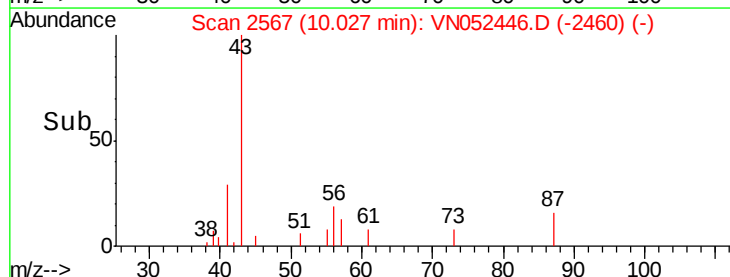
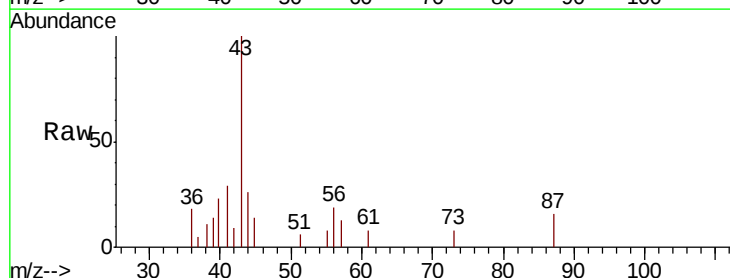
Acq: 21 Nov 2018 18:44

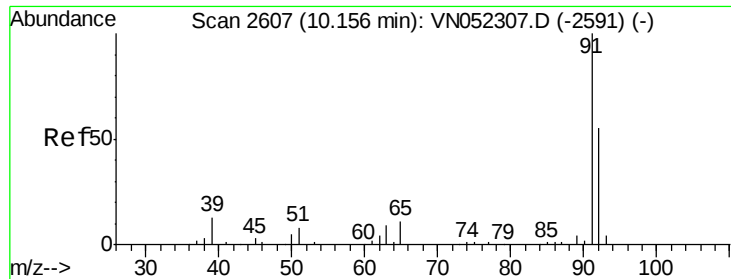
Tgt Ion: 43 Resp: 5058

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.6#





#52

Toluene

Concen: 0.449 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052446.D

Acq: 21 Nov 2018 18:44

Instrument :

MSVOA\_N

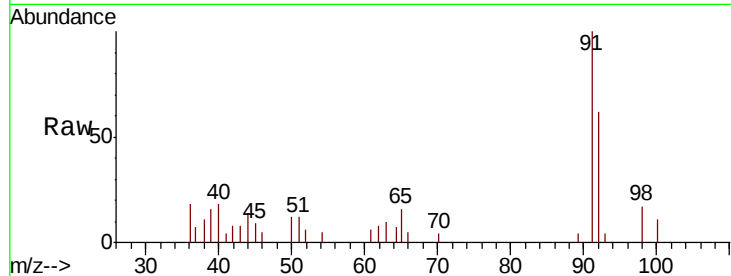
ClientSampled :

Tot Ion: 92 Resp: 4425

Ion Ratio Lower Upper

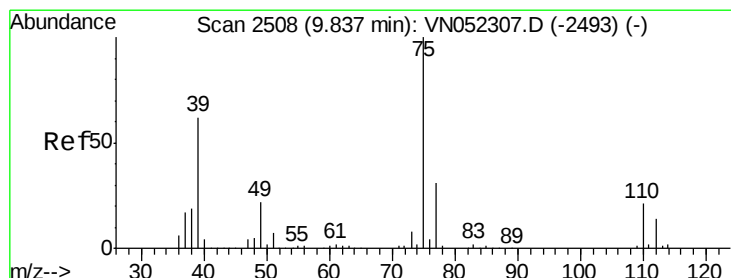
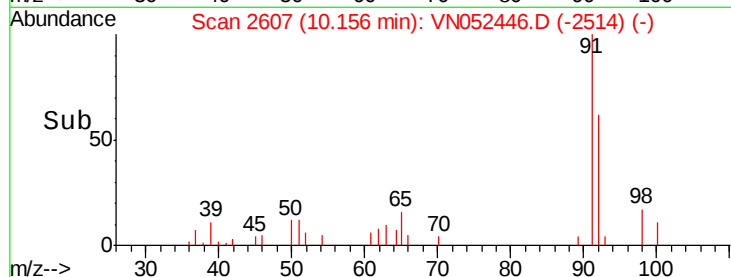
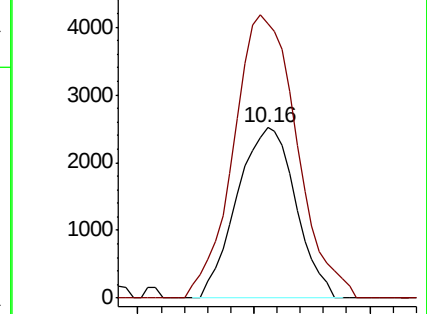
92 100

91 178.9 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.878 ug/l

RT: 9.91 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052446.D

Acq: 21 Nov 2018 18:44

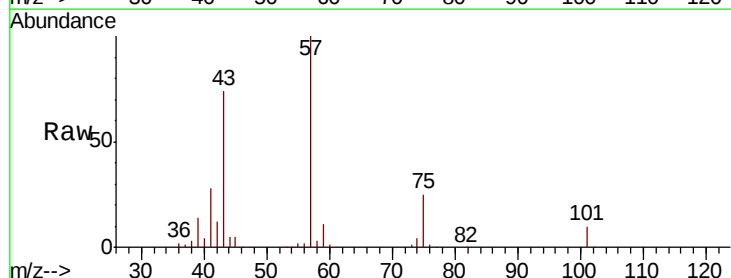
Tgt Ion: 75 Resp: 31180

Ion Ratio Lower Upper

75 100

77 1.0 24.6 36.8#

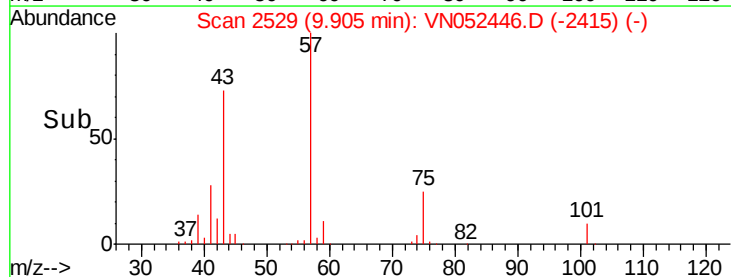
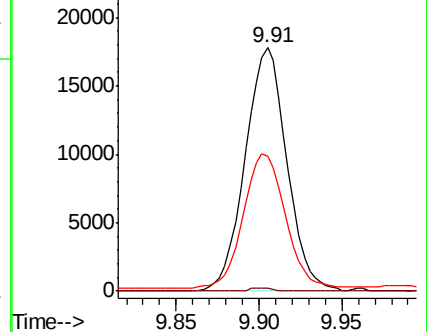
39 54.2 49.9 74.9

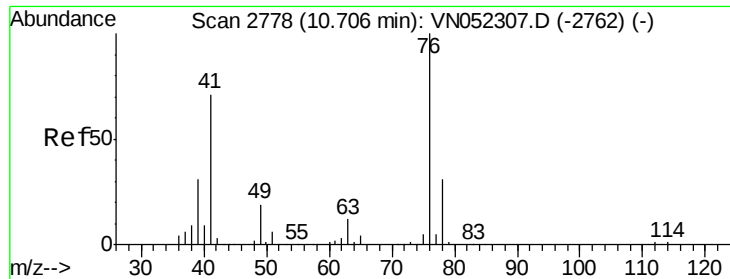


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.861 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN052446.D

Acq: 21 Nov 2018 18:44

Instrument :

MSVOA\_N

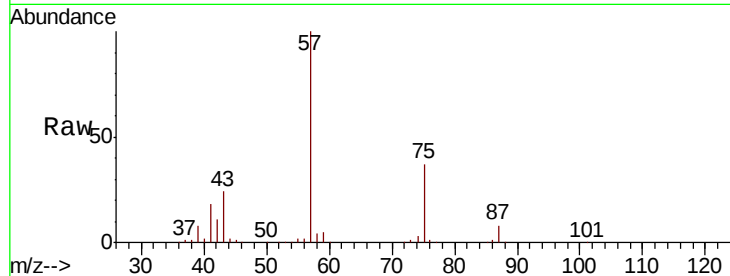
ClientSampled :

Tot Ion: 76 Resp: 5452

Ion Ratio Lower Upper

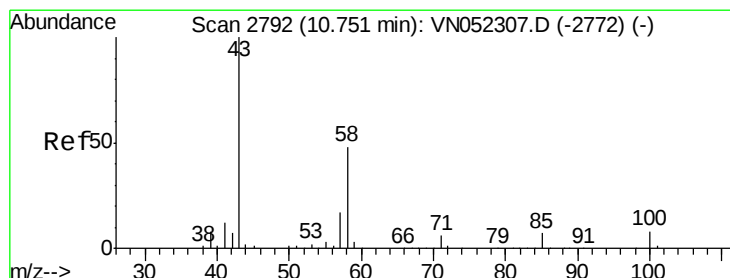
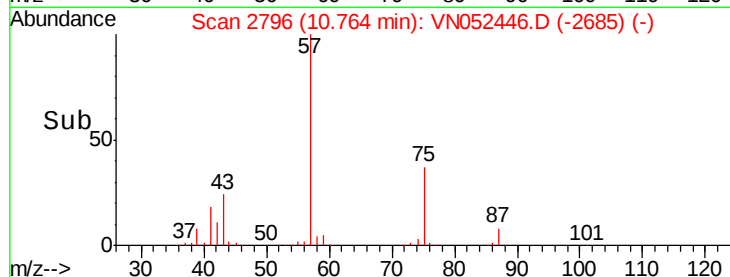
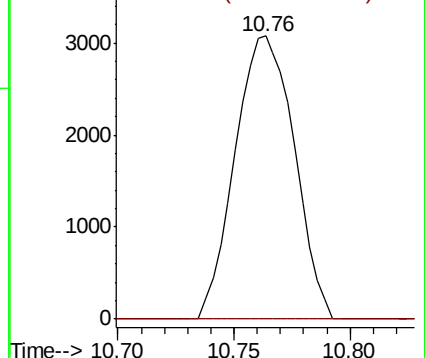
76 100

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: 36.827 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052446.D

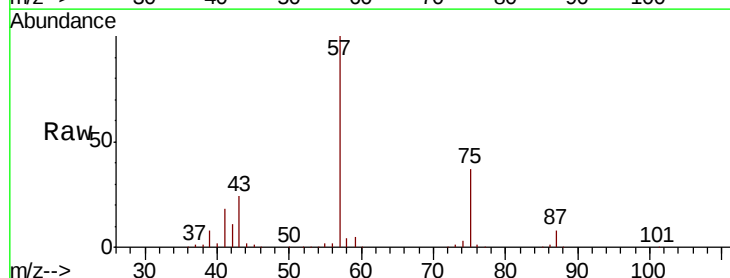
Acq: 21 Nov 2018 18:44

Tgt Ion: 43 Resp: 103077

Ion Ratio Lower Upper

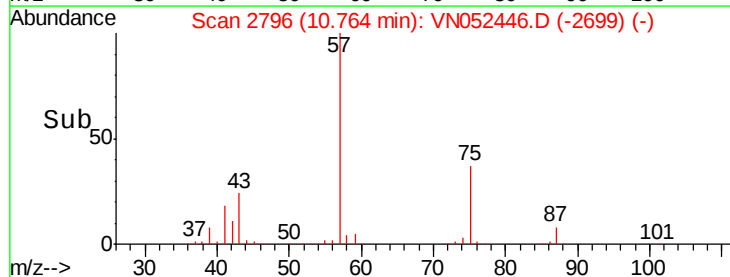
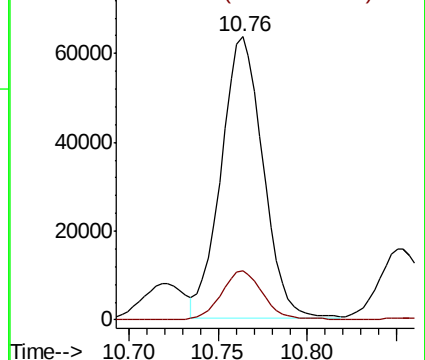
43 100

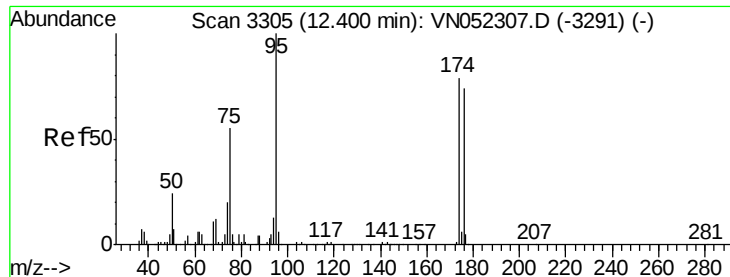
58 17.6 23.5 70.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052446.D

Acq: 21 Nov 2018 18:44

Instrument :

MSVOA\_N

ClientSampleId :

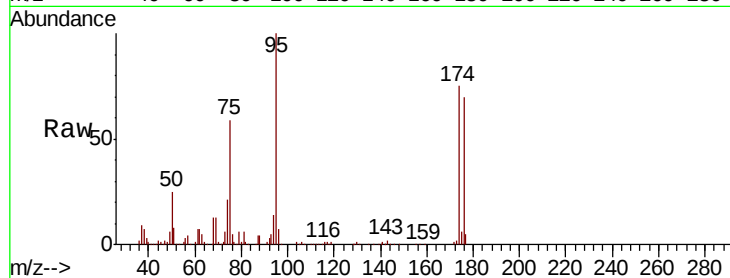
Tot Ion: 95 Resp: 222762

Ion Ratio Lower Upper

95 100

174 74.0 0.0 156.0

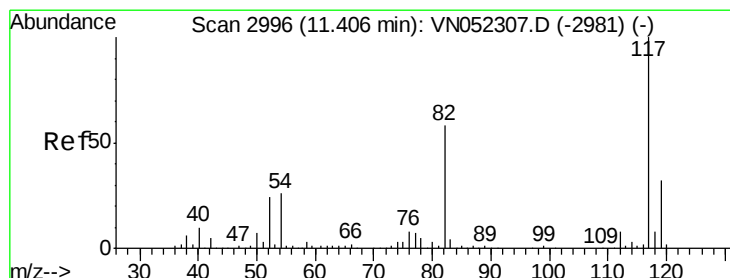
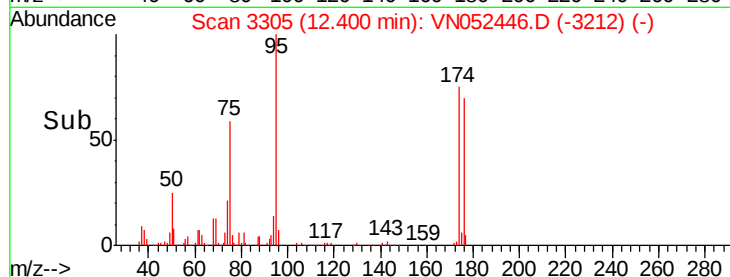
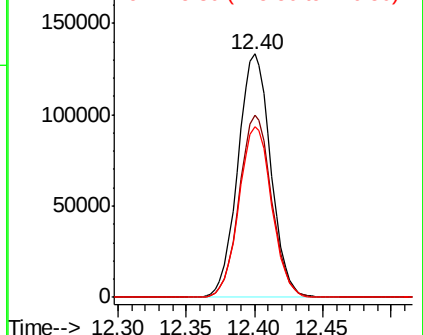
176 70.3 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052307.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052307.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052307.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052446.D

Acq: 21 Nov 2018 18:44

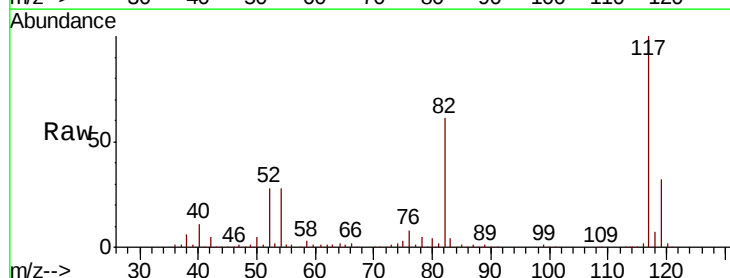
Tgt Ion: 117 Resp: 502762

Ion Ratio Lower Upper

117 100

82 60.7 46.5 69.7

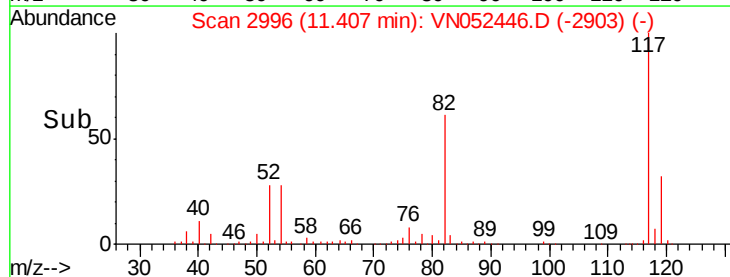
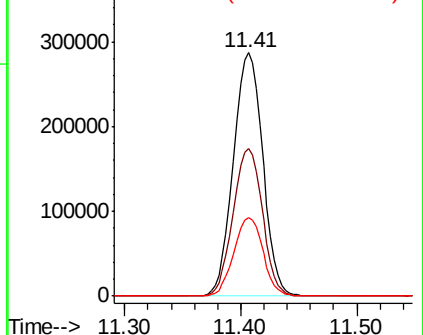
119 32.3 25.7 38.5

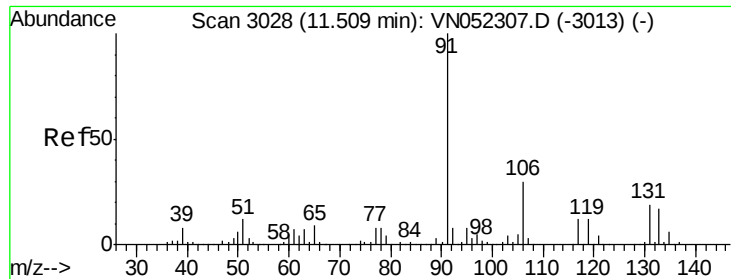


Abundance Ion 116.90 (116.60 to 117.60): VN052307.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN052307.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052307.D (-2981) (-)

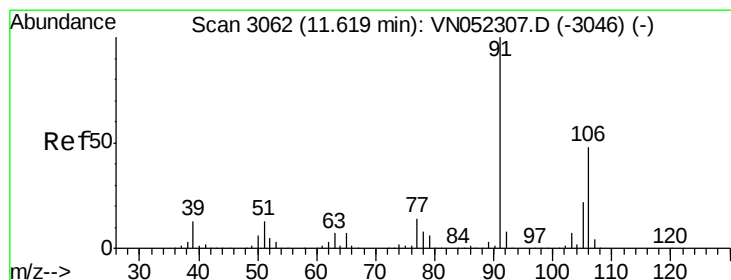
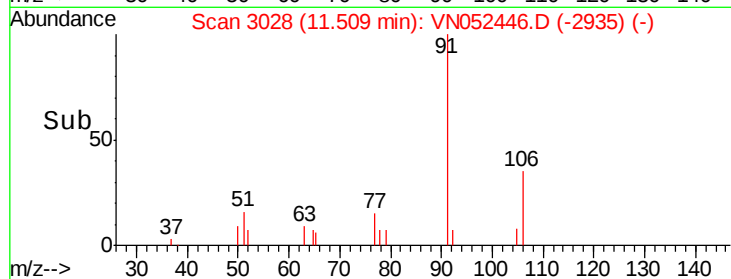
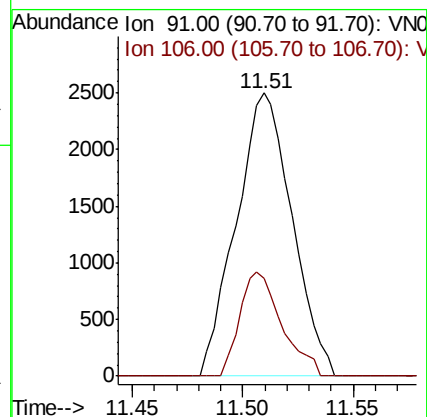
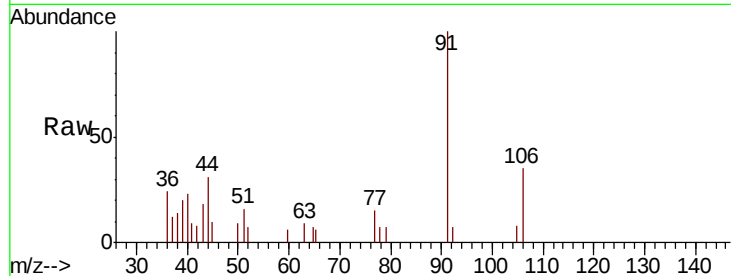




#67  
Ethyl Benzene  
Concen: 0.238 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN052446.D  
Acq: 21 Nov 2018 18:44

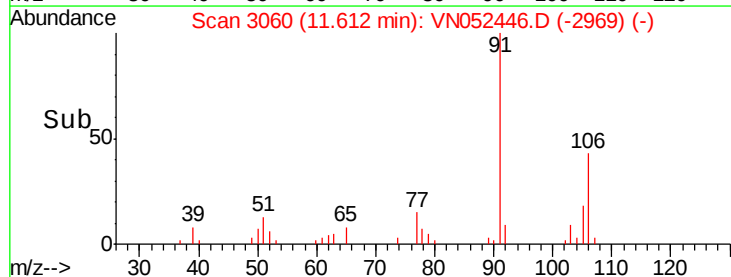
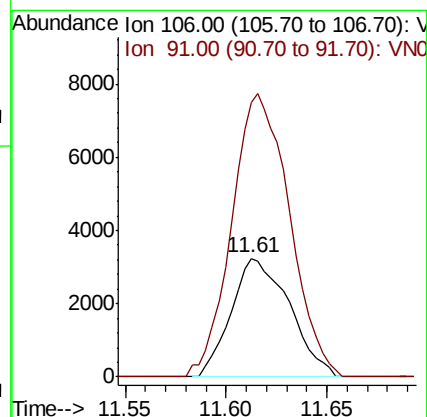
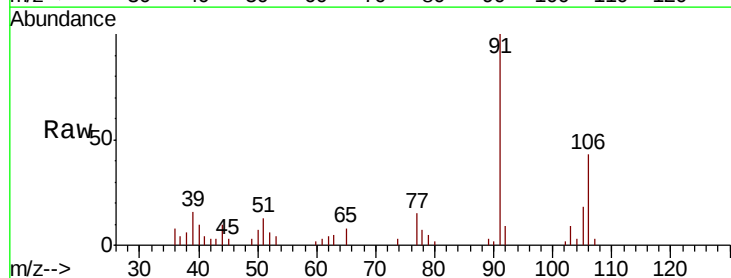
Instrument :  
MSVOA\_N  
ClientSampled :

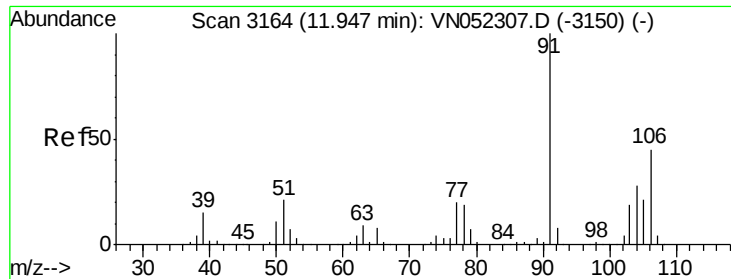
Tot Ion: 91 Resp: 4385  
Ion Ratio Lower Upper  
91 100  
106 34.6 24.2 36.2



#68  
m/p-Xylenes  
Concen: 0.969 ug/l  
RT: 11.61 min Scan# 3060  
Delta R.T. -0.01 min  
Lab File: VN052446.D  
Acq: 21 Nov 2018 18:44

Tgt Ion: 106 Resp: 6531  
Ion Ratio Lower Upper  
106 100  
91 236.2 165.5 248.3

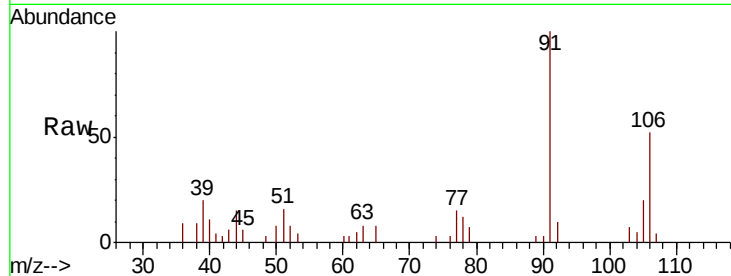




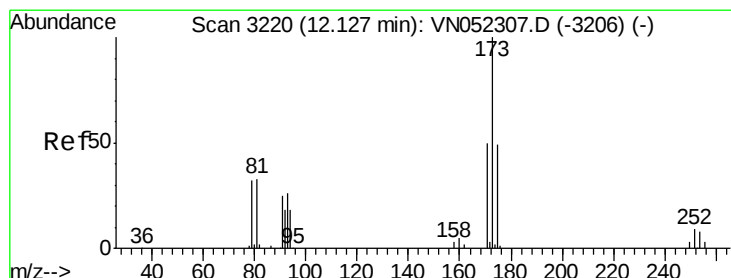
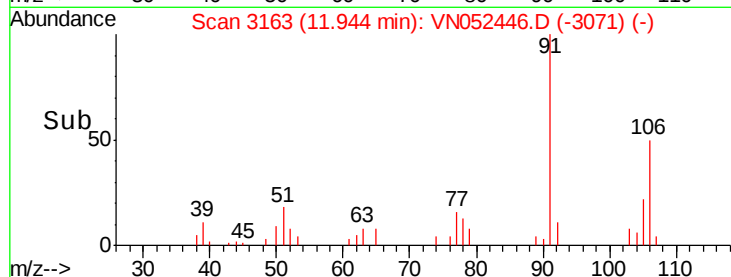
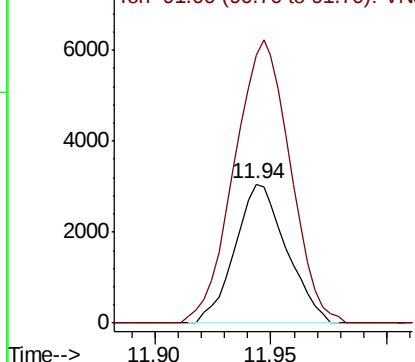
#69  
o-Xylene  
Concen: 0.730 ug/l  
RT: 11.94 min Scan# 3163  
Delta R.T. -0.00 min  
Lab File: VN052446.D  
Acq: 21 Nov 2018 18:44

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:106 Resp: 4717  
Ion Ratio Lower Upper  
106 100  
91 221.1 110.0 330.0

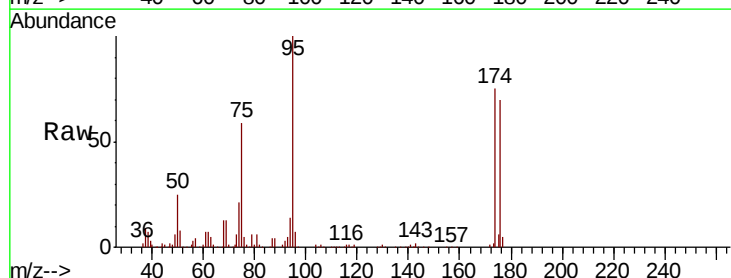


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

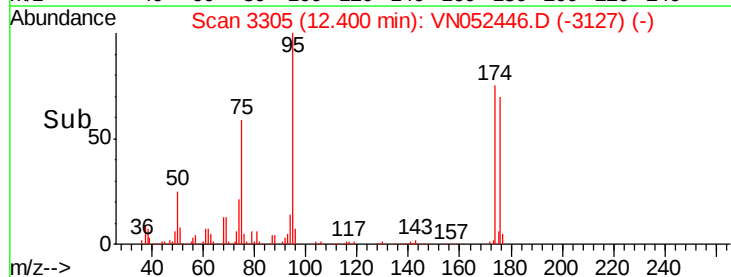
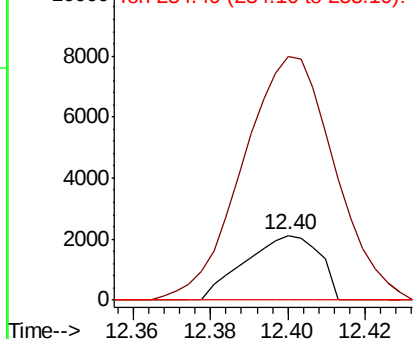


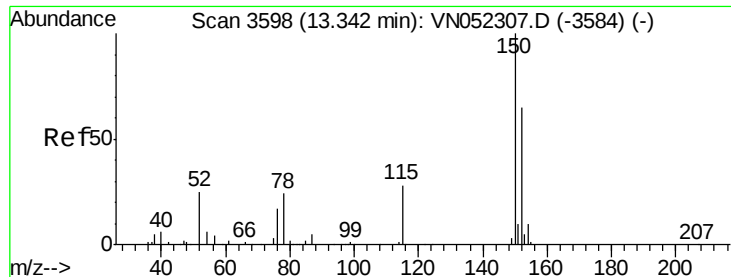
#71  
Bromoform  
Concen: 1.320 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.27 min  
Lab File: VN052446.D  
Acq: 21 Nov 2018 18:44

Tgt Ion:173 Resp: 2825  
Ion Ratio Lower Upper  
173 100  
175 424.1 25.0 75.0#  
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: VN052446.D

Acq: 21 Nov 2018 18:44

Instrument :

MSVOA\_N

ClientSampleId :

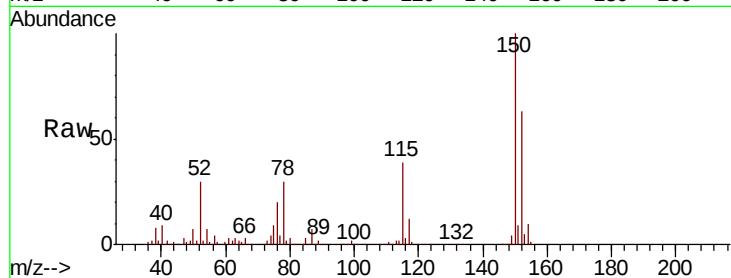
Tot Ion:152 Resp: 169016

Ion Ratio Lower Upper

152 100

115 63.7 30.3 91.0

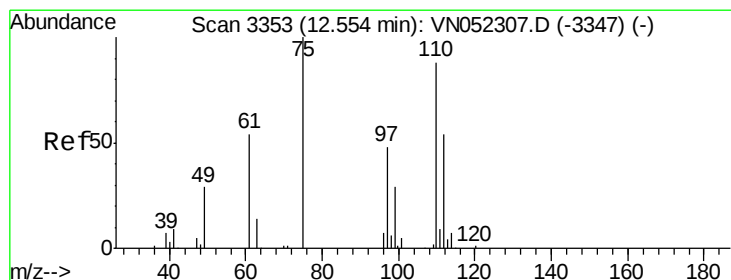
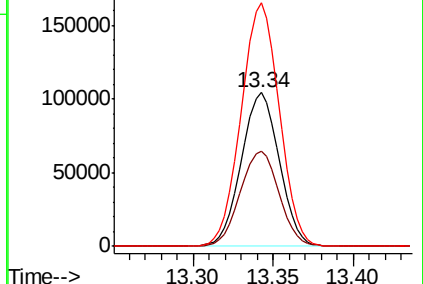
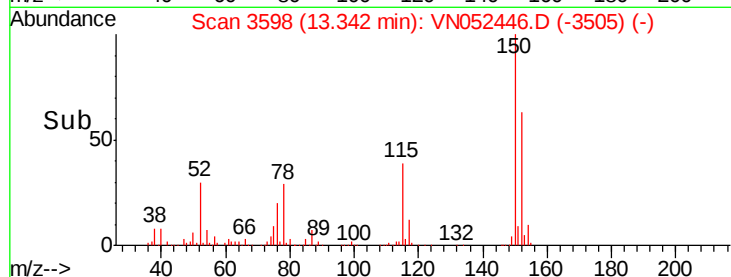
150 159.1 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 45.799 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052446.D

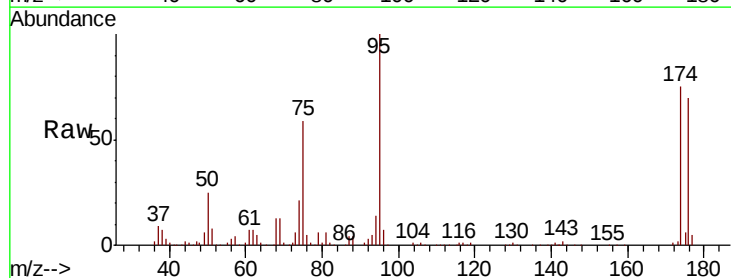
Acq: 21 Nov 2018 18:44

Tgt Ion: 75 Resp: 131345

Ion Ratio Lower Upper

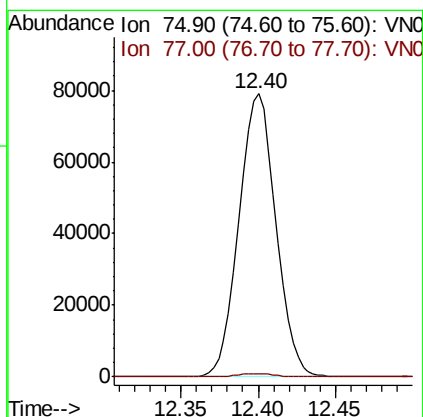
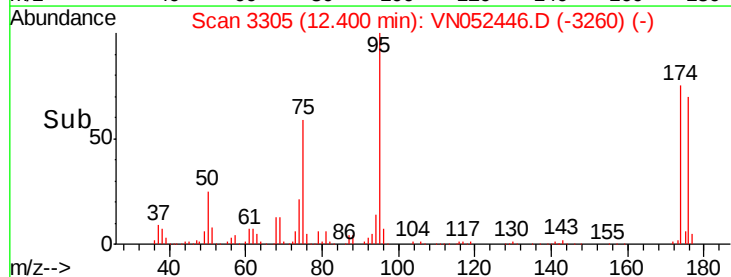
75 100

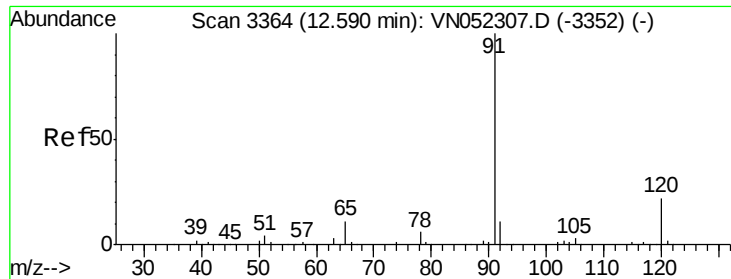
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#78

n-propylbenzene

Concen: 0.380 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052446.D

Acq: 21 Nov 2018 18:44

Instrument :

MSVOA\_N

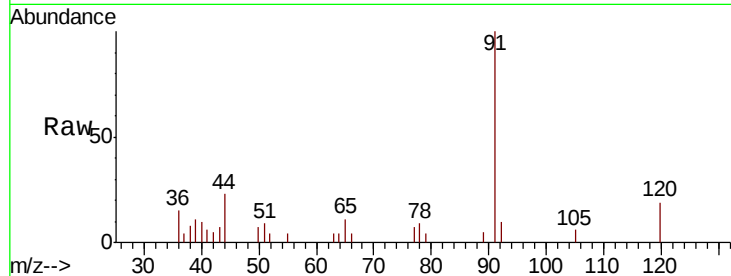
ClientSampleId :

Tot Ion: 91 Resp: 6036

Ion Ratio Lower Upper

91 100

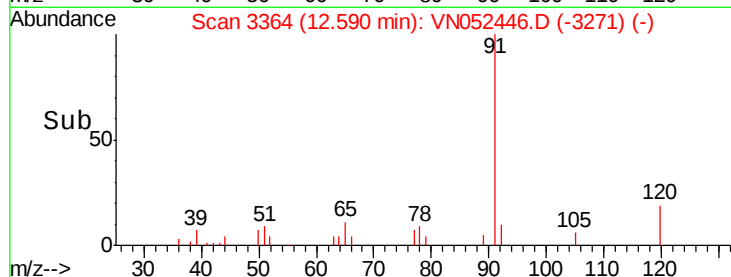
120 21.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3352) (-)

Time-->

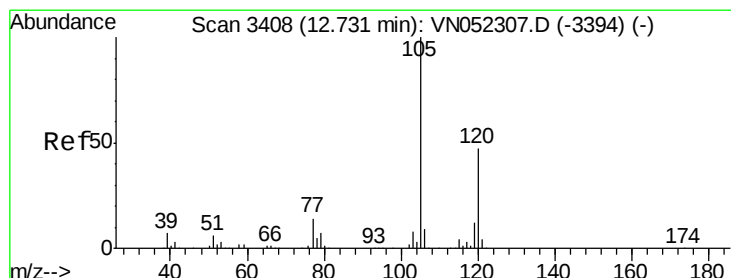


Abundance

Ion 91.00 (90.70 to 91.70): VN052446.D (-3271) (-)

Ion 120.00 (119.70 to 120.70): VN052446.D (-3271) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.414 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052446.D

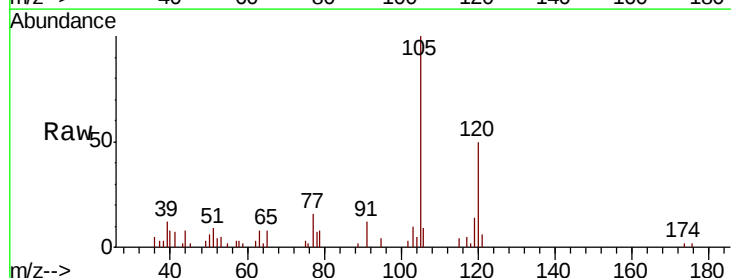
Acq: 21 Nov 2018 18:44

Tgt Ion: 105 Resp: 15275

Ion Ratio Lower Upper

105 100

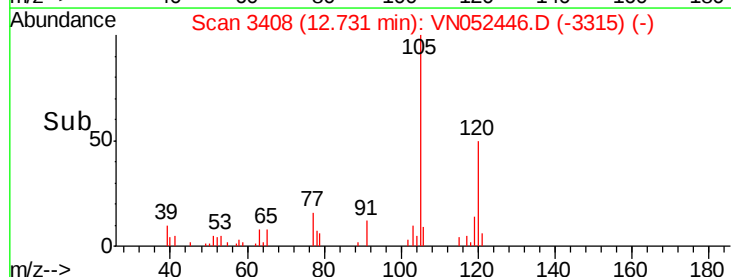
120 50.1 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3394) (-)

Time-->

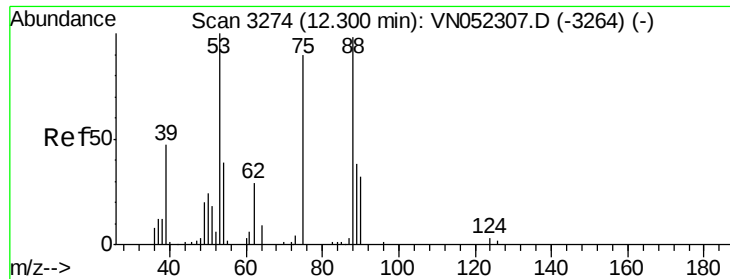


Abundance

Ion 105.00 (104.70 to 105.70): VN052446.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN052446.D (-3315) (-)

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 148.542 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052446.D

Acq: 21 Nov 2018 18:44

Instrument :

MSVOA\_N

ClientSampleId :

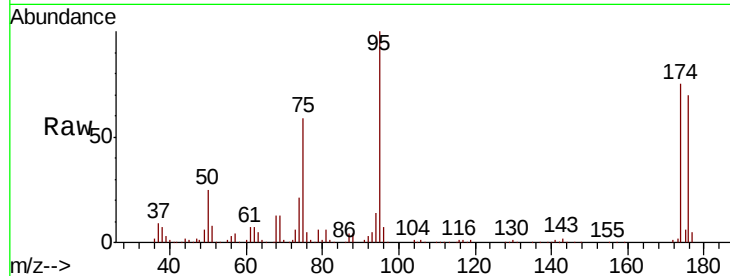
Tot Ion: 75 Resp: 131345

Ion Ratio Lower Upper

75 100

53 0.0 90.2 135.2#

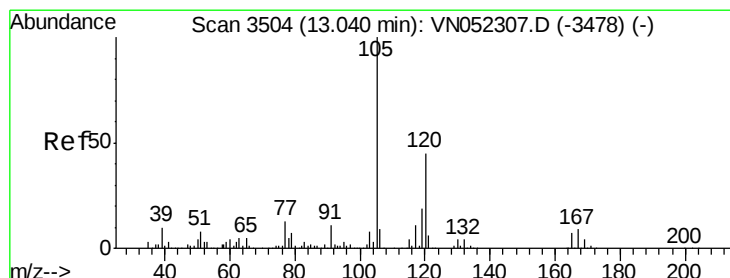
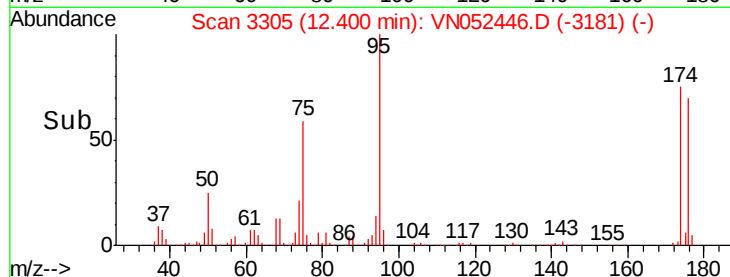
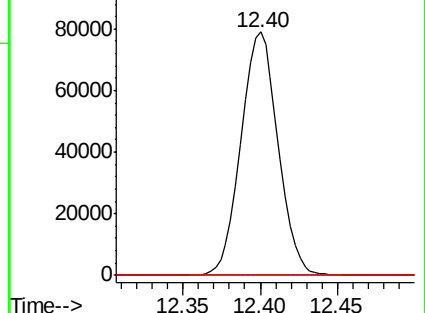
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052307.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052307.D (-3264) (-)



#84

1,2,4-Trimethylbenzene

Concen: 3.801 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN052446.D

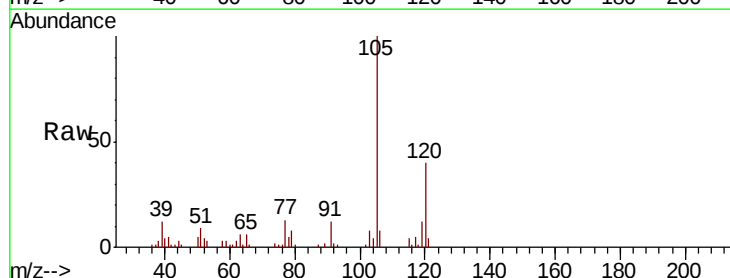
Acq: 21 Nov 2018 18:44

Tgt Ion:105 Resp: 41237

Ion Ratio Lower Upper

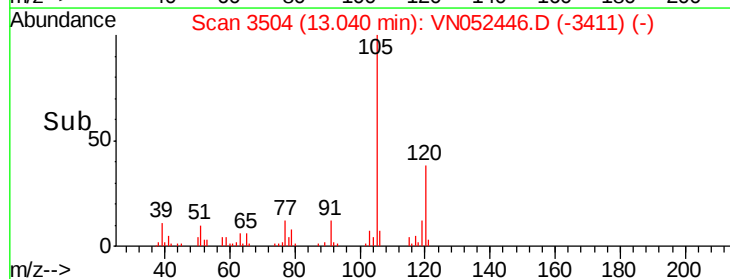
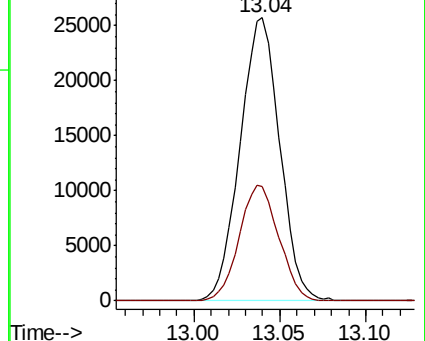
105 100

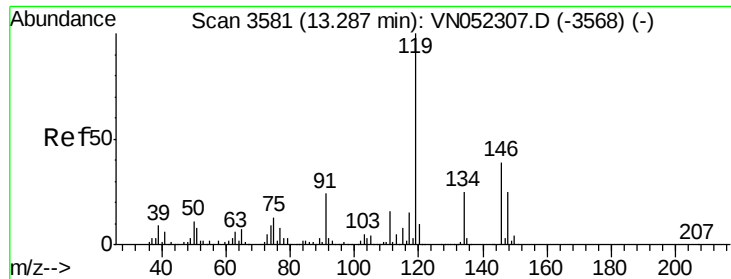
120 40.6 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3478) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3478) (-)

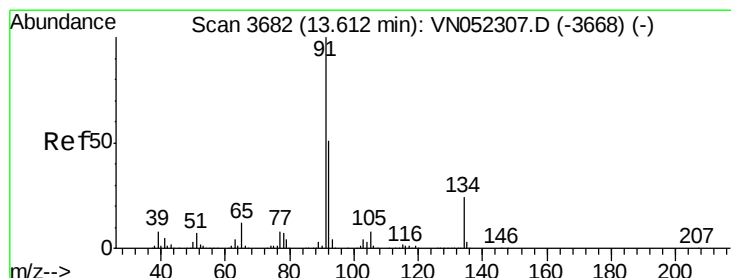
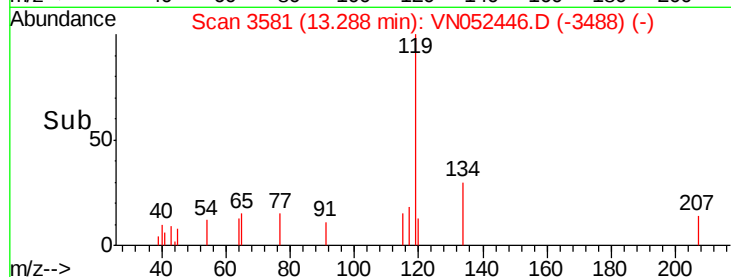
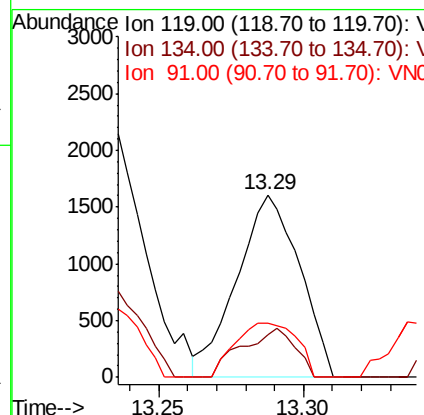
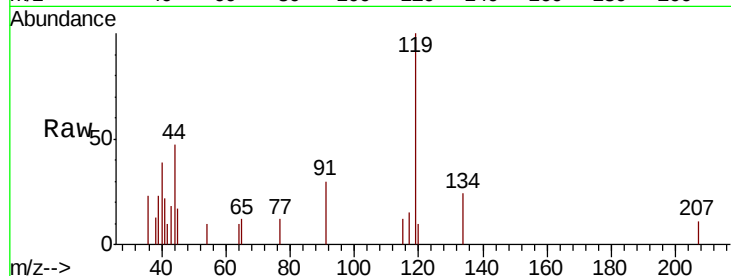




#86  
 p-Isopropyltoluene  
 Concen: 0.219 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN052446.D  
 Acq: 21 Nov 2018 18:44

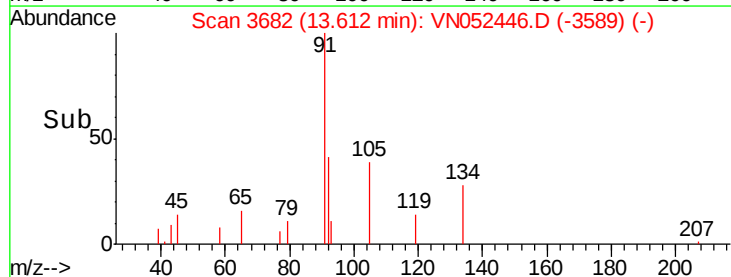
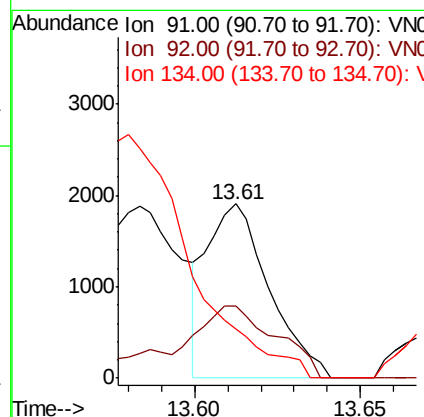
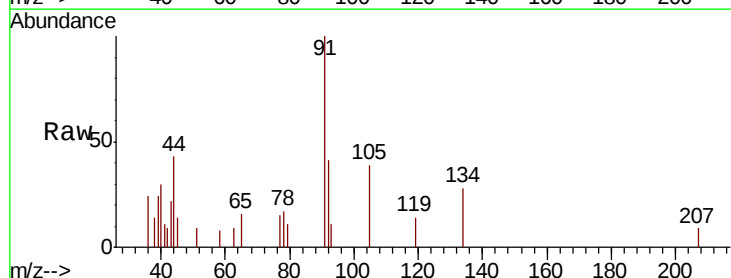
Instrument :  
 MSVOA\_N  
 ClientSampleId :

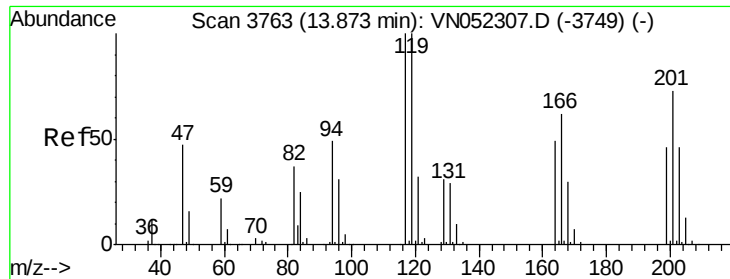
Tot Ion: 119 Resp: 2407  
 Ion Ratio Lower Upper  
 119 100  
 134 22.8 13.0 38.9  
 91 29.3 12.4 37.0



#89  
 n-Butylbenzene  
 Concen: 0.261 ug/l  
 RT: 13.61 min Scan# 3682  
 Delta R.T. 0.00 min  
 Lab File: VN052446.D  
 Acq: 21 Nov 2018 18:44

Tgt Ion: 91 Resp: 2467  
 Ion Ratio Lower Upper  
 91 100  
 92 53.3 25.4 76.2  
 134 0.0 12.2 36.4#

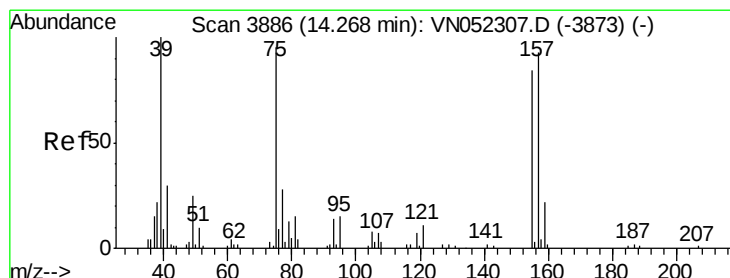
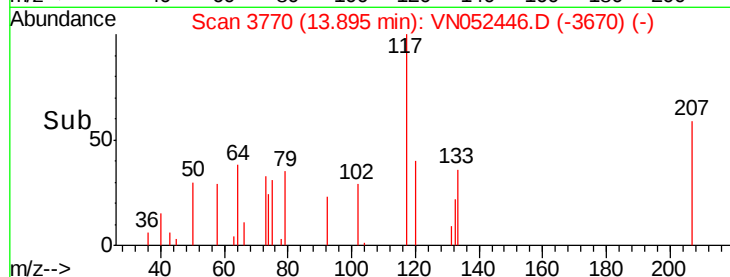
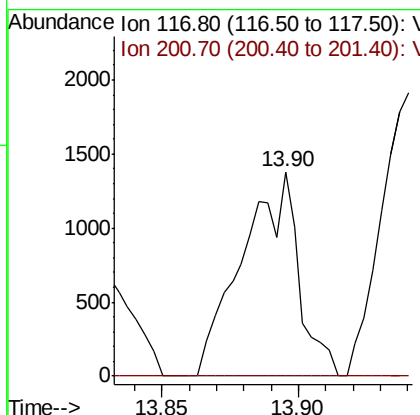
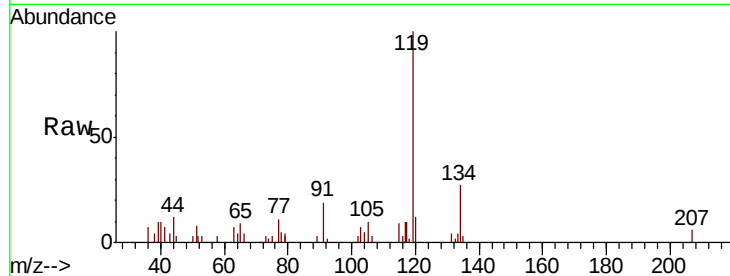




#90  
Hexachloroethane  
Concen: 1.015 ug/l  
RT: 13.90 min Scan# 3770  
Delta R.T. 0.02 min  
Lab File: VN052446.D  
Acq: 21 Nov 2018 18:44

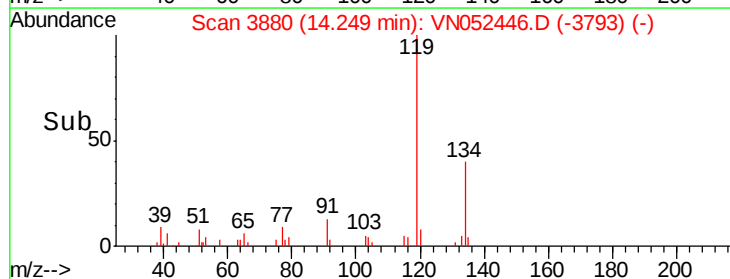
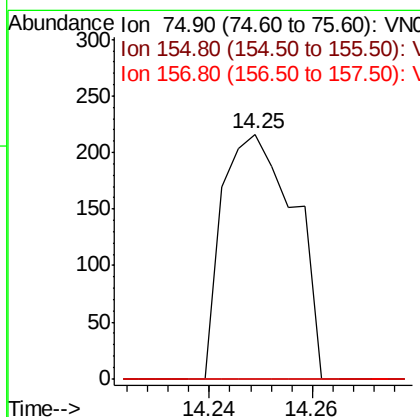
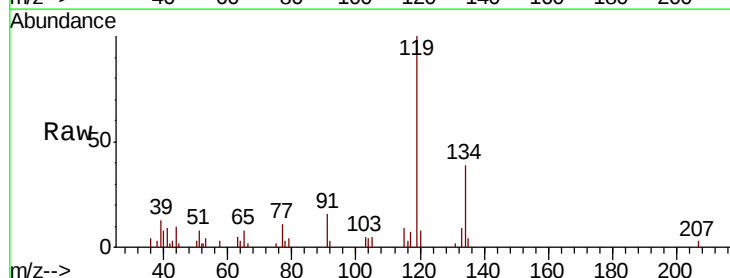
Instrument :  
MSVOA\_N  
ClientSampled :

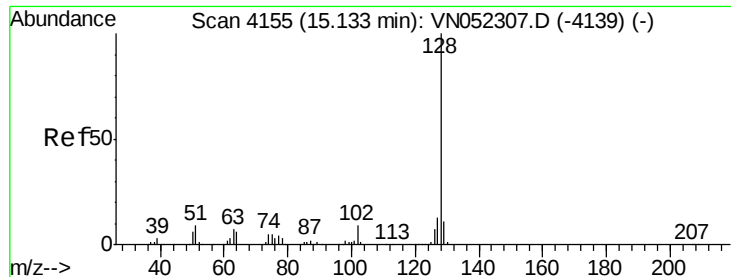
Tot Ion:117 Resp: 1979  
Ion Ratio Lower Upper  
117 100  
201 0.0 35.3 105.9#



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.429 ug/l  
RT: 14.25 min Scan# 3880  
Delta R.T. -0.02 min  
Lab File: VN052446.D  
Acq: 21 Nov 2018 18:44

Tgt Ion: 75 Resp: 208  
Ion Ratio Lower Upper  
75 100  
155 0.0 42.4 127.3#  
157 0.0 49.6 149.0#





#95

Naphthalene

Concen: 4.009 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052446.D

Acq: 21 Nov 2018 18:44

Instrument :

MSVOA\_N

ClientSampleId :

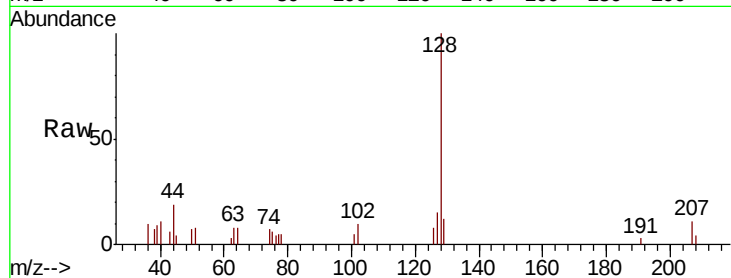
Tot Ion:128 Resp: 8864

Ion Ratio Lower Upper

128 100

127 15.2 10.4 15.6

129 13.8 8.6 13.0#



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

