

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112118\  
 Data File : VN052438.D  
 Acq On : 21 Nov 2018 15:11  
 Operator : MD\SY  
 Sample : J5772-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 21 23:58:04 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  | 308780   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 520906   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 444166   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 147590   | 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   | 236114   | 54.14 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 108.28% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 171162   | 50.94 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.88% |          |
| 50) Toluene-d8              | 10.09 | 98   | 671306   | 50.79 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.58% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 194292   | 44.69 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.38%  |          |

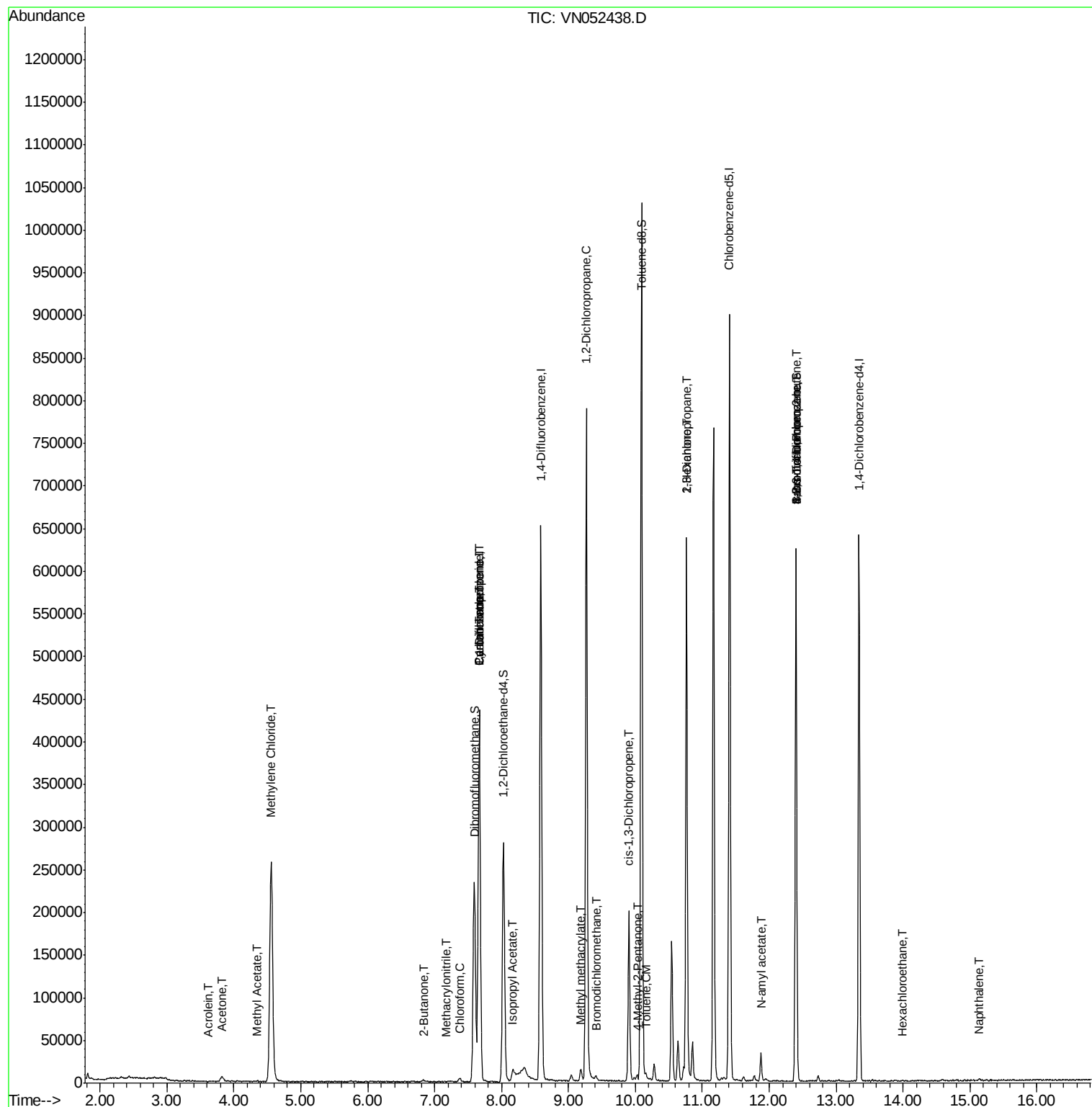
| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 13) Acrolein                   | 3.62  | 56   | 61       | 21.931  | ug/l # | 71     |
| 16) Acetone                    | 3.82  | 43   | 10914    | 9.089   | ug/l   | 91     |
| 18) Methyl Acetate             | 4.34  | 43   | 1119     | 0.761   | ug/l # | 80     |
| 20) Methylene Chloride         | 4.55  | 84   | 168646   | 46.111  | ug/l   | 98     |
| 25) 2-Butanone                 | 6.84  | 43   | 810      | 0.479   | ug/l # | 52     |
| 30) Chloroform                 | 7.38  | 83   | 3895     | 0.572   | ug/l # | 78     |
| 31) Cyclohexane                | 7.67  | 56   | 9594     | 0.395   | ug/l # | 17     |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 30469    | 5.836   | ug/l # | 51     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 34371    | 7.166   | ug/l # | 15     |
| 41) Methacrylonitrile          | 7.18  | 41   | 103      | 3.741   | ug/l # | 100    |
| 43) Isopropyl Acetate          | 8.17  | 43   | 20972    | 2.868   | ug/l # | 91     |
| 45) 1,2-Dichloropropane        | 9.27  | 63   | 1012     | 0.239   | ug/l # | 44     |
| 47) Bromodichloromethane       | 9.41  | 83   | 1046     | 0.208   | ug/l # | 80     |
| 48) Methyl methacrylate        | 9.18  | 41   | 6064     | 1.634   | ug/l # | 16     |
| 51) 4-Methyl-2-Pentanone       | 10.03 | 43   | 4517     | 1.227   | ug/l # | 41     |
| 52) Toluene                    | 10.16 | 92   | 2652     | 0.297   | ug/l   | 90     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 28847    | 4.990   | ug/l # | 74     |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 5643     | 0.985   | ug/l # | 43     |
| 59) 2-Hexanone                 | 10.76 | 43   | 107047   | 42.285  | ug/l # | 55     |
| 71) Bromoform                  | 12.40 | 173  | 873      | 0.462   | ug/l # | 1      |
| 74) N-amyl acetate             | 11.88 | 43   | 10894    | 2.578   | ug/l # | 58     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 112026   | 44.733  | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 112026   | 145.086 | ug/l # | 5      |
| 90) Hexachloroethane           | 13.99 | 117  | 450      | 0.264   | ug/l # | 14     |
| 95) Naphthalene                | 15.14 | 128  | 1872     | 2.944   | ug/l # | 74     |

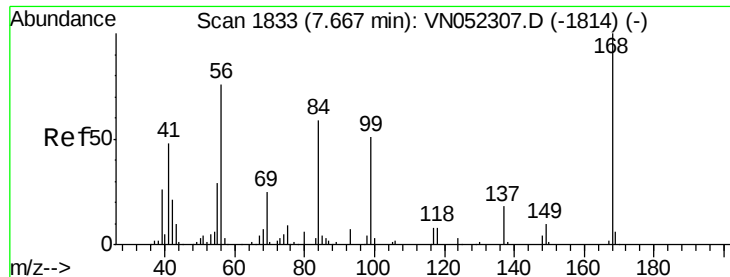
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112118\  
Data File : VN052438.D  
Acq On : 21 Nov 2018 15:11  
Operator : MD\SY  
Sample : J5772-04  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 14 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Nov 21 23:58:04 2018  
Quant Method : Z:\V0ASRV\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: VN052438.D

Acq: 21 Nov 2018 15:11

Instrument :

MSVOA\_N

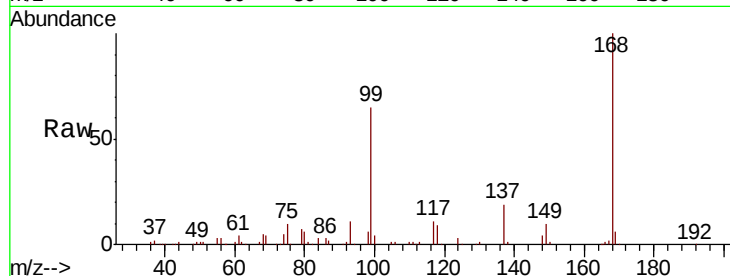
ClientSampled :

Tot Ion:168 Resp: 308780

Ion Ratio Lower Upper

168 100

99 65.1 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

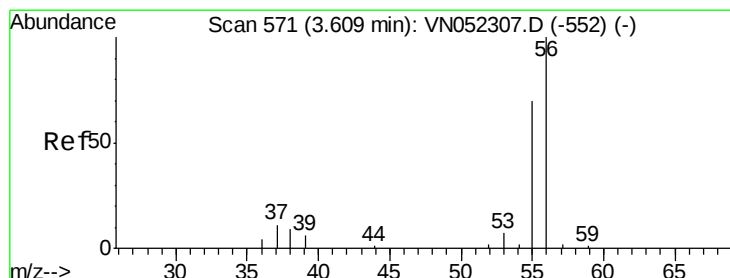
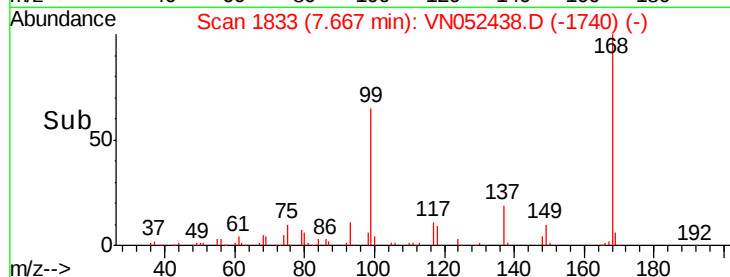
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 21.931 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN052438.D

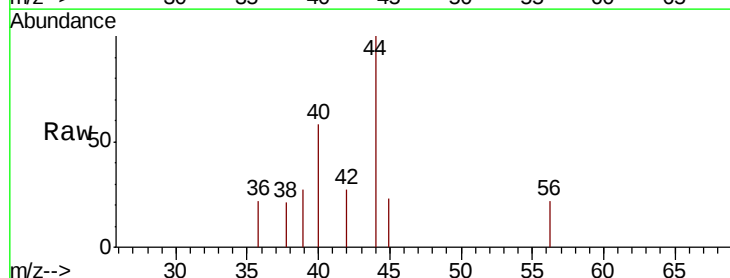
Acq: 21 Nov 2018 15:11

Tgt Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 47.5 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.62

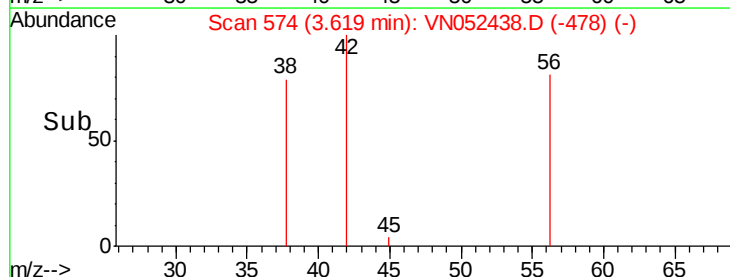
150

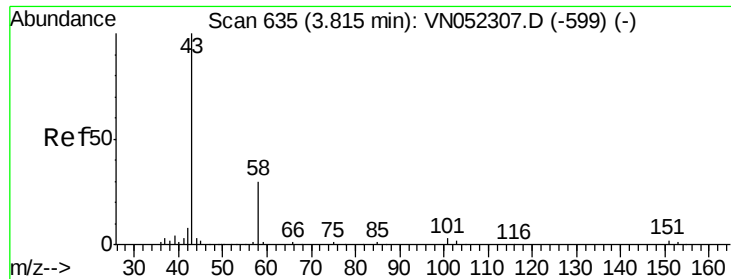
100

50

0

Time-->

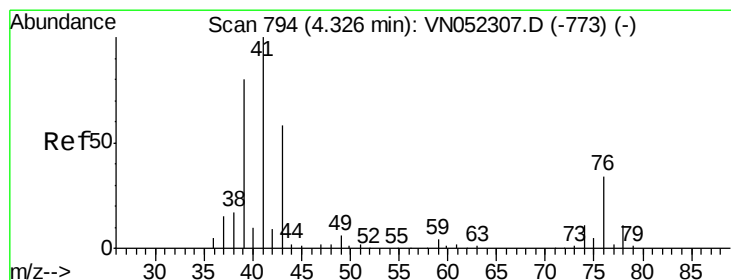
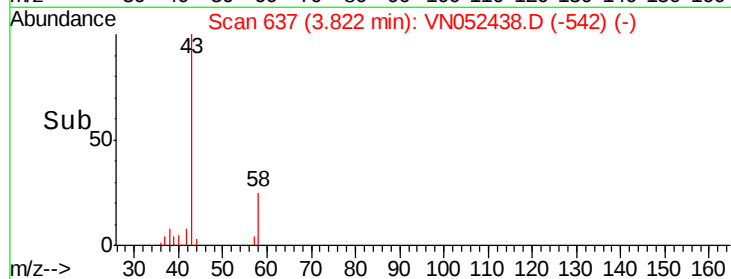
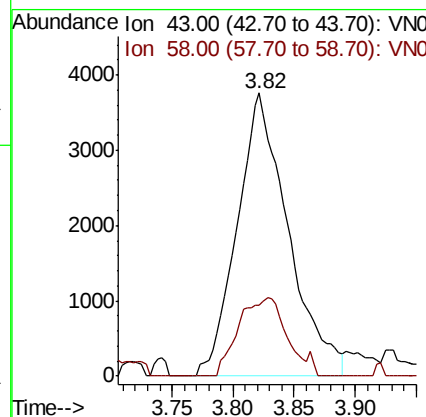
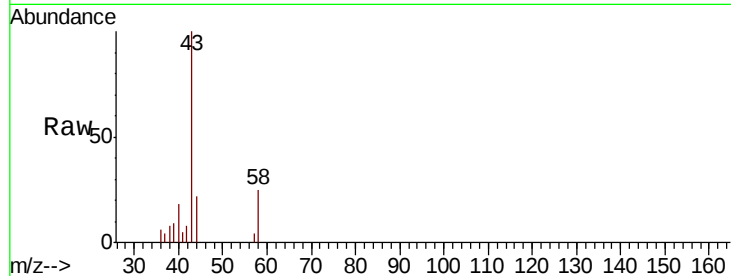




#16  
Acetone  
Concen: 9.089 ug/l  
RT: 3.82 min Scan# 637  
Delta R.T. 0.01 min  
Lab File: VN052438.D  
Acq: 21 Nov 2018 15:11

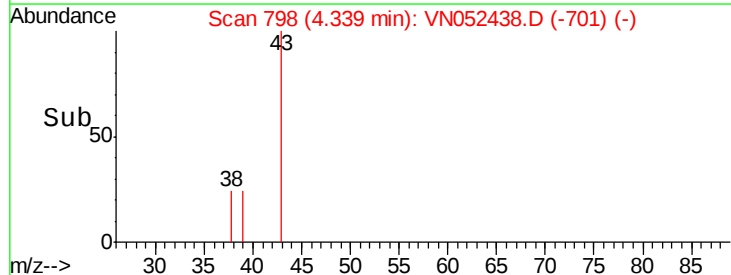
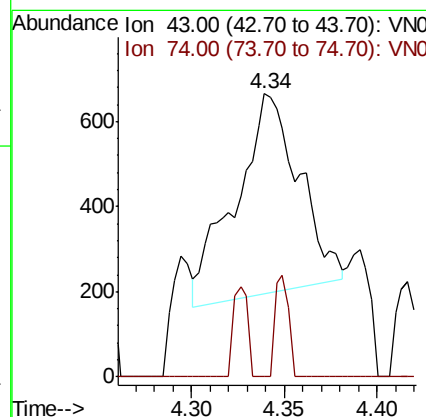
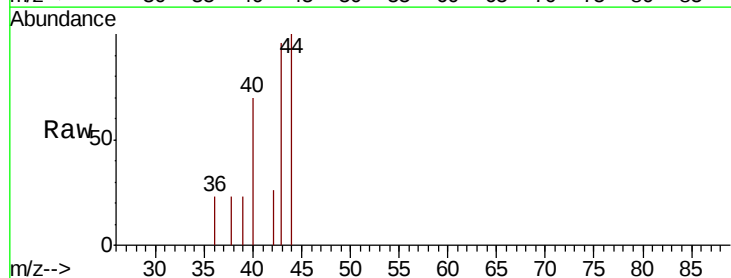
Instrument :  
MSVOA\_N  
ClientSampleId :

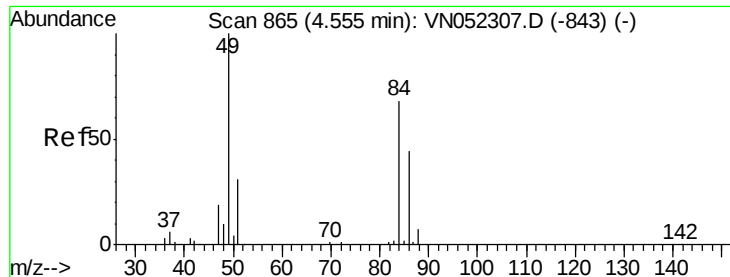
Tot Ion: 43 Resp: 10914  
Ion Ratio Lower Upper  
43 100  
58 25.2 24.2 36.4



#18  
Methyl Acetate  
Concen: 0.761 ug/l  
RT: 4.34 min Scan# 798  
Delta R.T. 0.01 min  
Lab File: VN052438.D  
Acq: 21 Nov 2018 15:11

Tgt Ion: 43 Resp: 1119  
Ion Ratio Lower Upper  
43 100  
74 10.8 15.9 23.9#

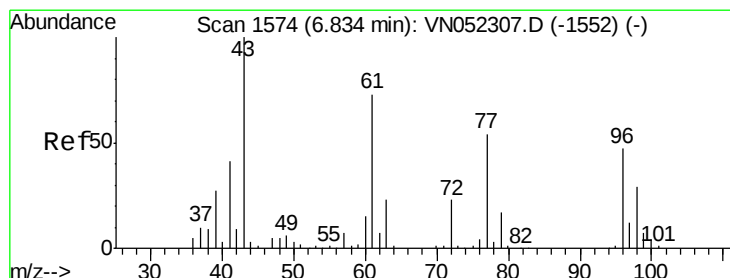
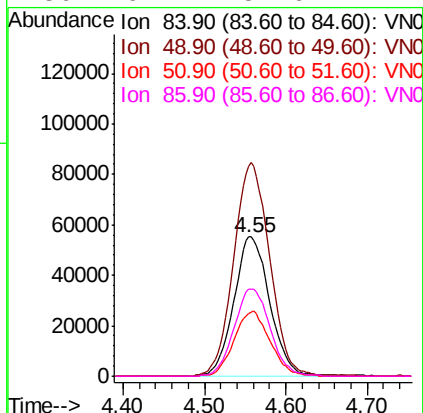
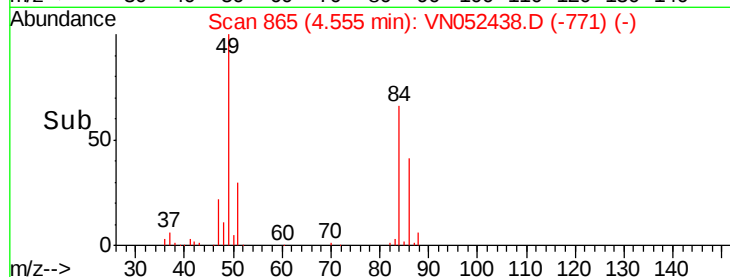
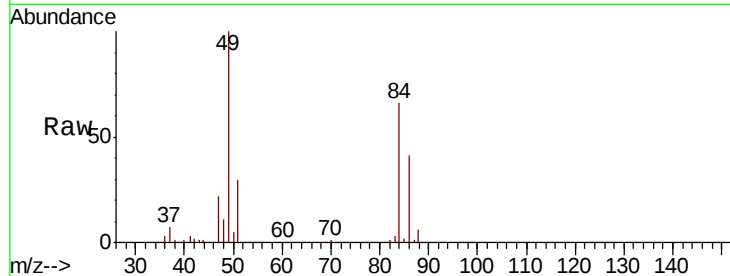




#20  
Methvlene Chloride  
Concen: 46.111 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN052438.D  
Acq: 21 Nov 2018 15:11

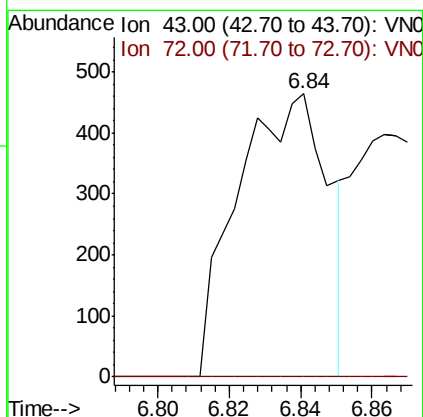
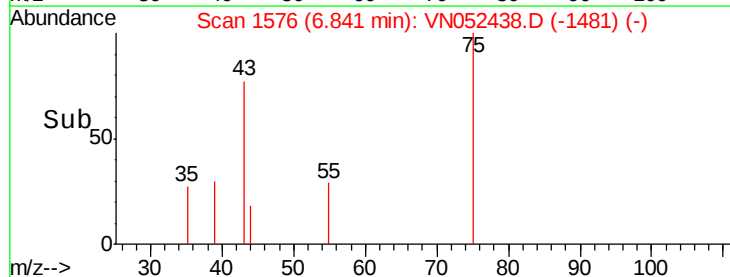
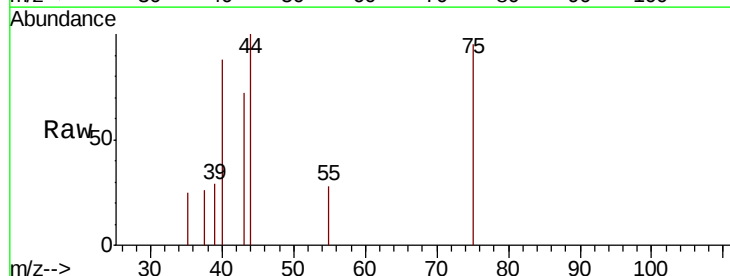
Instrument :  
MSVOA\_N  
ClientSampled :

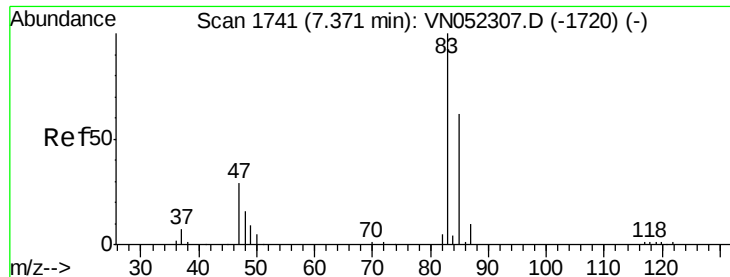
Tot Ion: 84 Resp: 168646  
Ion Ratio Lower Upper  
84 100  
49 150.9 118.2 177.2  
51 44.9 36.1 54.1  
86 62.1 51.6 77.4



#25  
2-Butanone  
Concen: 0.479 ug/l  
RT: 6.84 min Scan# 1576  
Delta R.T. 0.01 min  
Lab File: VN052438.D  
Acq: 21 Nov 2018 15:11

Tgt Ion: 43 Resp: 810  
Ion Ratio Lower Upper  
43 100  
72 0.0 18.6 27.8#

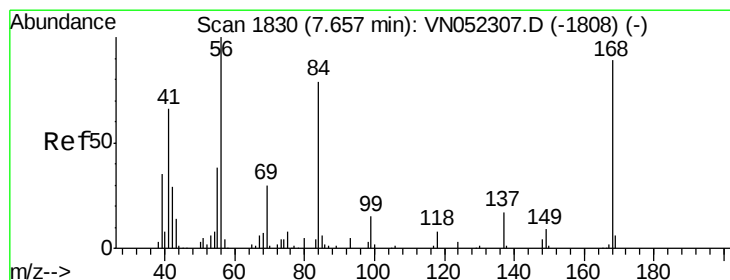
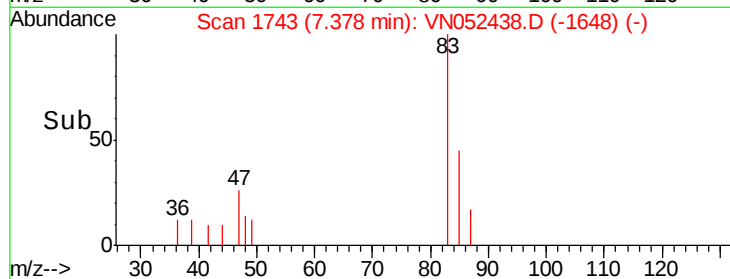
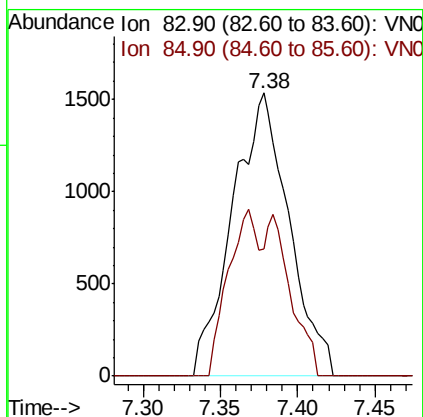
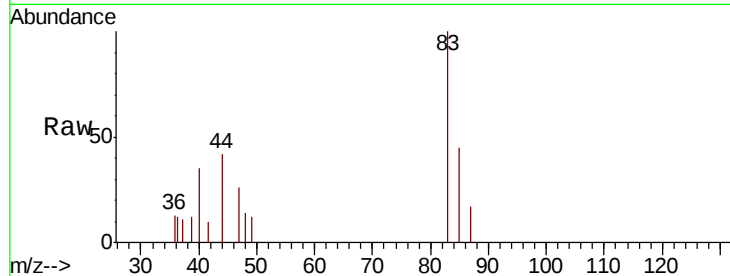




#30  
Chloroform  
Concen: 0.572 ug/l  
RT: 7.38 min Scan# 1743  
Delta R.T. 0.01 min  
Lab File: VN052438.D  
Acq: 21 Nov 2018 15:11

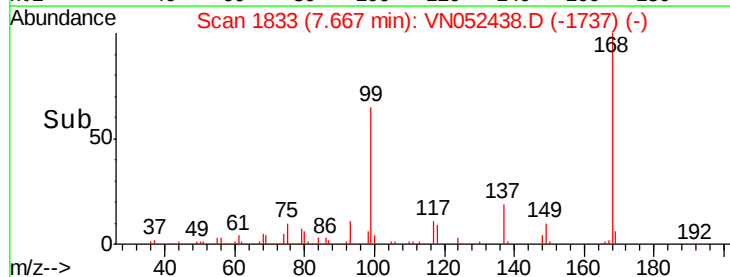
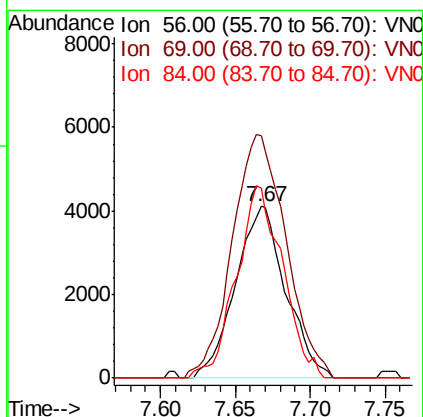
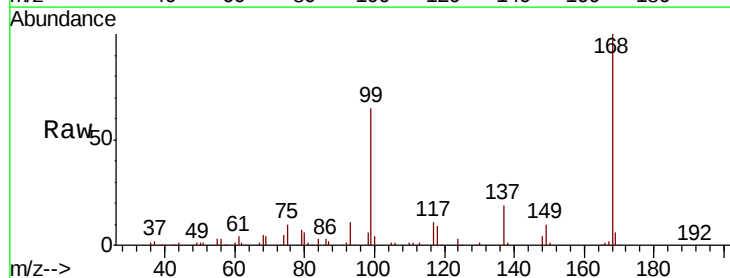
Instrument :  
MSVOA\_N  
ClientSampled :

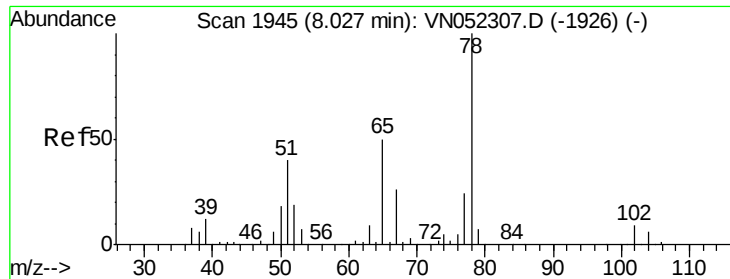
Tot Ion: 83 Resp: 3895  
Ion Ratio Lower Upper  
83 100  
85 45.1 49.4 74.2#



#31  
Cyclohexane  
Concen: 0.395 ug/l  
RT: 7.67 min Scan# 1833  
Delta R.T. 0.01 min  
Lab File: VN052438.D  
Acq: 21 Nov 2018 15:11

Tgt Ion: 56 Resp: 9594  
Ion Ratio Lower Upper  
56 100  
69 140.9 23.8 35.8#  
84 110.5 63.0 94.6#

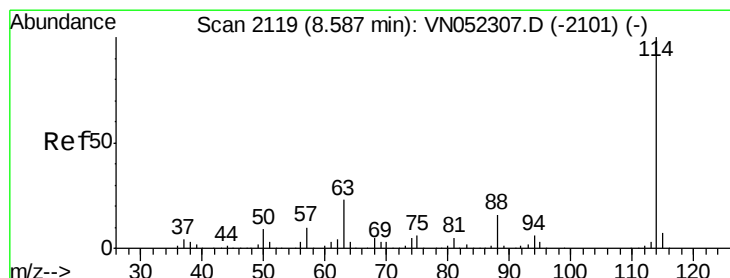
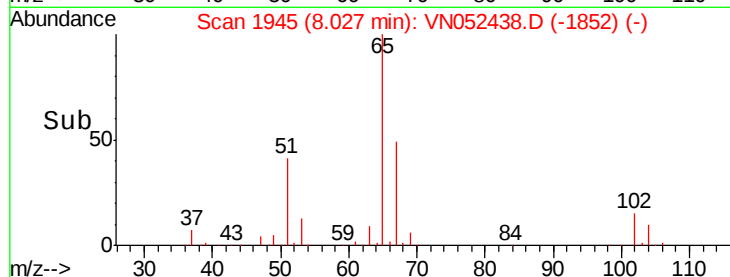
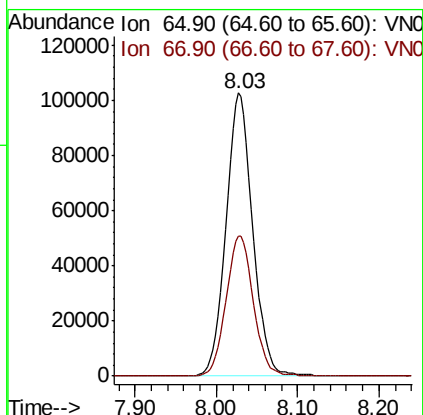
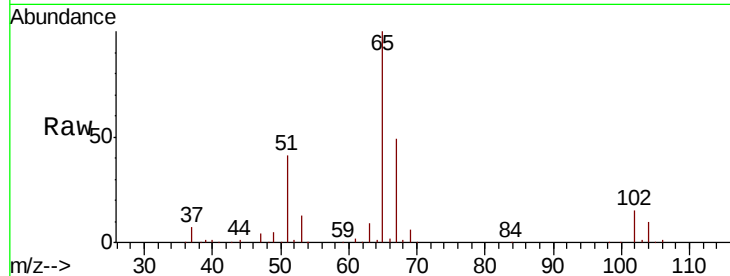




#33  
 1,2-Dichloroethane-d4  
 Concen: Below ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN052438.D  
 Acq: 21 Nov 2018 15:11

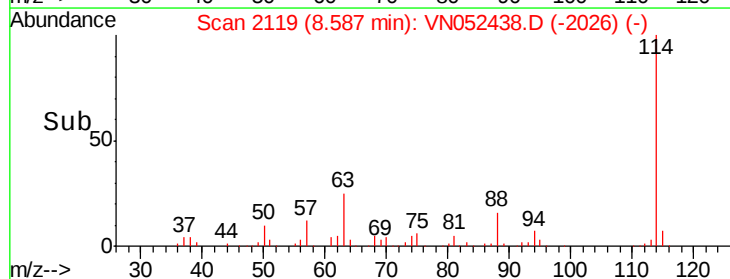
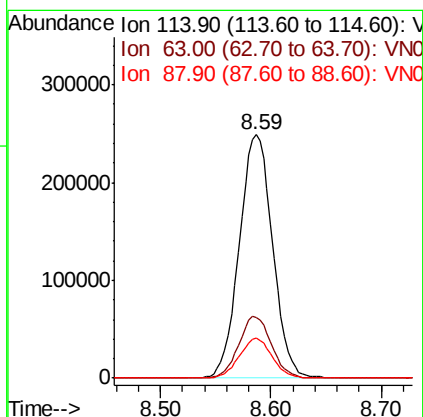
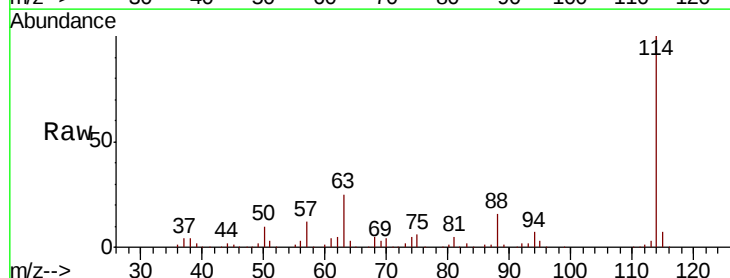
Instrument :  
 MSVOA\_N  
 ClientSampleId :

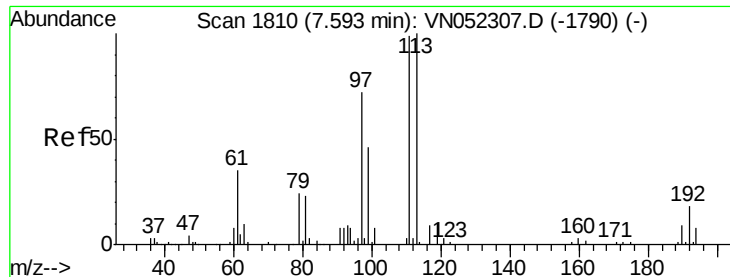
Tot Ion: 65 Resp: 236114  
 Ion Ratio Lower Upper  
 65 100  
 67 50.6 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052438.D  
 Acq: 21 Nov 2018 15:11

Tgt Ion: 114 Resp: 520906  
 Ion Ratio Lower Upper  
 114 100  
 63 25.1 0.0 45.4  
 88 16.3 0.0 31.2

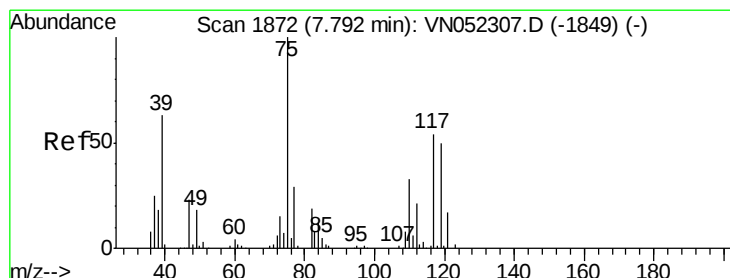
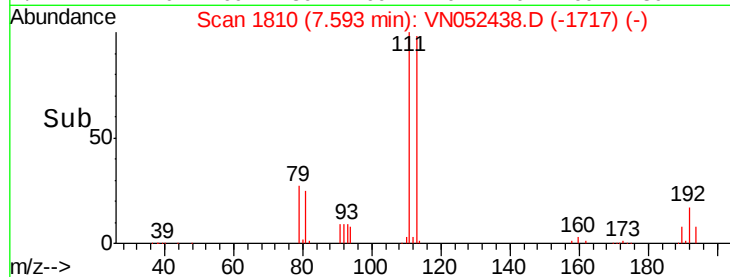
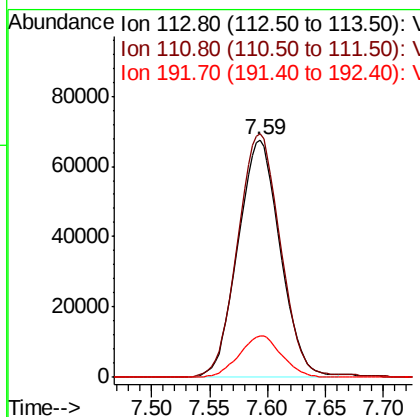
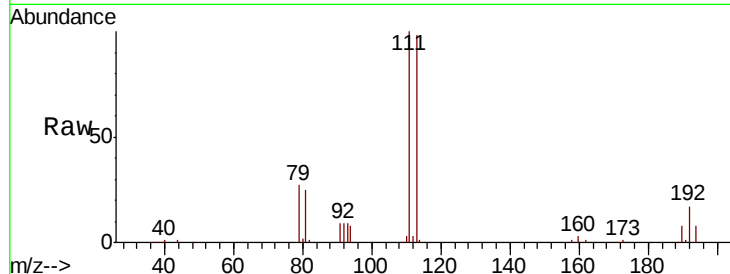




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN052438.D  
 Acq: 21 Nov 2018 15:11

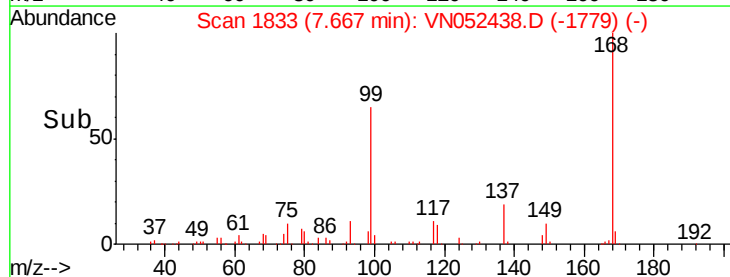
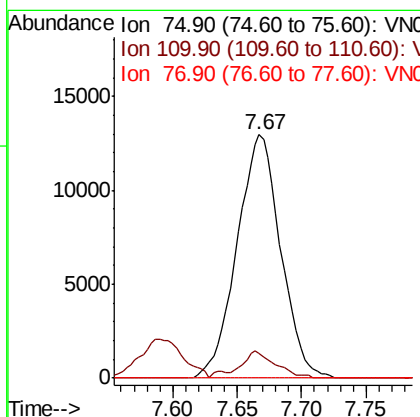
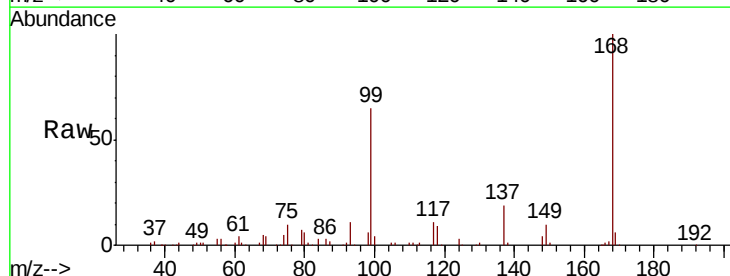
Instrument :  
 MSVOA\_N  
 ClientSampleId :

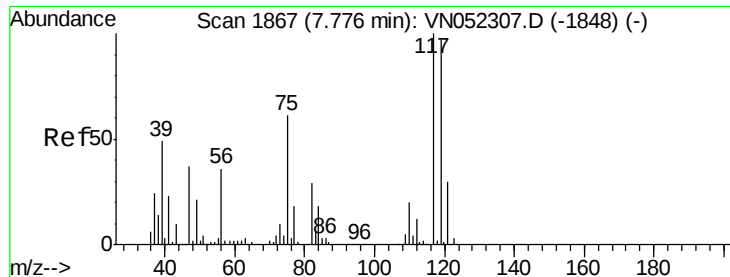
Tot Ion:113 Resp: 171162  
 Ion Ratio Lower Upper  
 113 100  
 111 103.8 81.0 121.6  
 192 17.4 13.8 20.6



#36  
 1,1-Dichloropropene  
 Concen: 5.836 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.13 min  
 Lab File: VN052438.D  
 Acq: 21 Nov 2018 15:11

Tgt Ion: 75 Resp: 30469  
 Ion Ratio Lower Upper  
 75 100  
 110 8.4 16.5 49.5#  
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 7.166 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052438.D

Acq: 21 Nov 2018 15:11

Instrument :

MSVOA\_N

ClientSampled :

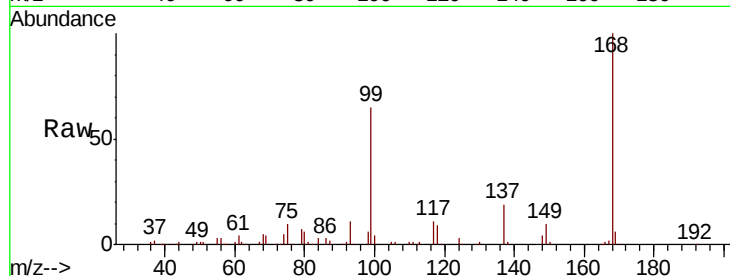
Tot Ion:117 Resp: 34371

Ion Ratio Lower Upper

117 100

119 4.5 77.4 116.0#

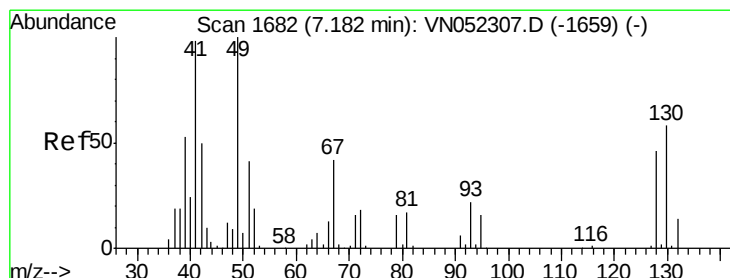
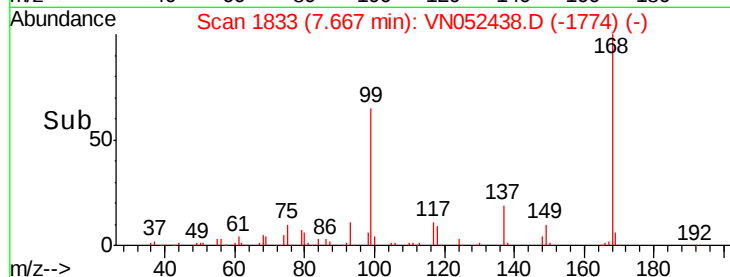
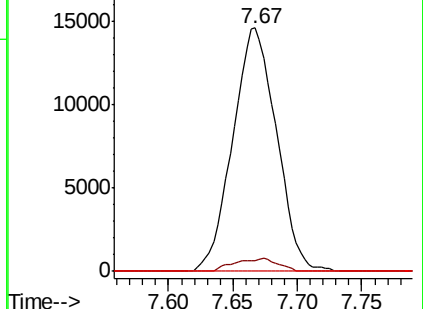
121 0.0 24.0 36.0#



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: 3.741 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN052438.D

Acq: 21 Nov 2018 15:11

Tgt Ion: 41 Resp: 103

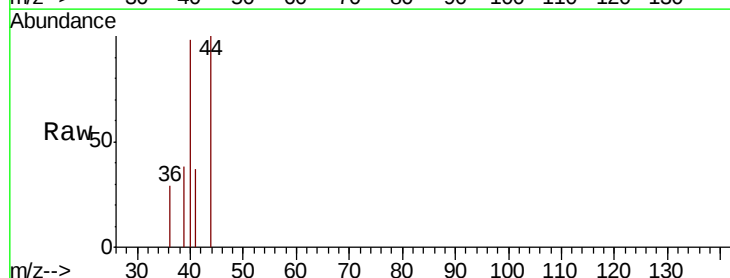
Ion Ratio Lower Upper

41 100

39 114.6 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

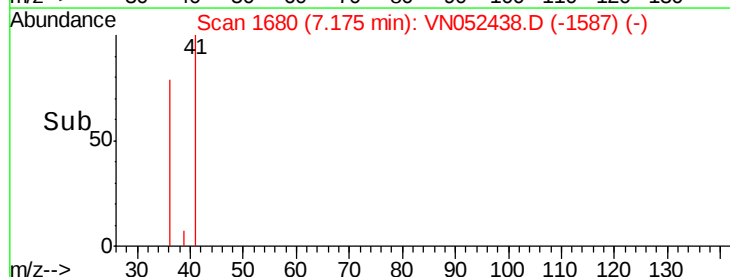
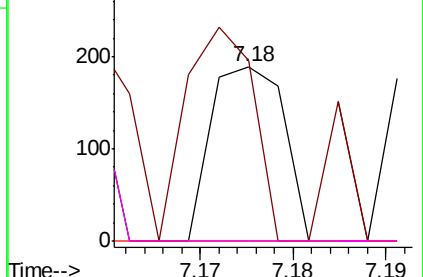


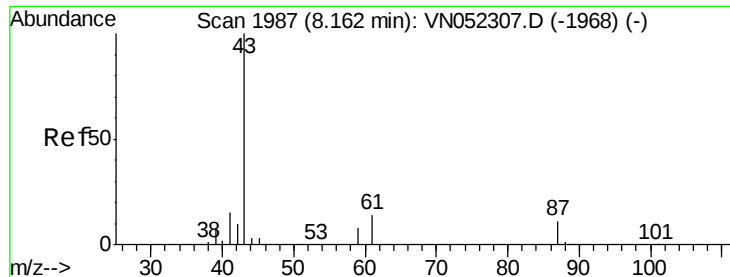
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 2.868 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052438.D

Acq: 21 Nov 2018 15:11

Instrument :

MSVOA\_N

ClientSampled :

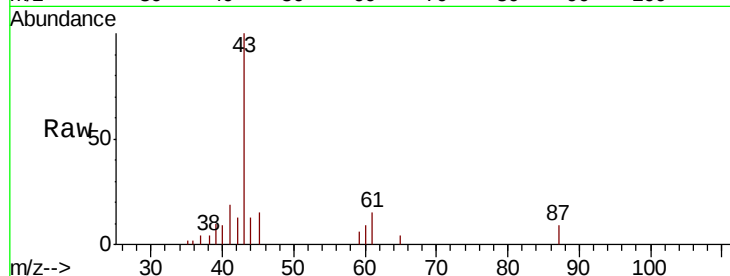
Tot Ion: 43 Resp: 20972

Ion Ratio Lower Upper

43 100

61 11.5 12.0 18.0#

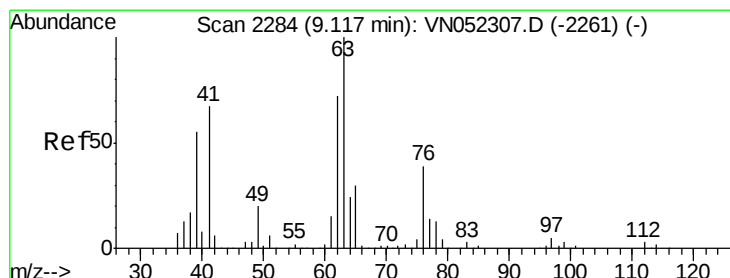
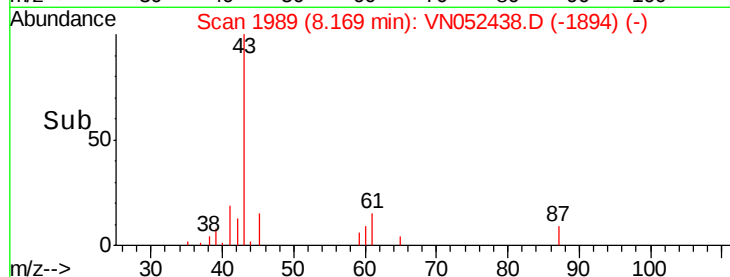
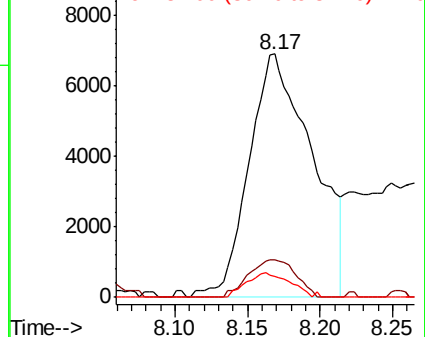
87 7.0 8.3 12.5#



Abundance Ion 43.00 (42.70 to 43.70): VN052438.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052438.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052438.D (-1968) (-)



#45

1,2-Dichloropropane

Concen: 0.239 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.15 min

Lab File: VN052438.D

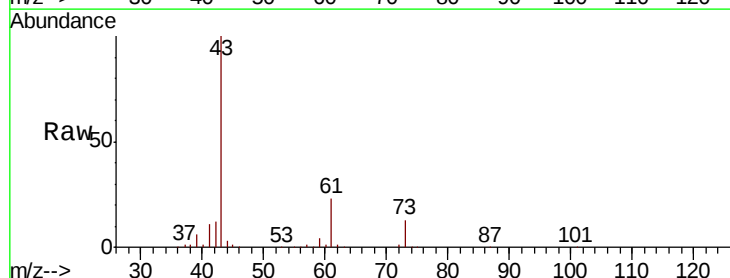
Acq: 21 Nov 2018 15:11

Tgt Ion: 63 Resp: 1012

Ion Ratio Lower Upper

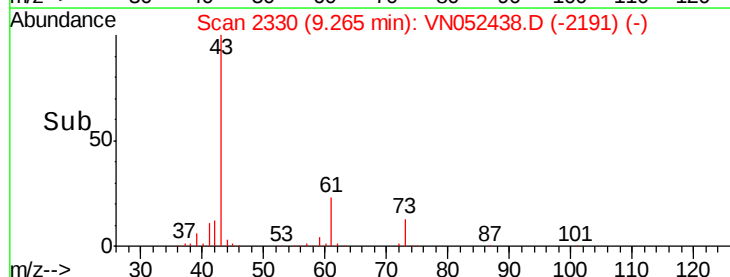
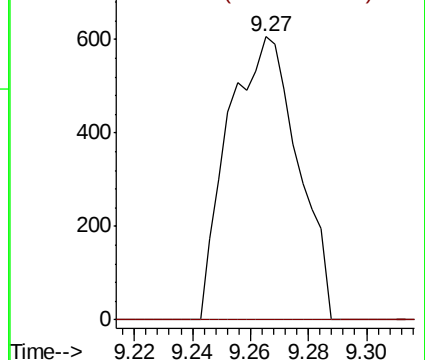
63 100

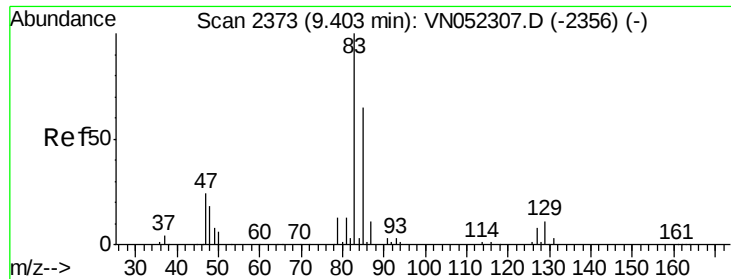
65 0.0 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VN052438.D (-2191) (-)

Ion 64.90 (64.60 to 65.60): VN052438.D (-2191) (-)





#47

Bromodichloromethane

Concen: 0.208 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN052438.D

Acq: 21 Nov 2018 15:11

Instrument :  
MSVOA\_N  
ClientSampleId :

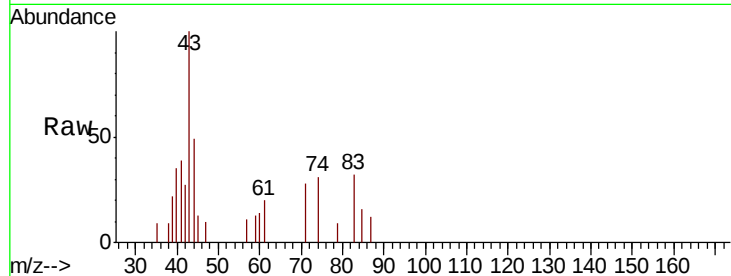
Tot Ion: 83 Resp: 1046

Ion Ratio Lower Upper

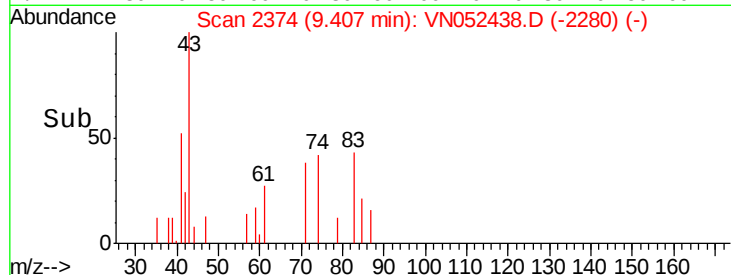
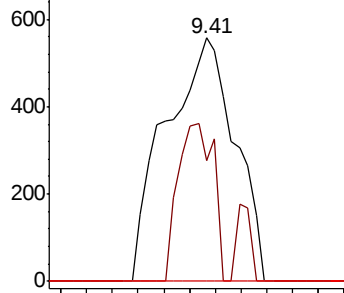
83 100

85 49.6 52.2 78.4#

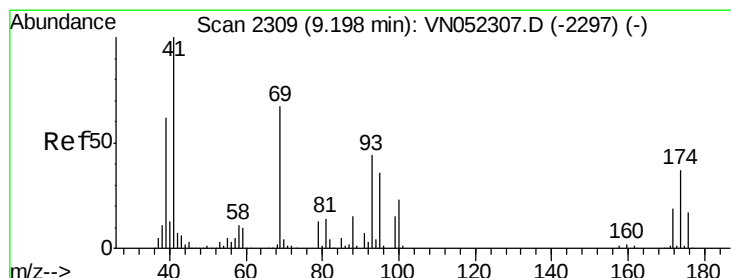
127 0.0 6.7 10.1#



Abundance Ion 82.90 (82.60 to 83.60): VNO  
Ion 84.90 (84.60 to 85.60): VNO  
Ion 126.80 (126.50 to 127.50): VNO



Time-->



#48

Methyl methacrylate

Concen: 1.634 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN052438.D

Acq: 21 Nov 2018 15:11

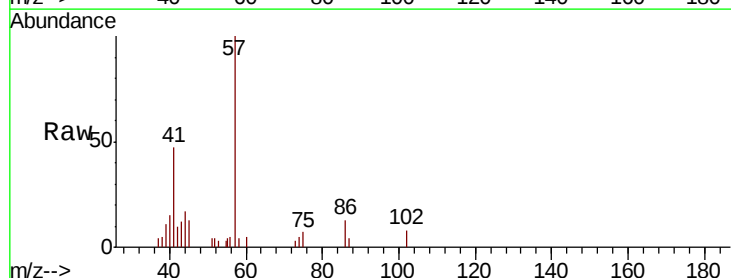
Tgt Ion: 41 Resp: 6064

Ion Ratio Lower Upper

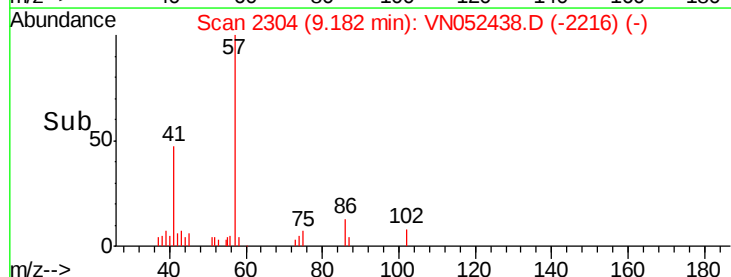
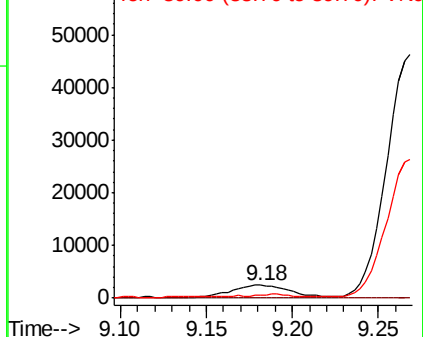
41 100

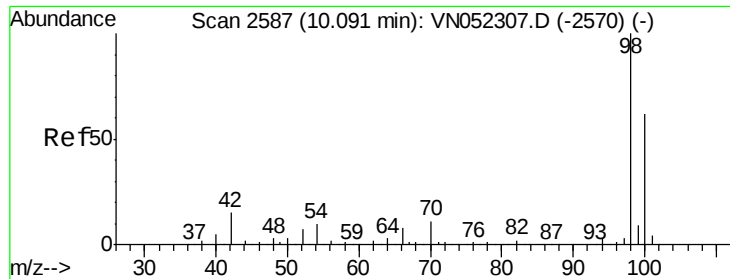
69 0.0 57.1 85.7#

39 0.0 52.5 78.7#



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052438.D

Acq: 21 Nov 2018 15:11

Instrument :

MSVOA\_N

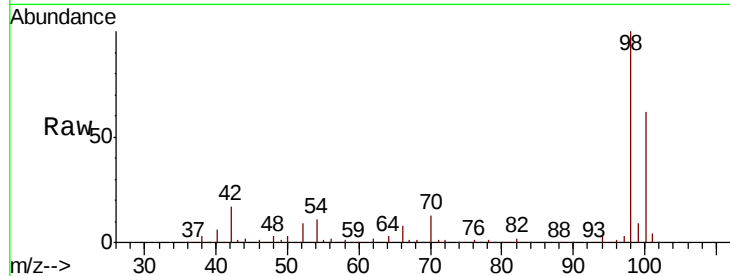
ClientSampled :

Tot Ion: 98 Resp: 671306

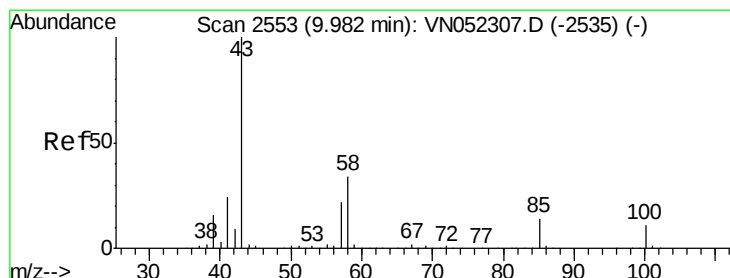
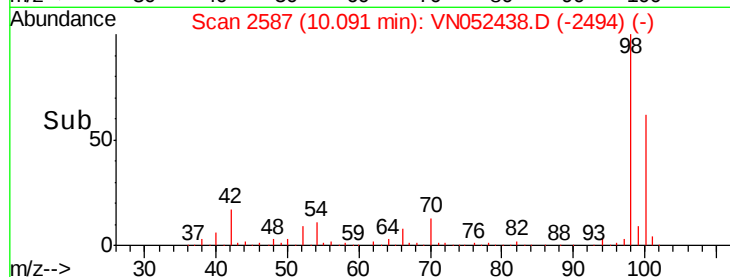
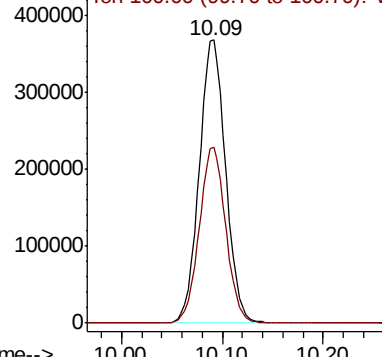
Ion Ratio Lower Upper

98 100

100 62.1 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN052307.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.227 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.05 min

Lab File: VN052438.D

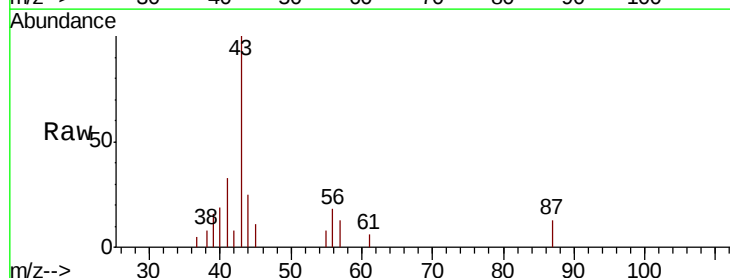
Acq: 21 Nov 2018 15:11

Tgt Ion: 43 Resp: 4517

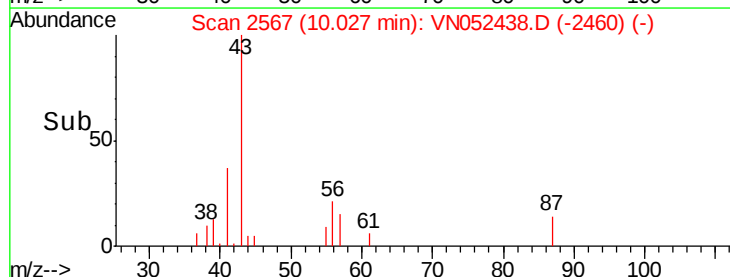
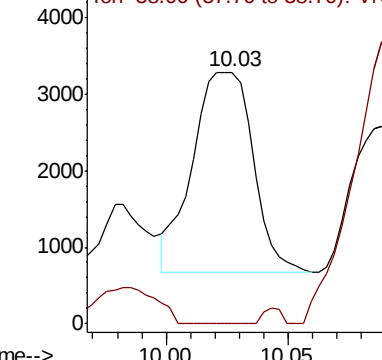
Ion Ratio Lower Upper

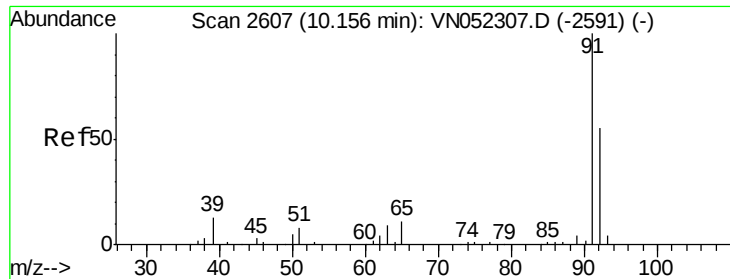
43 100

58 0.0 27.0 40.6#



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-2535) (-)





#52

Toluene

Concen: 0.297 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN052438.D

Acq: 21 Nov 2018 15:11

Instrument :

MSVOA\_N

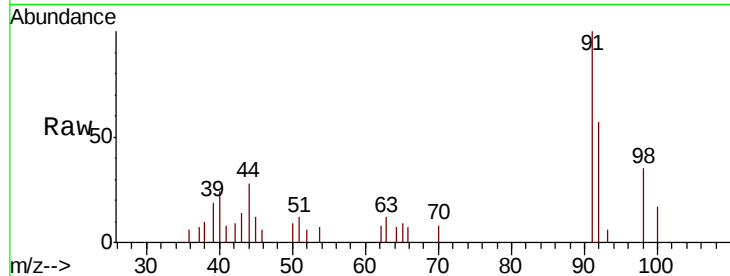
ClientSampled :

Tot Ion: 92 Resp: 2652

Ion Ratio Lower Upper

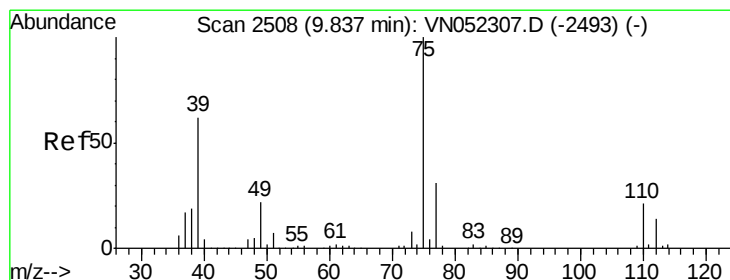
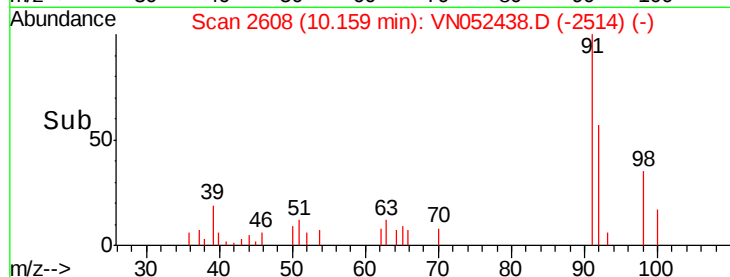
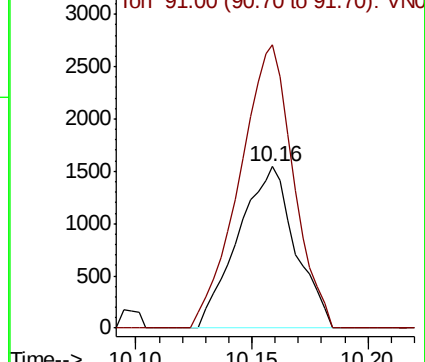
92 100

91 165.3 143.6 215.4



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: 4.990 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052438.D

Acq: 21 Nov 2018 15:11

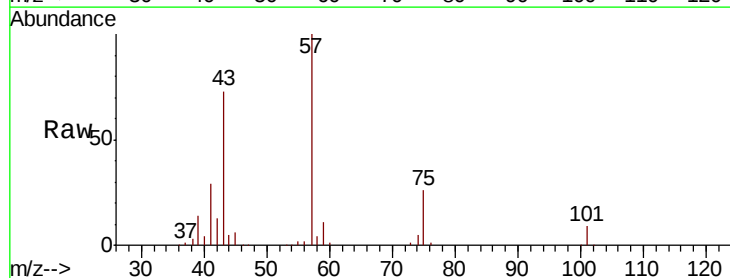
Tgt Ion: 75 Resp: 28847

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

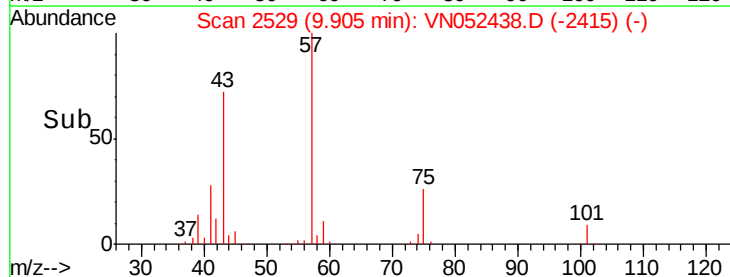
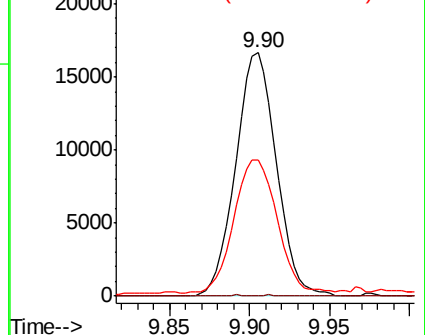
39 54.2 49.9 74.9

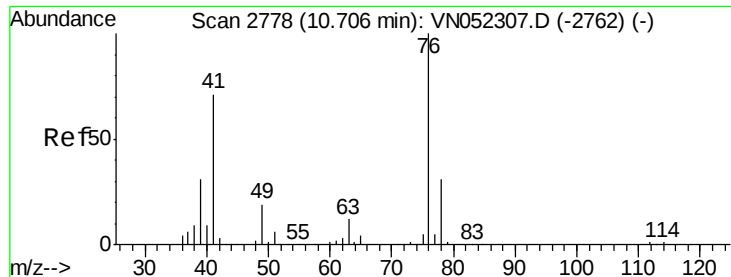


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.985 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN052438.D

Acq: 21 Nov 2018 15:11

Instrument :

MSVOA\_N

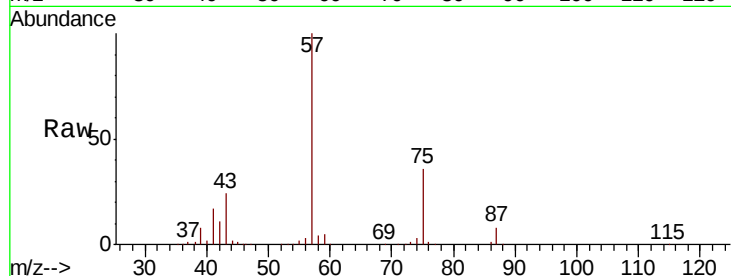
ClientSampleId :

Tot Ion: 76 Resp: 5643

Ion Ratio Lower Upper

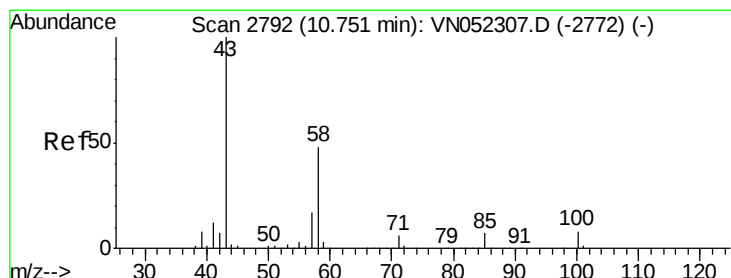
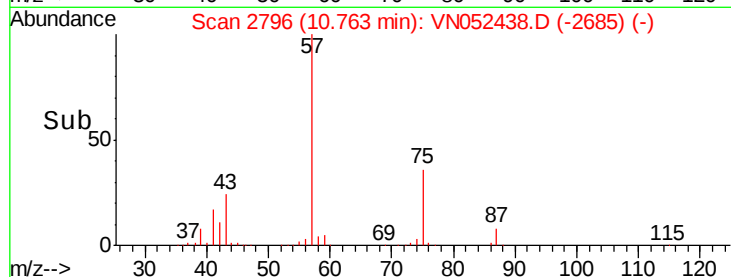
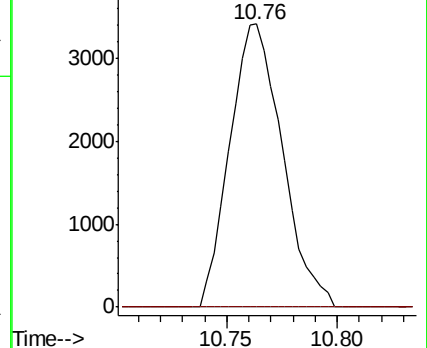
76 100

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: 42.285 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052438.D

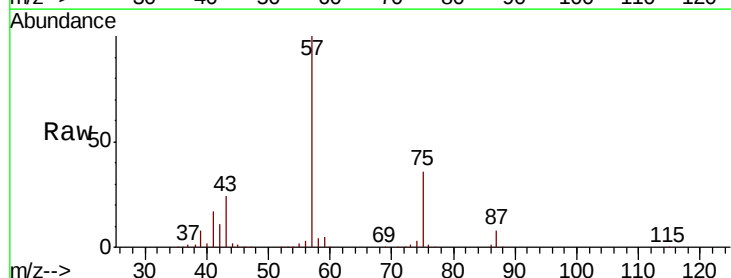
Acq: 21 Nov 2018 15:11

Tgt Ion: 43 Resp: 107047

Ion Ratio Lower Upper

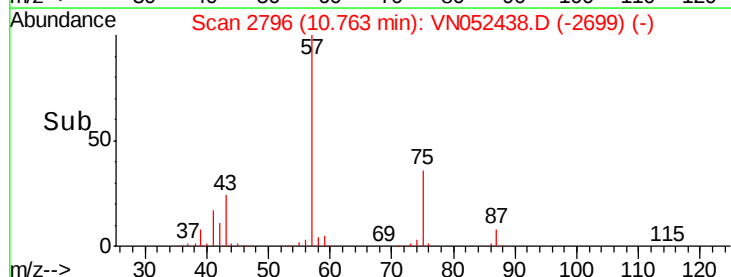
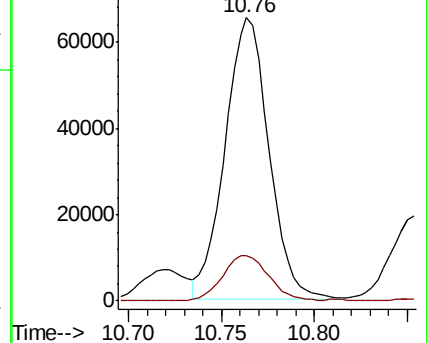
43 100

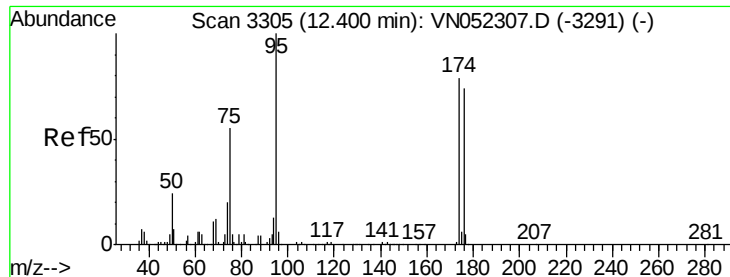
58 17.1 23.5 70.6#



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: VN052438.D

Acq: 21 Nov 2018 15:11

Instrument :

MSVOA\_N

ClientSampleId :

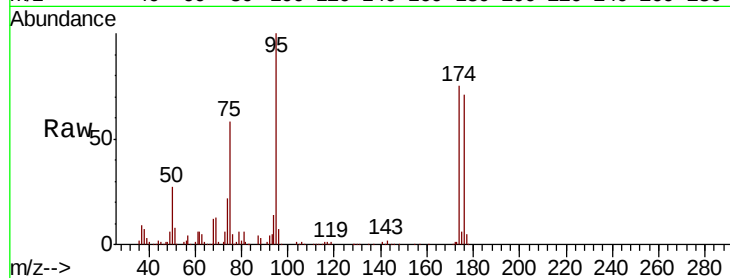
Tot Ion: 95 Resp: 194292

Ion Ratio Lower Upper

95 100

174 74.6 0.0 156.0

176 71.3 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052438.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN052438.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN052438.D (-2903) (-)

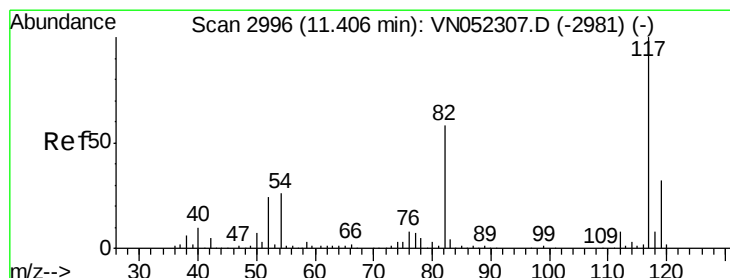
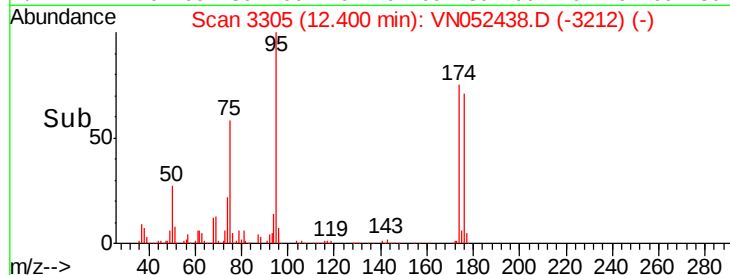
12.40

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052438.D

Acq: 21 Nov 2018 15:11

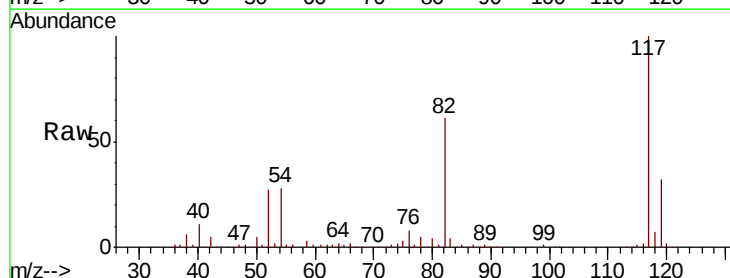
Tgt Ion: 117 Resp: 444166

Ion Ratio Lower Upper

117 100

82 60.6 46.5 69.7

119 31.8 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VN052438.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052438.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052438.D (-2903) (-)

11.41

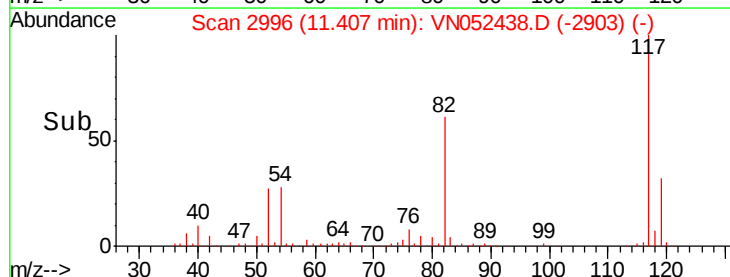
300000

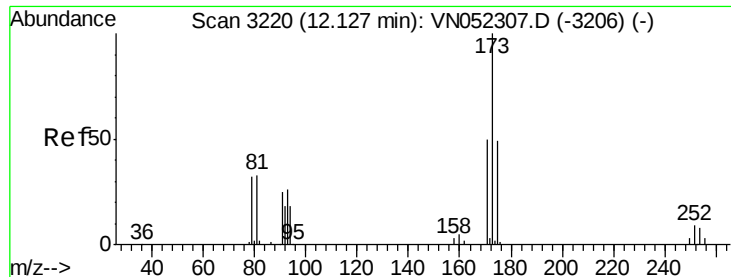
200000

100000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.462 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN052438.D

Acq: 21 Nov 2018 15:11

Instrument :

MSVOA\_N

ClientSampled :

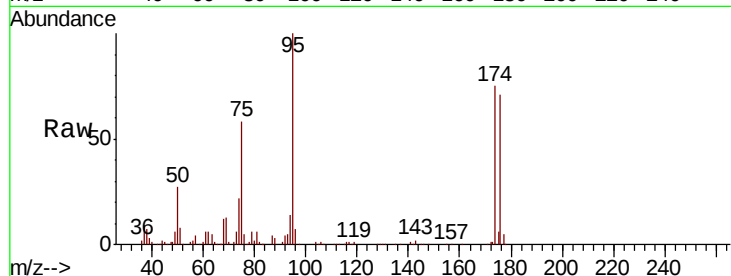
Tot Ion:173 Resp: 873

Ion Ratio Lower Upper

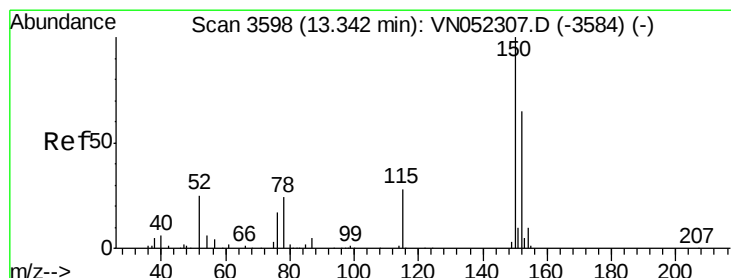
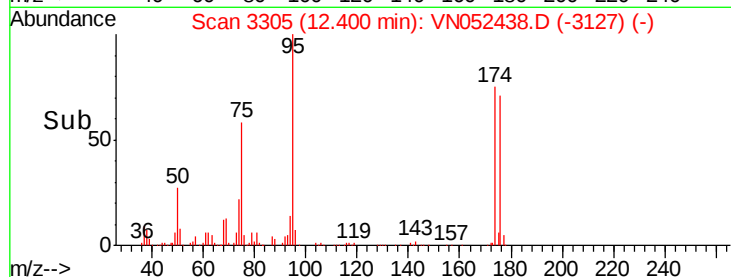
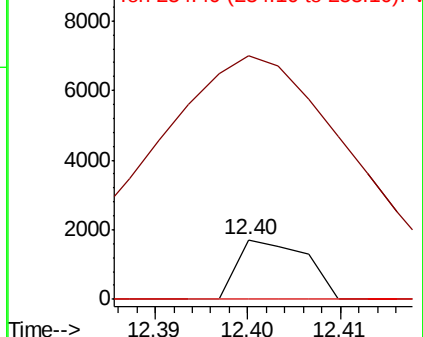
173 100

175 1188.0 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: VN052438.D

Acq: 21 Nov 2018 15:11

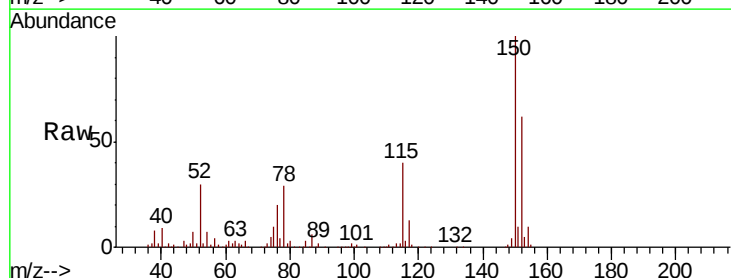
Tgt Ion:152 Resp: 147590

Ion Ratio Lower Upper

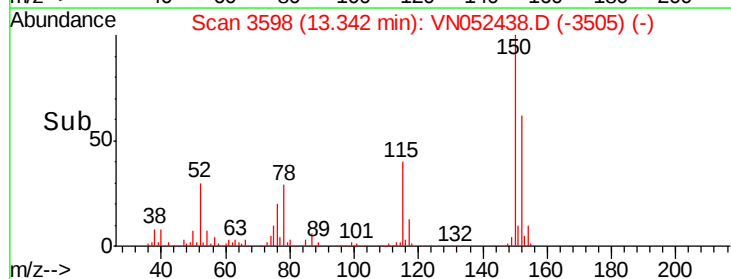
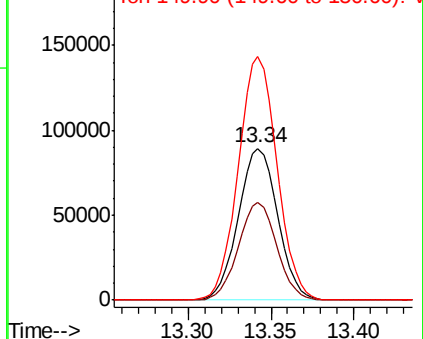
152 100

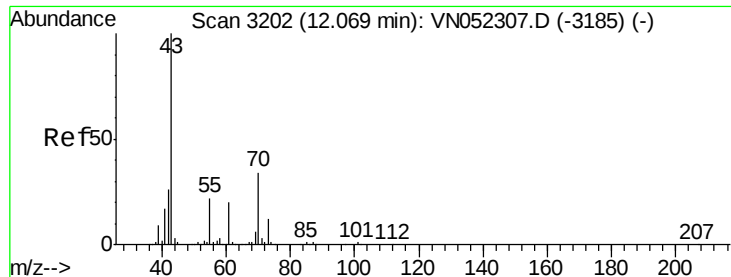
115 62.7 30.3 91.0

150 157.9 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 2.578 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052438.D

Acq: 21 Nov 2018 15:11

Instrument :

MSVOA\_N

ClientSampled :

Tot Ion: 43 Resp: 10894

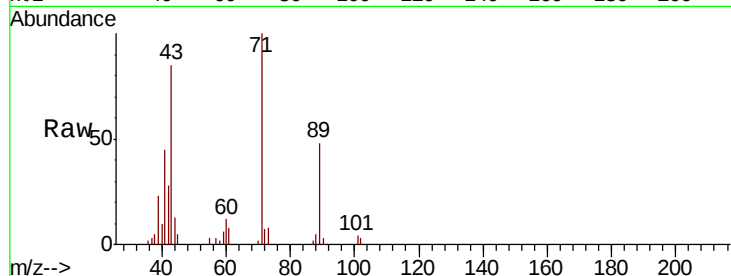
Ion Ratio Lower Upper

43 100

70 1.9 27.1 40.7#

55 2.5 17.4 26.0#

61 11.0 16.1 24.1#

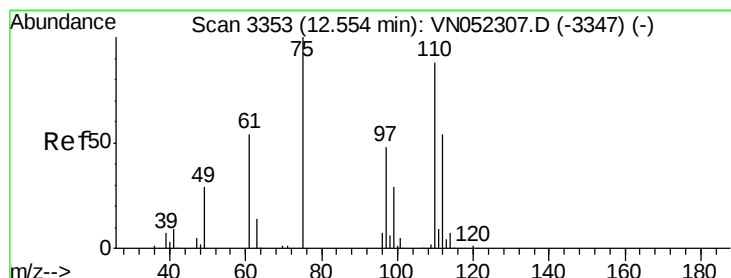
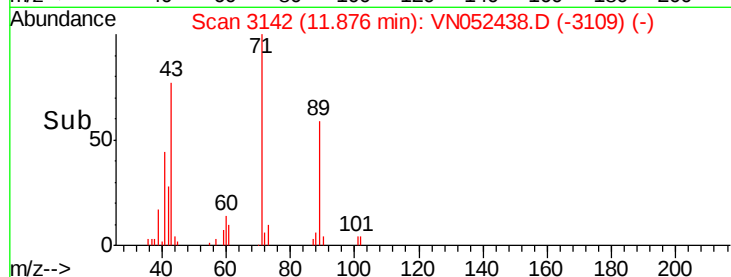
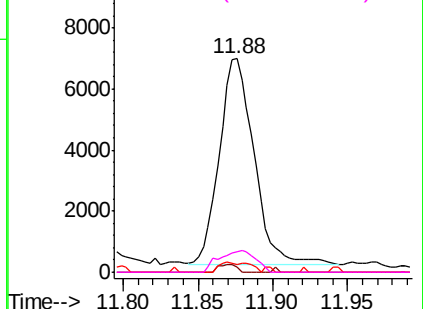


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 44.733 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052438.D

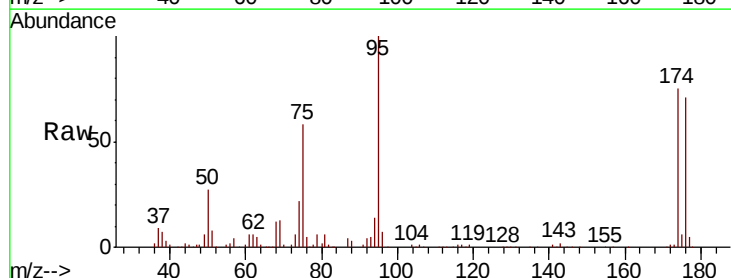
Acq: 21 Nov 2018 15:11

Tgt Ion: 75 Resp: 112026

Ion Ratio Lower Upper

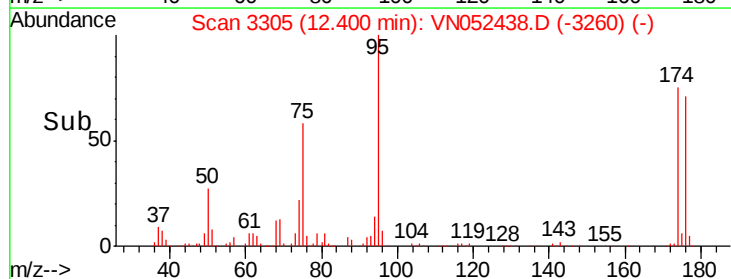
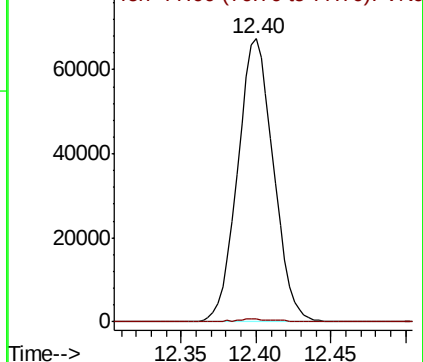
75 100

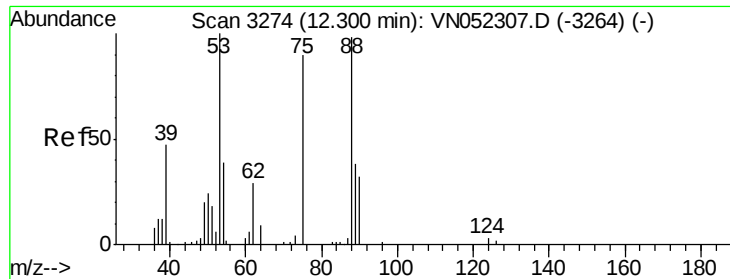
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 145.086 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052438.D

Acq: 21 Nov 2018 15:11

Instrument :

MSVOA\_N

ClientSampled :

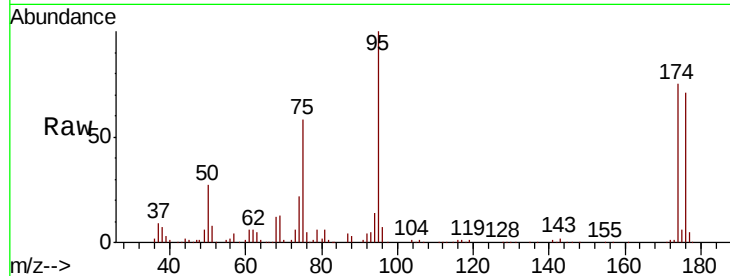
Tot Ion: 75 Resp: 112026

Ion Ratio Lower Upper

75 100

53 0.0 90.2 135.2#

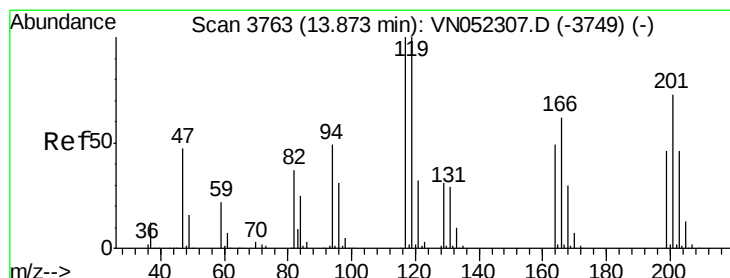
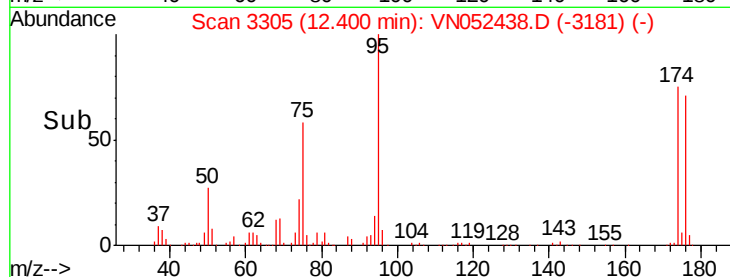
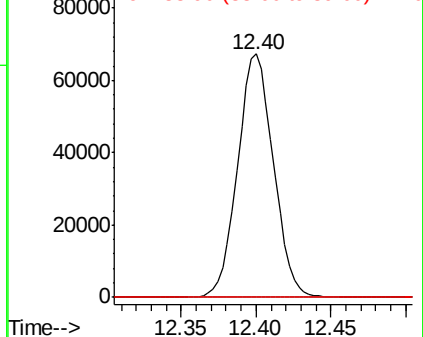
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#90

Hexachloroethane

Concen: 0.264 ug/l

RT: 13.99 min Scan# 3801

Delta R.T. 0.12 min

Lab File: VN052438.D

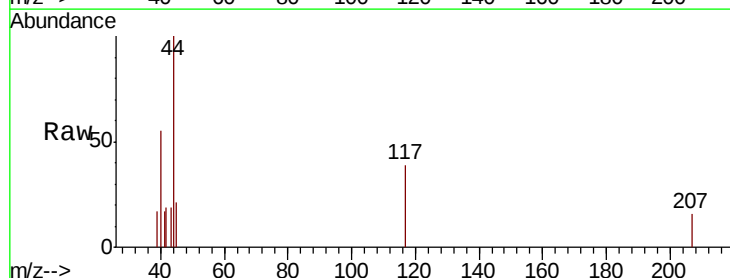
Acq: 21 Nov 2018 15:11

Tgt Ion: 117 Resp: 450

Ion Ratio Lower Upper

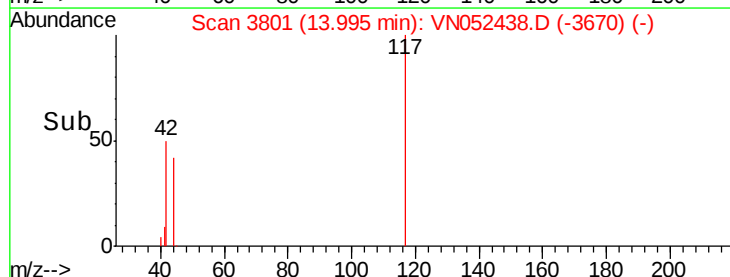
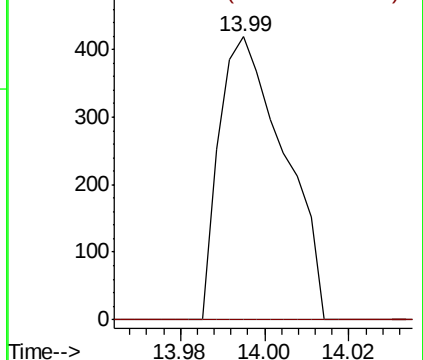
117 100

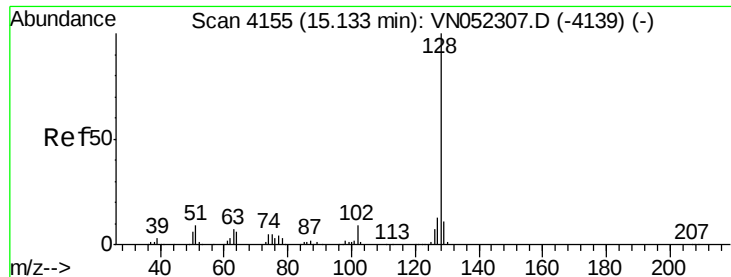
201 0.0 35.3 105.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 2.944 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

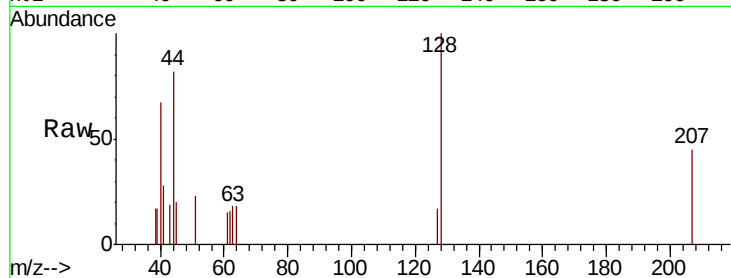
Lab File: VN052438.D

Acq: 21 Nov 2018 15:11

Instrument :

MSVOA\_N

ClientSampleId :



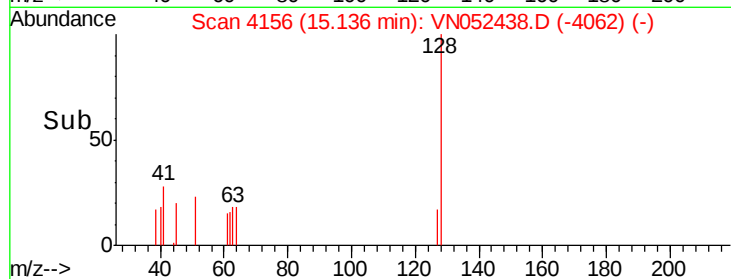
Tot Ion:128 Resp: 1872

Ion Ratio Lower Upper

128 100

127 3.7 10.4 15.6#

129 0.0 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

