

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\  
 Data File : VN050966.D  
 Acq On : 30 Aug 2018 16:41  
 Operator : MD\SY  
 Sample : J4275-20  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-02-082918-A

Quant Time: Aug 31 01:37:40 2018  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 22 05:38:12 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 587470   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 983146   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 800430   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 277877   | 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   | 392102   | 55.44 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 110.88% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 372898   | 47.68 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.36%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1310089  | 44.80 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.60%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 341685   | 35.16 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 70.32%  |          |

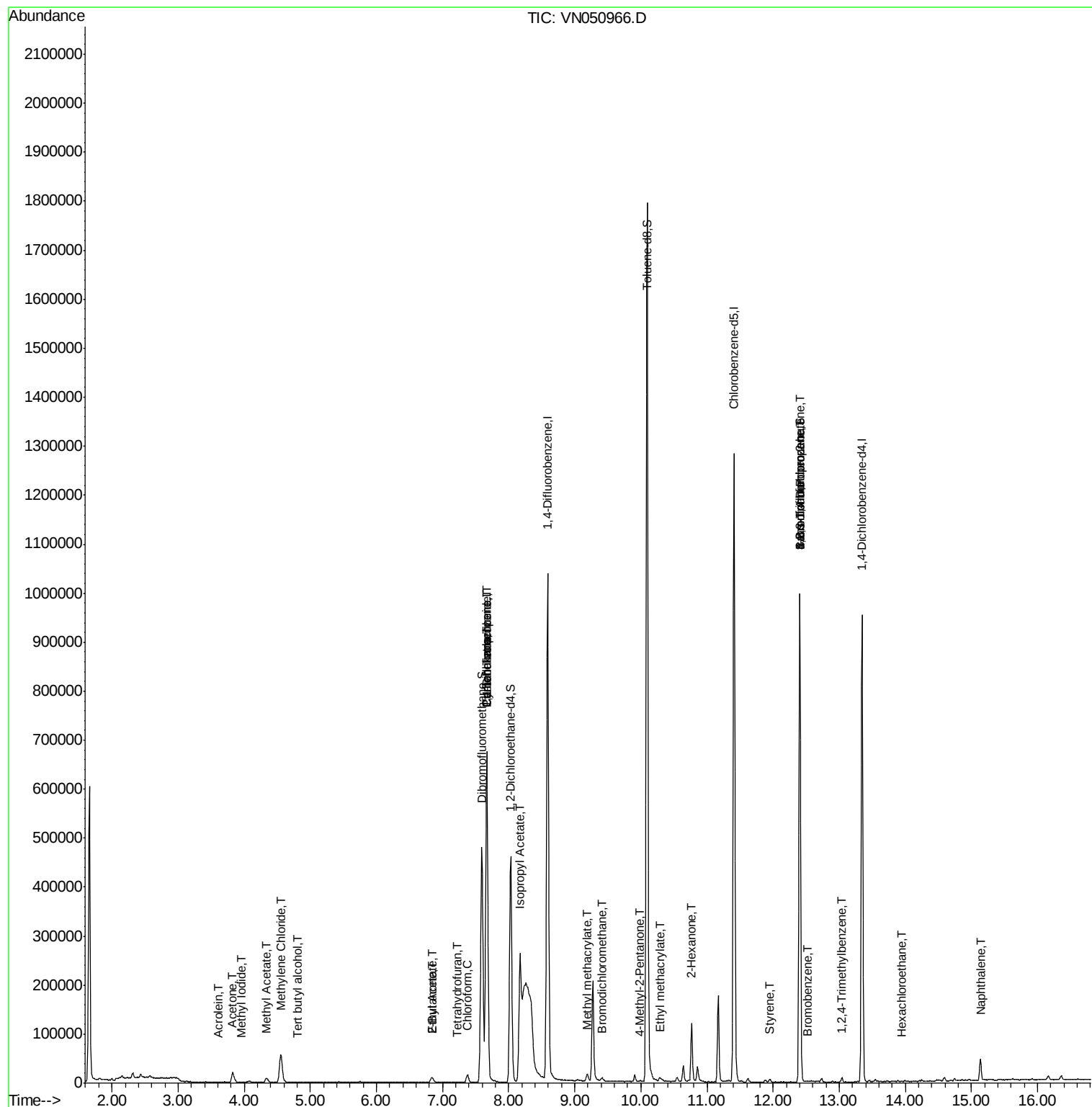
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 5) Bromomethane                | 2.57  | 94   | 2069     | Below Cal |        | 98     |
| 10) Methyl Iodide              | 3.95  | 142  | 215      | 6.37      | ug/l # | 43     |
| 11) Tert butyl alcohol         | 4.79  | 59   | 846      | 1.88      | ug/l # | 72     |
| 13) Acrolein                   | 3.61  | 56   | 131      | 18.38     | ug/l # | 40     |
| 16) Acetone                    | 3.82  | 43   | 34331    | 13.83     | ug/l   | 96     |
| 18) Methyl Acetate             | 4.34  | 43   | 18462    | 2.76      | ug/l   | 91     |
| 20) Methylene Chloride         | 4.55  | 84   | 45910    | 5.76      | ug/l   | 96     |
| 25) 2-Butanone                 | 6.85  | 43   | 7819     | 2.74      | ug/l   | 90     |
| 29) Tetrahydrofuran            | 7.22  | 42   | 736      | 0.45      | ug/l # | 52     |
| 30) Chloroform                 | 7.38  | 83   | 17852    | 1.37      | ug/l   | 92     |
| 31) Cyclohexane                | 7.67  | 56   | 10141    | 1.30      | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 39080    | 3.37      | ug/l # | 49     |
| 37) Ethyl Acetate              | 6.85  | 43   | 7819     | 1.17      | ug/l # | 67     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 53854    | 4.59      | ug/l # | 18     |
| 43) Isopropyl Acetate          | 8.17  | 43   | 326961   | 28.53     | ug/l # | 90     |
| 47) Bromodichloromethane       | 9.41  | 83   | 4091     | 0.36      | ug/l   | 98     |
| 48) Methyl methacrylate        | 9.18  | 41   | 8818     | 1.51      | ug/l # | 17     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 2150     | 0.31      | ug/l # | 80     |
| 56) Ethyl methacrylate         | 10.28 | 69   | 272      | 2.38      | ug/l # | 1      |
| 59) 2-Hexanone                 | 10.77 | 43   | 16263    | 3.57      | ug/l # | 58     |
| 70) Styrene                    | 11.96 | 104  | 337      | 1.29      | ug/l # | 16     |
| 71) Bromoform                  | 12.41 | 173  | 1102     | 0.21      | ug/l # | 1      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.41 | 83   | 221      | Below Cal | #      | 1      |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 160200   | 32.92     | ug/l # | 100    |
| 77) Bromobenzene               | 12.53 | 156  | 1361     | 0.22      | ug/l # | 1      |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 160200   | 111.27    | ug/l # | 15     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 5645     | 0.30      | ug/l   | 98     |
| 90) Hexachloroethane           | 13.94 | 117  | 426      | 0.31      | ug/l # | 4      |
| 95) Naphthalene                | 15.14 | 128  | 38231    | 8.47      | ug/l   | 98     |

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

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Quant Title : SW846 8260  
QLast Update : Wed Aug 22 05:38:12 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050966.D

Acq: 30 Aug 2018 16:41

Instrument :

MSVOA\_N

ClientSampleId :

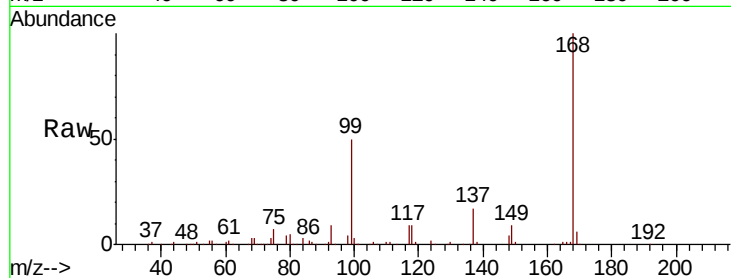
CL-02-082918-A

Tot Ion:168 Resp: 587470

Ion Ratio Lower Upper

168 100

99 50.0 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

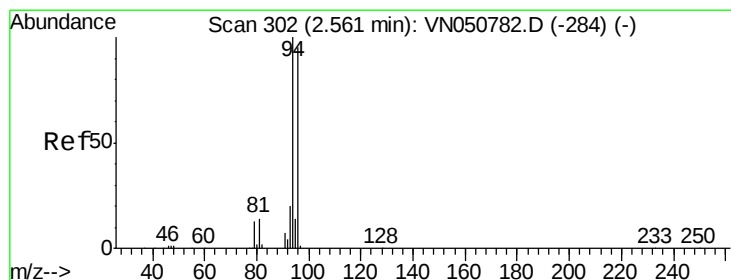
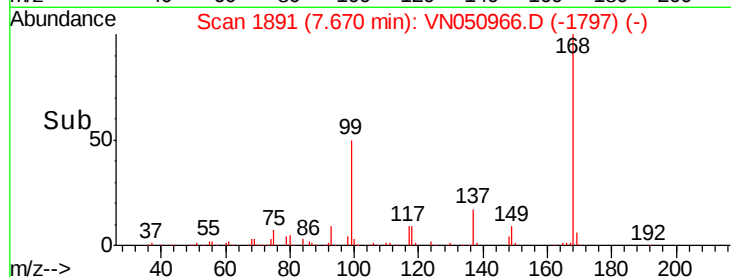
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050966.D

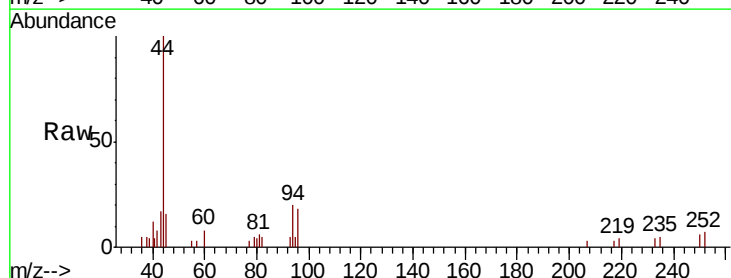
Acq: 30 Aug 2018 16:41

Tgt Ion: 94 Resp: 2069

Ion Ratio Lower Upper

94 100

96 92.9 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

1200

1000

800

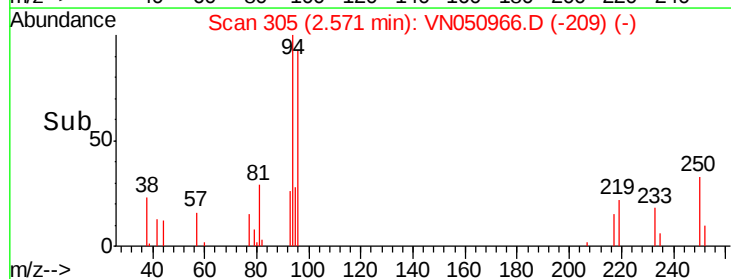
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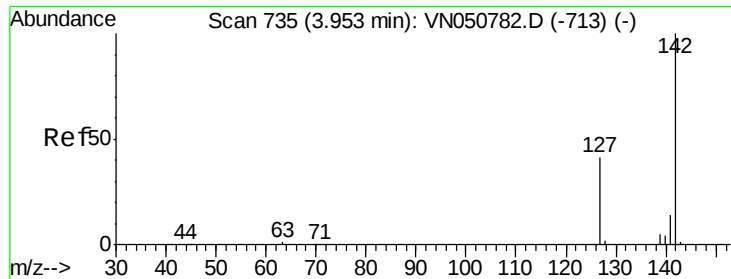
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200

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Time-->

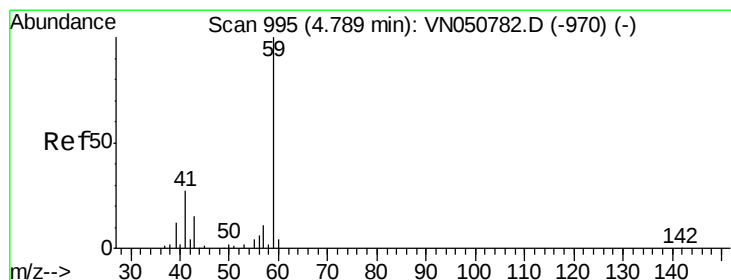
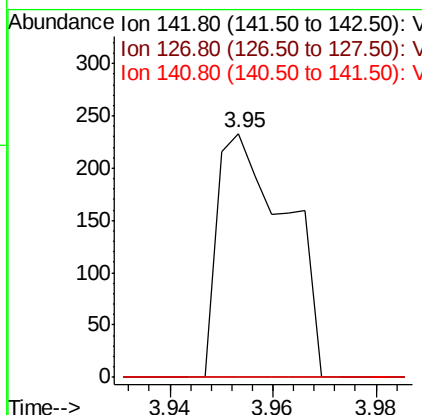
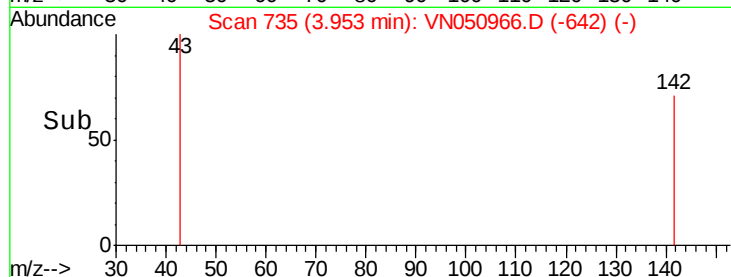
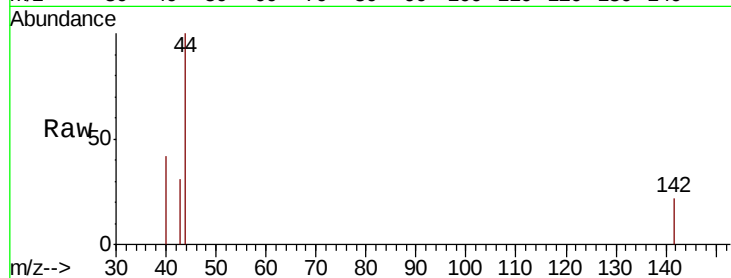




#10  
Methvl Iodide  
Concen: 6.37 ug/l  
RT: 3.95 min Scan# 735  
Delta R.T. 0.00 min  
Lab File: VN050966.D  
Acq: 30 Aug 2018 16:41

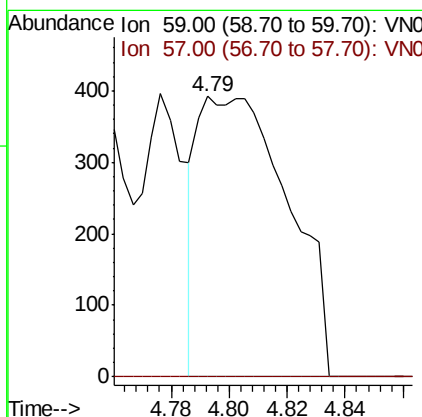
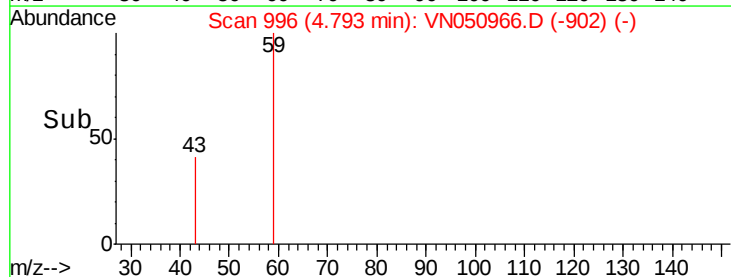
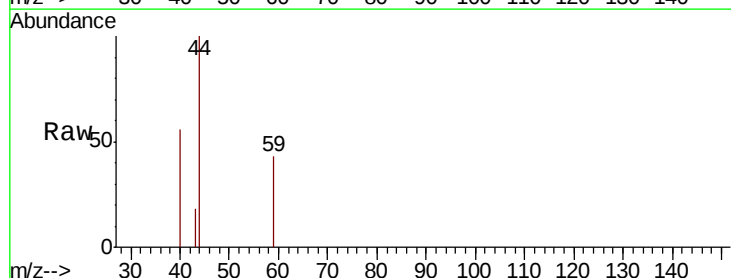
Instrument :  
MSVOA\_N  
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CL-02-082918-A

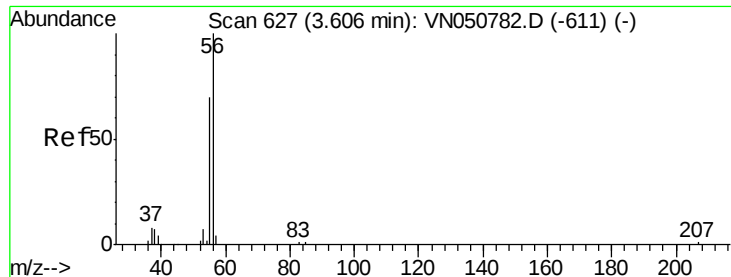
Tot Ion:142 Resp: 215  
Ion Ratio Lower Upper  
142 100  
127 0.0 31.7 47.5#  
141 0.0 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 1.88 ug/l  
RT: 4.79 min Scan# 996  
Delta R.T. 0.00 min  
Lab File: VN050966.D  
Acq: 30 Aug 2018 16:41

Tgt Ion: 59 Resp: 846  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 18.38 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN050966.D

Acq: 30 Aug 2018 16:41

Instrument :

MSVOA\_N

ClientSampleId :

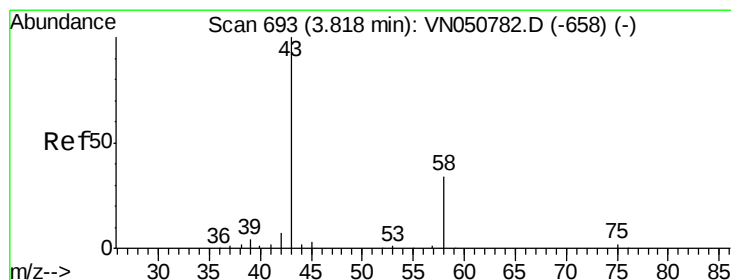
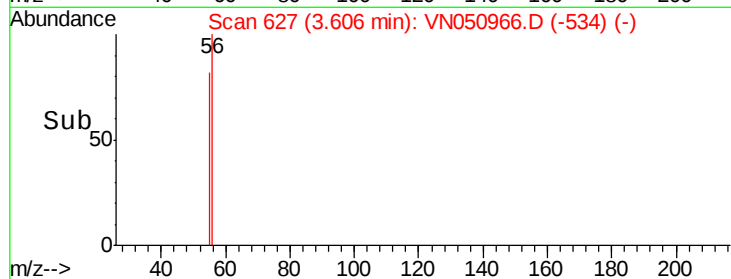
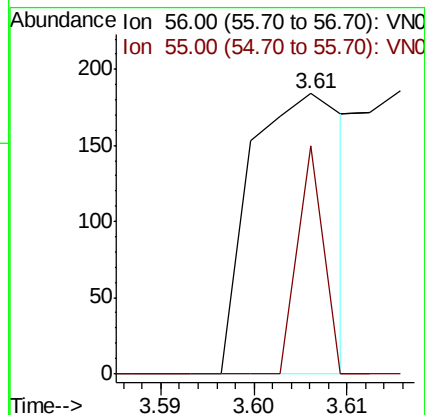
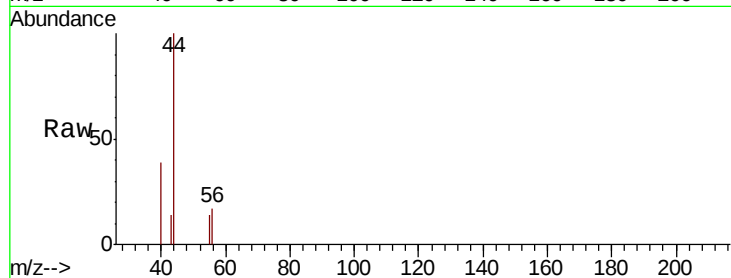
CL-02-082918-A

Tot Ion: 56 Resp: 131

Ion Ratio Lower Upper

56 100

55 22.1 57.7 86.5#



#16

Acetone

Concen: 13.83 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050966.D

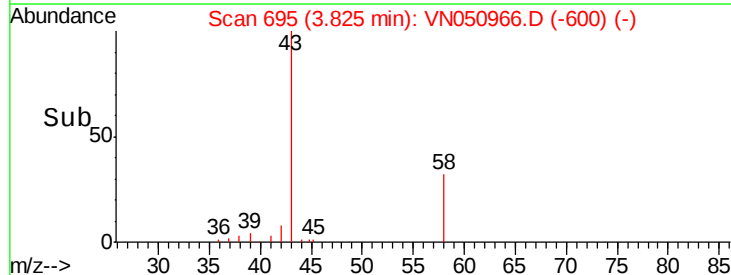
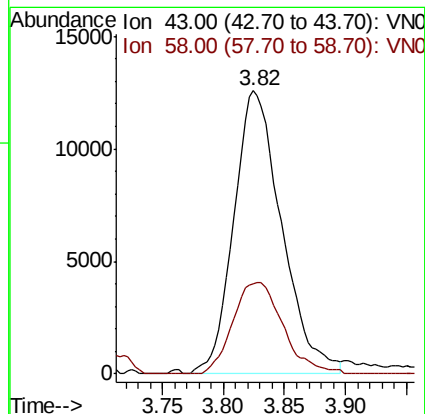
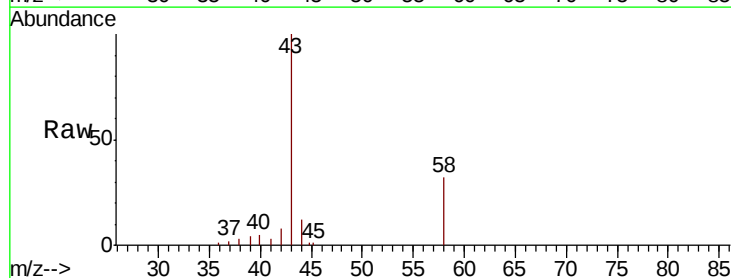
Acq: 30 Aug 2018 16:41

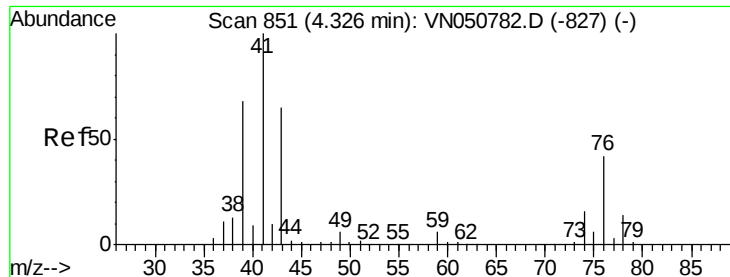
Tgt Ion: 43 Resp: 34331

Ion Ratio Lower Upper

43 100

58 31.8 27.2 40.8

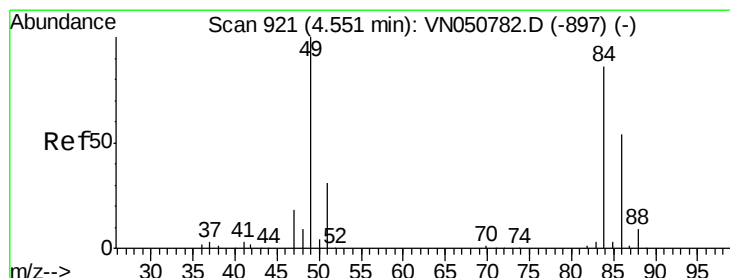
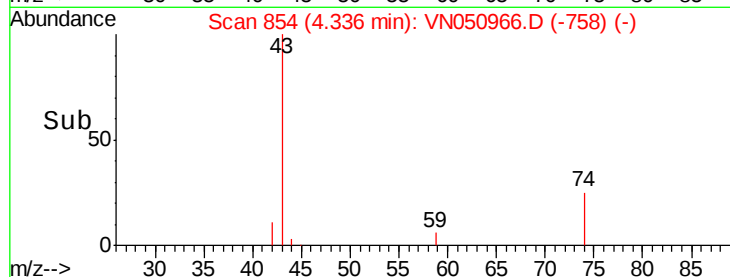
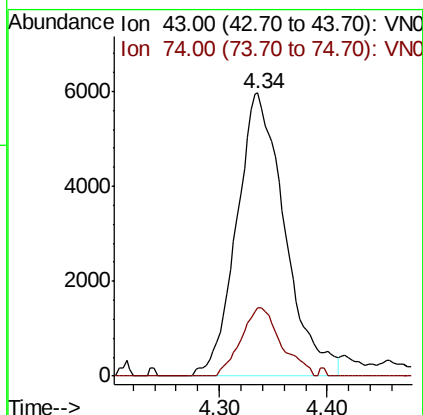
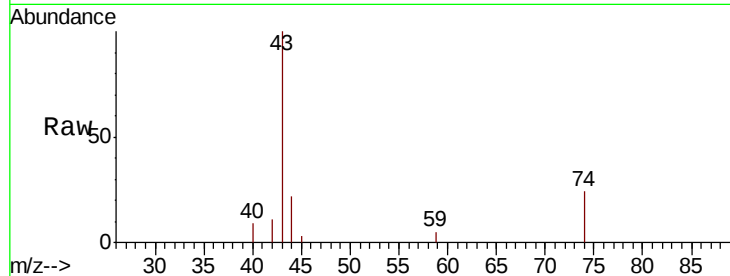




#18  
Methyl Acetate  
Concen: 2.76 ug/l  
RT: 4.34 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: VN050966.D  
Acq: 30 Aug 2018 16:41

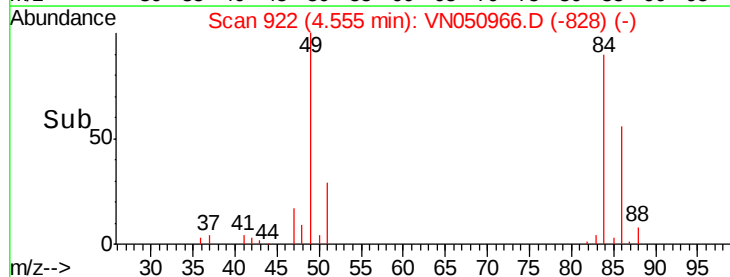
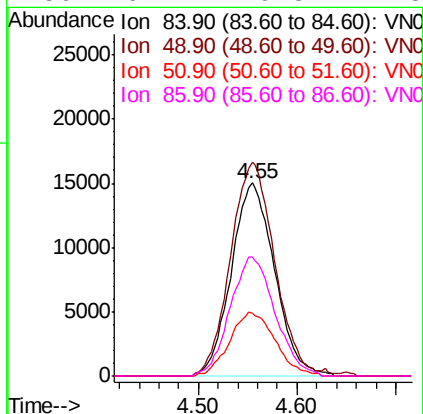
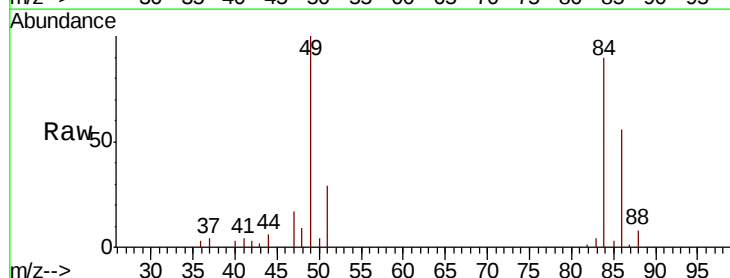
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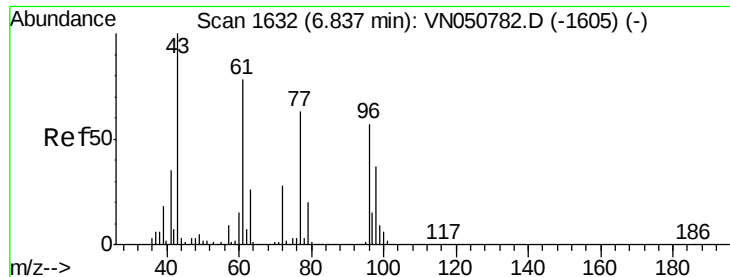
Tot Ion: 43 Resp: 18462  
Ion Ratio Lower Upper  
43 100  
74 20.1 19.8 29.8



#20  
Methylene Chloride  
Concen: 5.76 ug/l  
RT: 4.55 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VN050966.D  
Acq: 30 Aug 2018 16:41

Tgt Ion: 84 Resp: 45910  
Ion Ratio Lower Upper  
84 100  
49 110.7 93.2 139.8  
51 32.5 29.0 43.6  
86 61.7 49.8 74.8

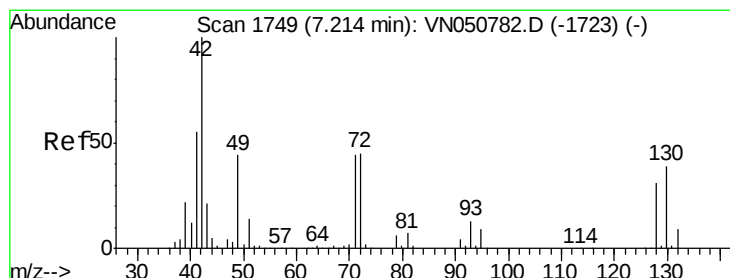
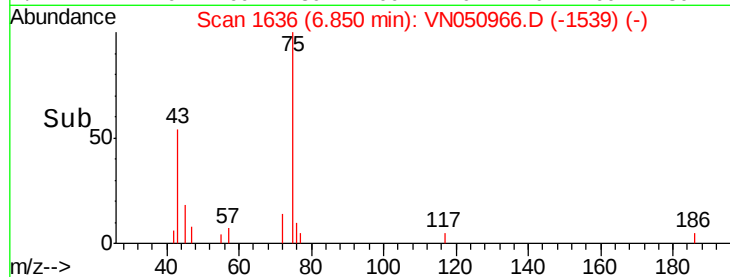
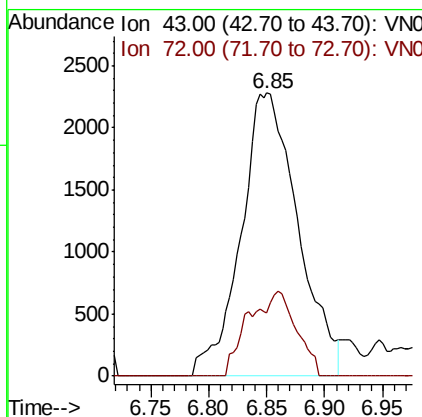
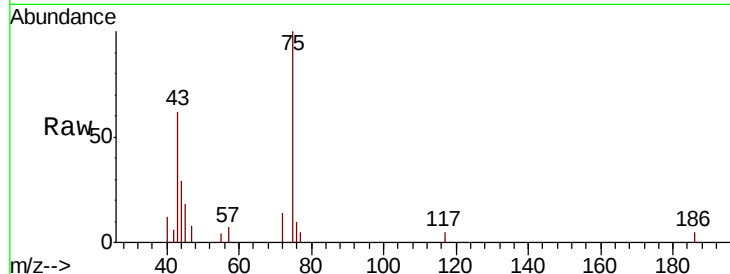




#25  
2-Butanone  
Concen: 2.74 ug/l  
RT: 6.85 min Scan# 1636  
Delta R.T. 0.01 min  
Lab File: VN050966.D  
Acq: 30 Aug 2018 16:41

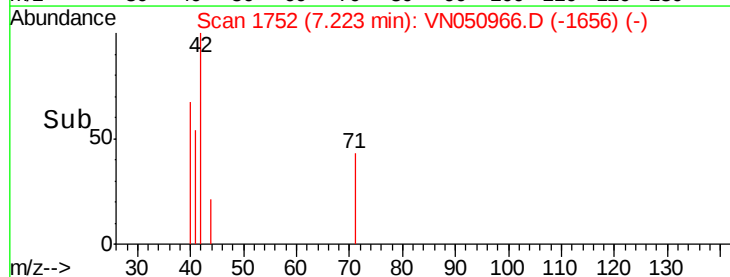
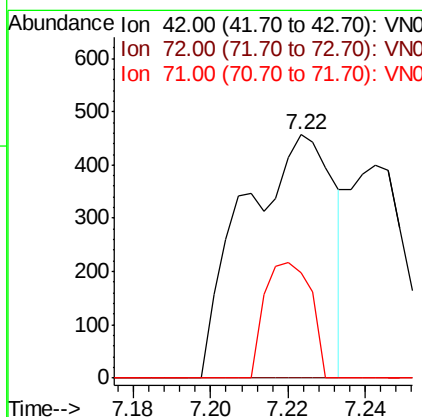
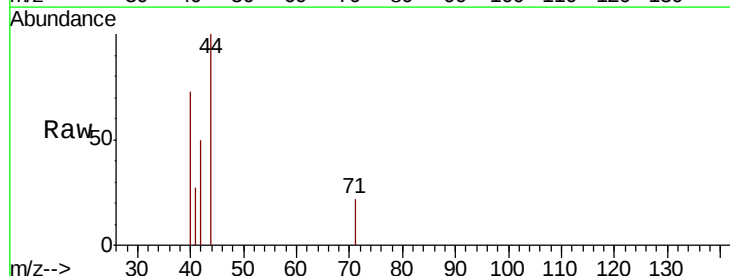
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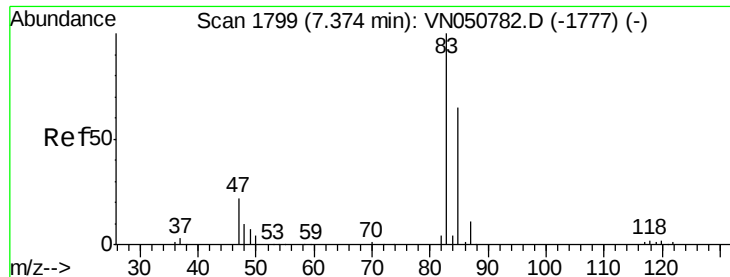
Tot Ion: 43 Resp: 7819  
Ion Ratio Lower Upper  
43 100  
72 22.5 22.3 33.5



#29  
Tetrahydrofuran  
Concen: 0.45 ug/l  
RT: 7.22 min Scan# 1752  
Delta R.T. 0.01 min  
Lab File: VN050966.D  
Acq: 30 Aug 2018 16:41

Tgt Ion: 42 Resp: 736  
Ion Ratio Lower Upper  
42 100  
72 0.0 35.5 53.3#  
71 24.7 33.7 50.5#

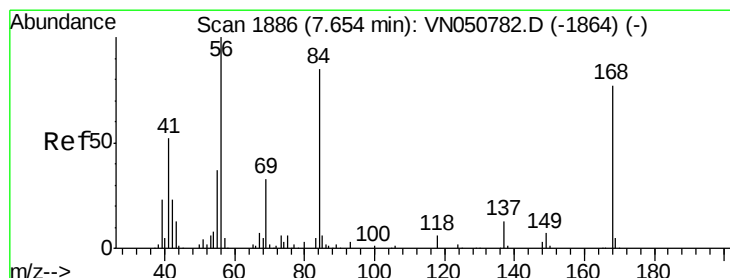
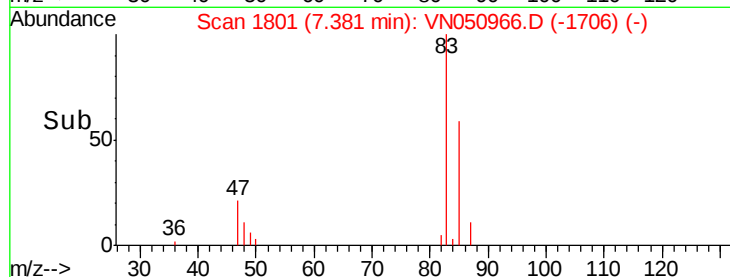
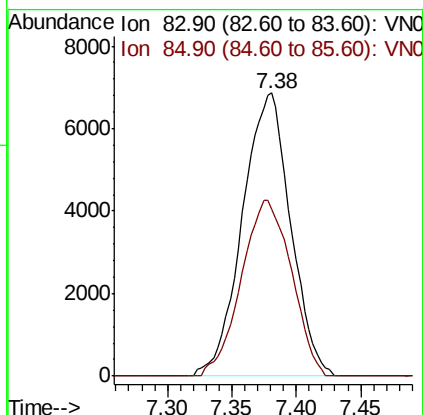
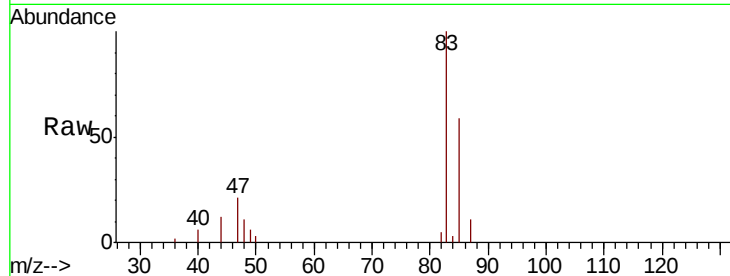




#30  
Chloroform  
Concen: 1.37 ug/l  
RT: 7.38 min Scan# 1801  
Delta R.T. 0.01 min  
Lab File: VN050966.D  
Acq: 30 Aug 2018 16:41

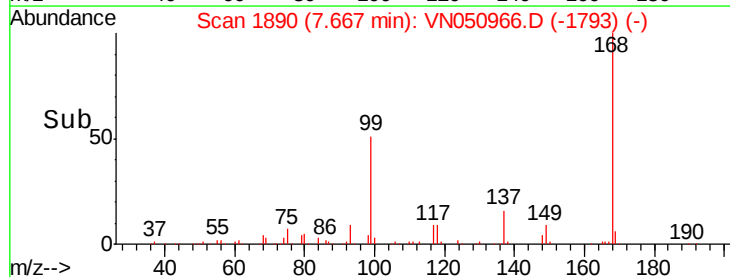
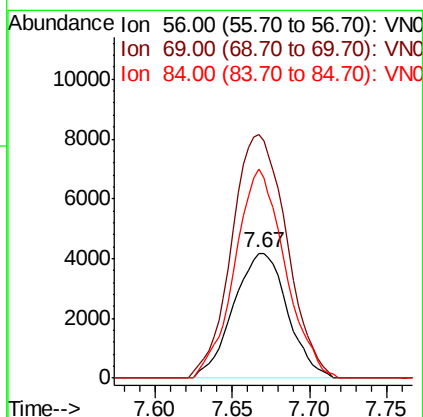
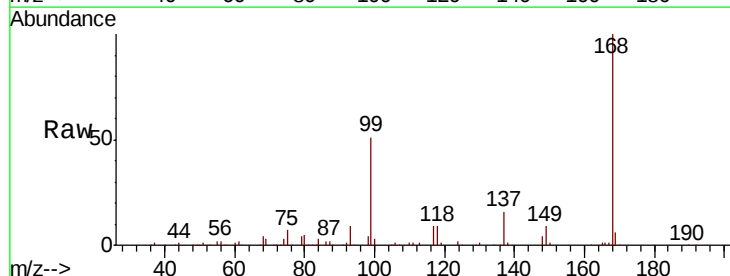
Instrument :  
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ClientSampleId :  
CL-02-082918-A

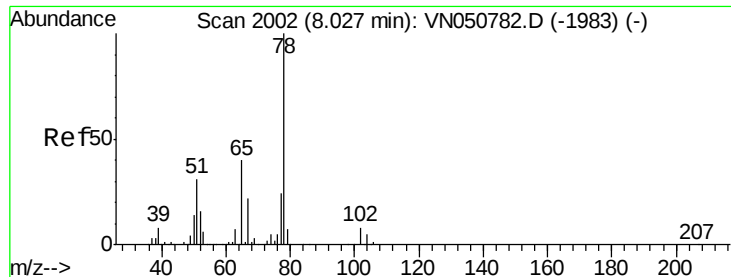
Tot Ion: 83 Resp: 17852  
Ion Ratio Lower Upper  
83 100  
85 59.0 52.2 78.4



#31  
Cyclohexane  
Concen: 1.30 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. 0.01 min  
Lab File: VN050966.D  
Acq: 30 Aug 2018 16:41

Tgt Ion: 56 Resp: 10141  
Ion Ratio Lower Upper  
56 100  
69 195.0 26.2 39.4#  
84 167.0 68.3 102.5#

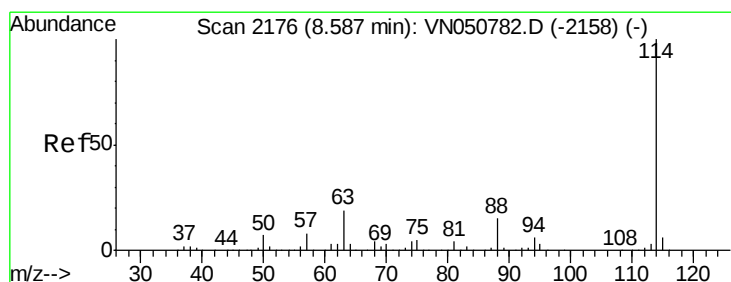
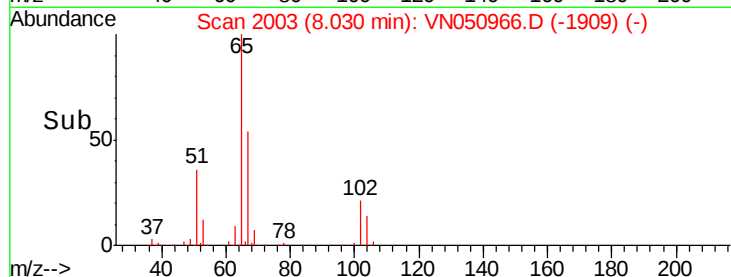
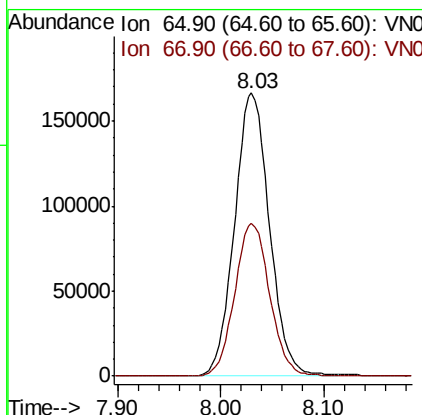
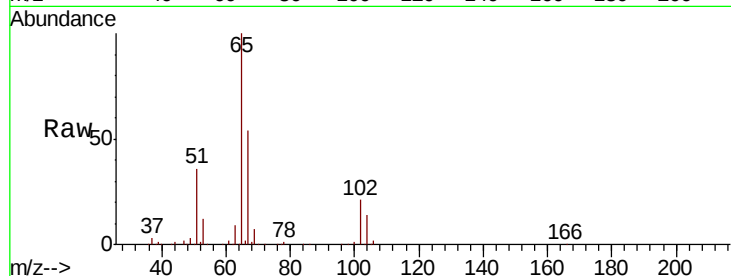




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.44 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN050966.D  
 Acq: 30 Aug 2018 16:41

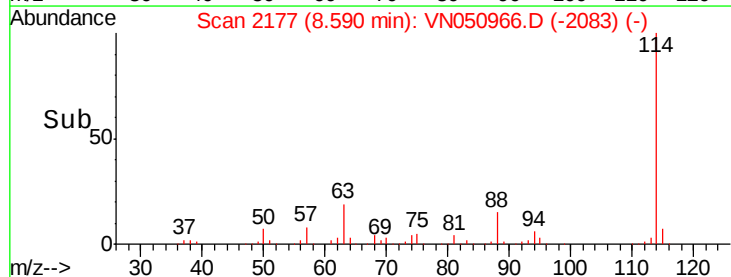
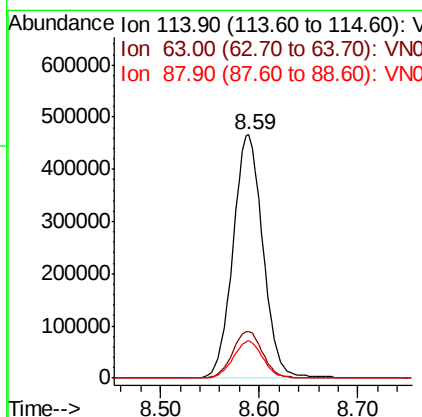
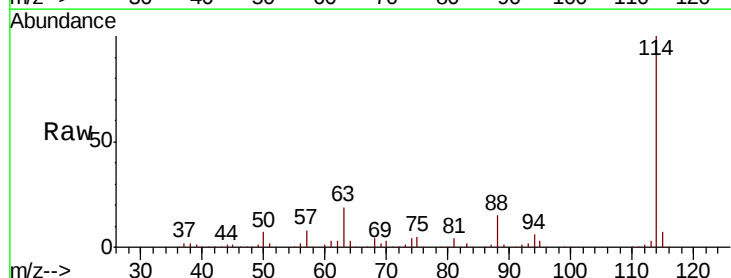
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-02-082918-A

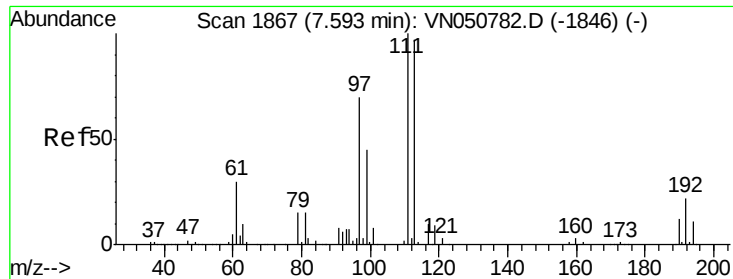
Tot Ion: 65 Resp: 392102  
 Ion Ratio Lower Upper  
 65 100  
 67 54.1 0.0 110.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050966.D  
 Acq: 30 Aug 2018 16:41

Tgt Ion: 114 Resp: 983146  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 38.6  
 88 15.3 0.0 30.6

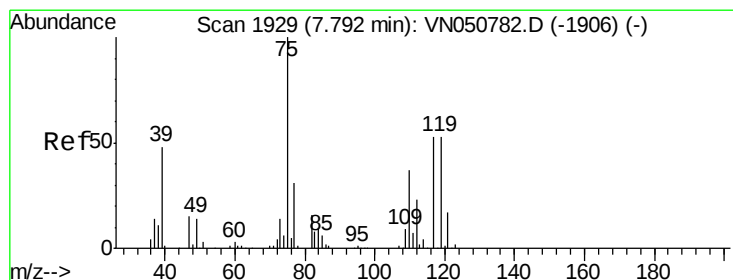
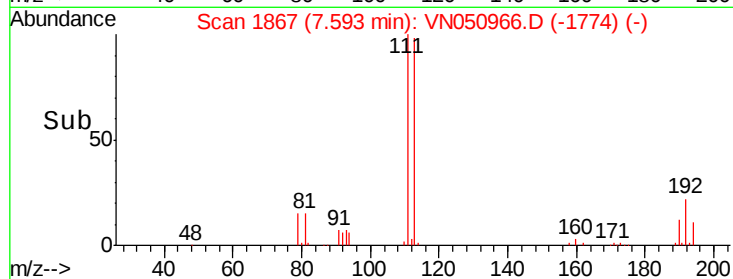
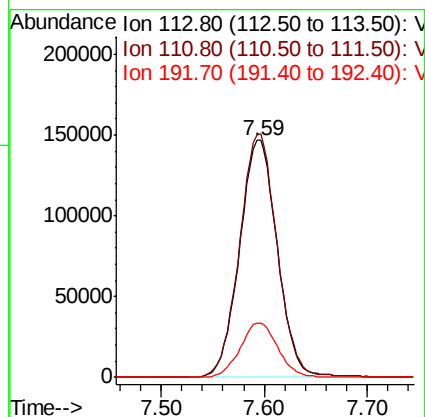
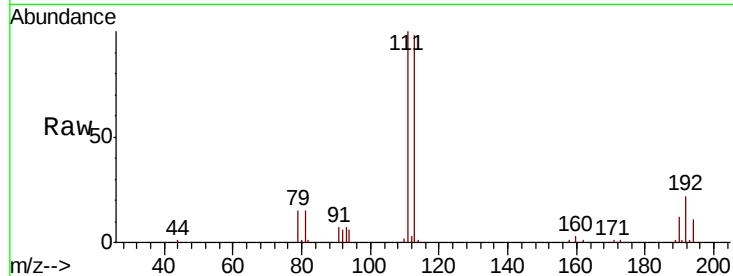




#35  
 Dibromofluoromethane  
 Concen: 47.68 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN050966.D  
 Acq: 30 Aug 2018 16:41

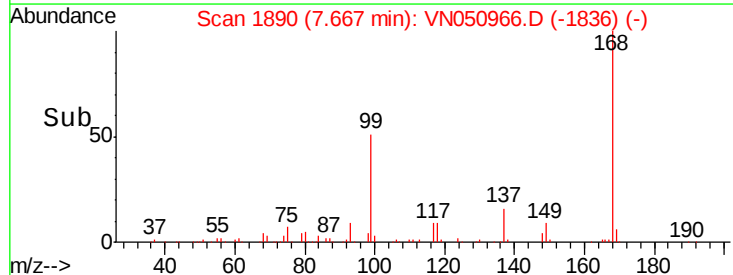
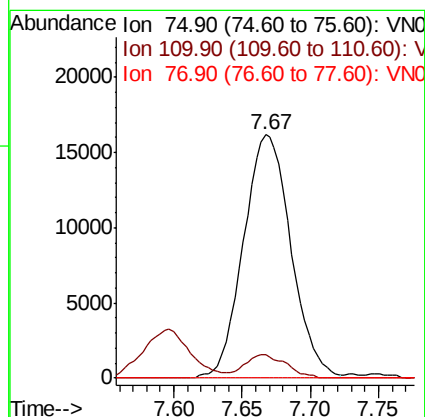
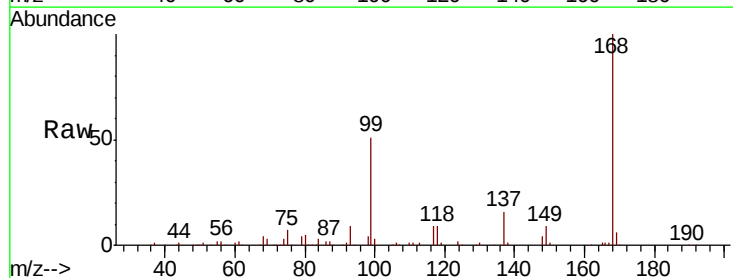
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-02-082918-A

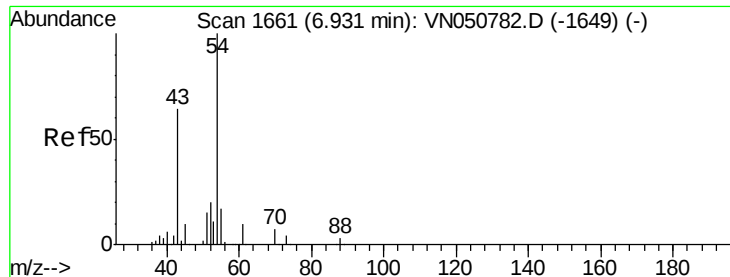
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 82.6  | 123.8 |
| 192     | 22.9  | 18.0  | 27.0  |



#36  
 1,1-Dichloropropene  
 Concen: 3.37 ug/l  
 RT: 7.67 min Scan# 1890  
 Delta R.T. -0.13 min  
 Lab File: VN050966.D  
 Acq: 30 Aug 2018 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.4   | 18.1  | 54.4# |
| 77      | 0.0   | 24.8  | 37.2# |





#37

Ethyl Acetate

Concen: 1.17 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. -0.08 min

Lab File: VN050966.D

Acq: 30 Aug 2018 16:41

Instrument :

MSVOA\_N

ClientSampleId :

CL-02-082918-A

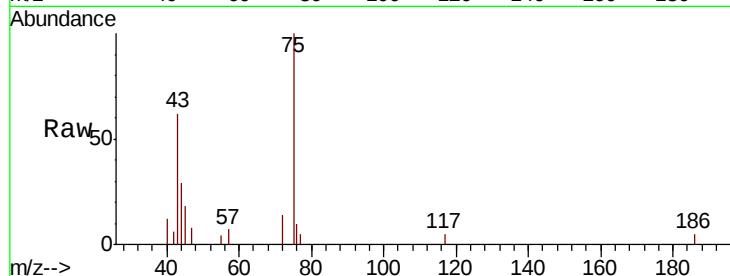
Tot Ion: 43 Resp: 7819

Ion Ratio Lower Upper

43 100

61 0.0 12.0 18.0#

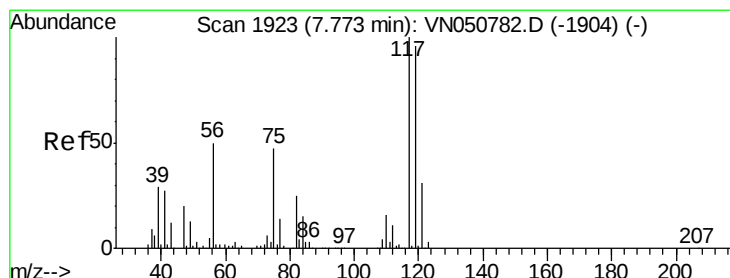
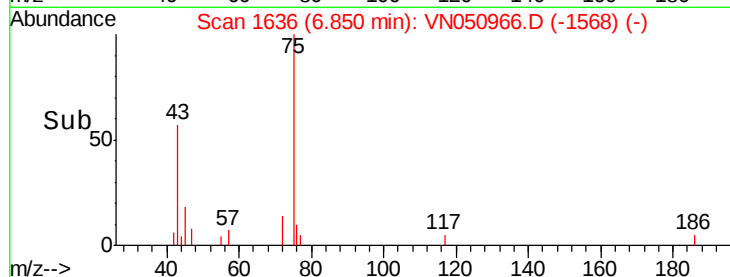
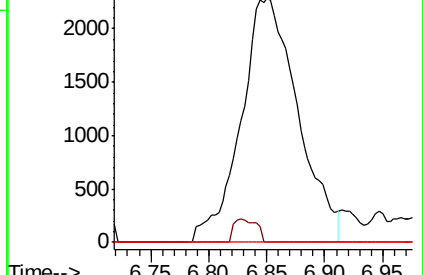
70 0.0 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VN050966.D (-1636) (-)

Ion 60.90 (60.60 to 61.60): VN050966.D (-1636) (-)

Ion 70.00 (69.70 to 70.70): VN050966.D (-1636) (-)



#38

Carbon Tetrachloride

Concen: 4.59 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.10 min

Lab File: VN050966.D

Acq: 30 Aug 2018 16:41

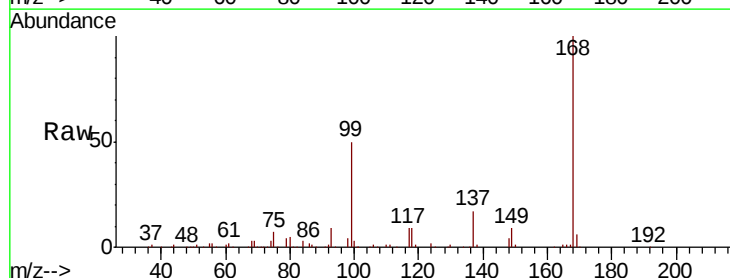
Tgt Ion: 117 Resp: 53854

Ion Ratio Lower Upper

117 100

119 7.1 76.3 114.5#

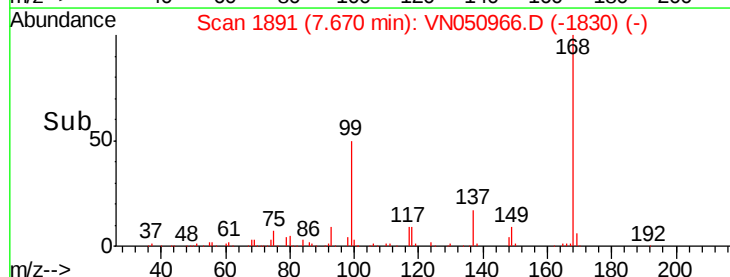
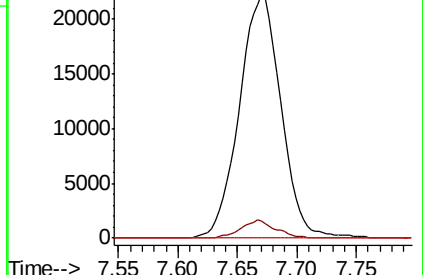
121 0.0 24.6 36.8#

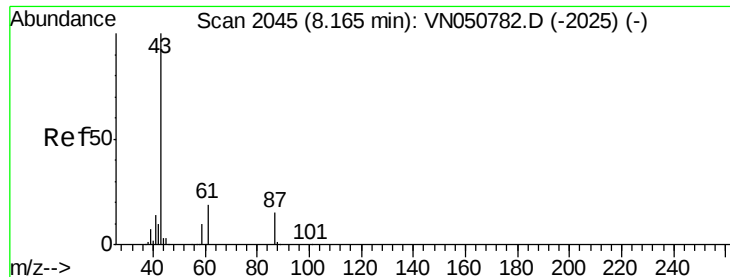


Abundance Ion 116.80 (116.50 to 117.50): VN050966.D (-1891) (-)

Ion 118.80 (118.50 to 119.50): VN050966.D (-1891) (-)

Ion 120.80 (120.50 to 121.50): VN050966.D (-1891) (-)



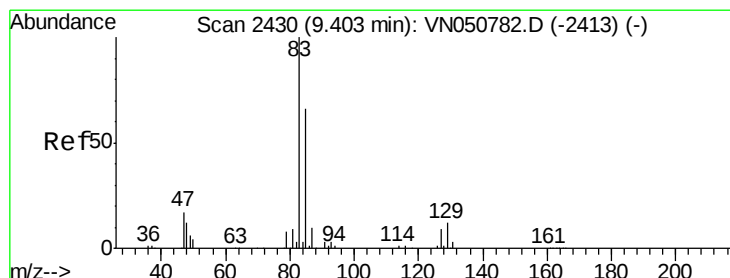
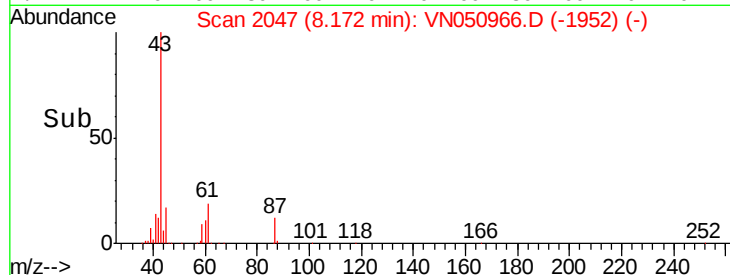
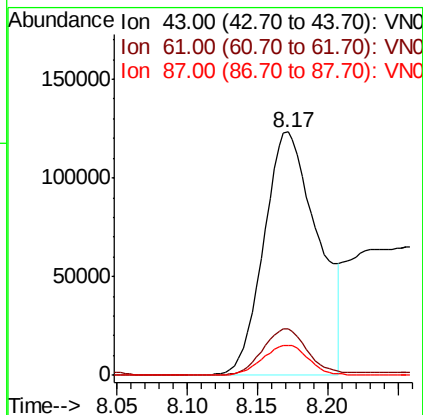
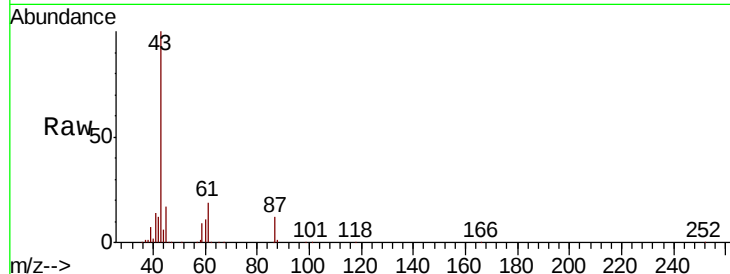


#43

Isopropyl Acetate  
 Concen: 28.53 ug/l  
 RT: 8.17 min Scan# 2047  
 Delta R.T. 0.01 min  
 Lab File: VN050966.D  
 Acq: 30 Aug 2018 16:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-02-082918-A

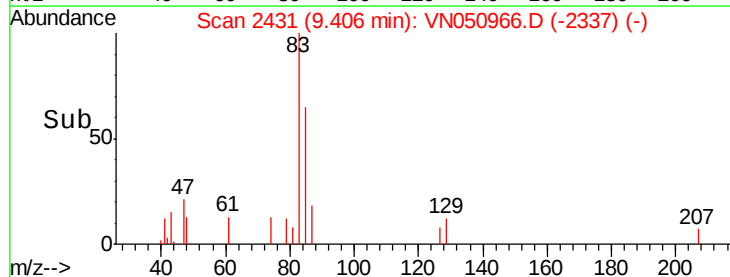
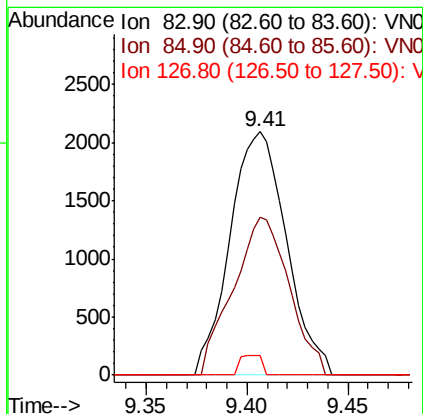
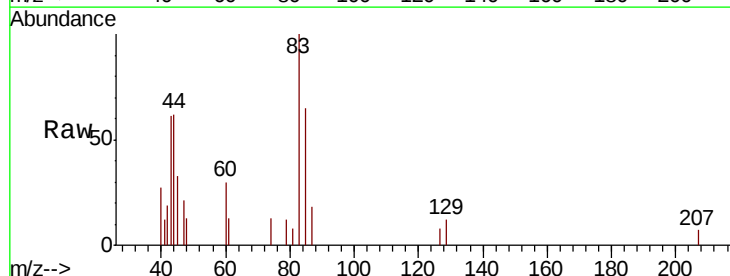
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 16.5  | 17.5  | 26.3# |
| 87      | 10.6  | 11.3  | 16.9# |

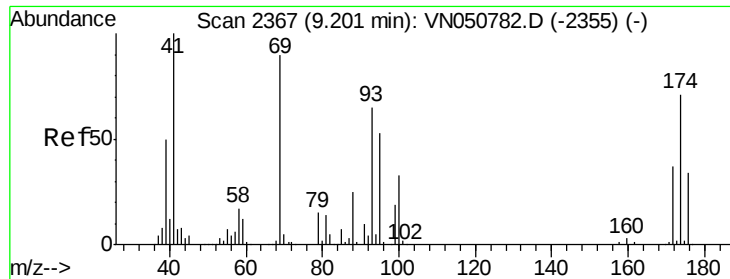


#47

Bromodichloromethane  
 Concen: 0.36 ug/l  
 RT: 9.41 min Scan# 2431  
 Delta R.T. 0.00 min  
 Lab File: VN050966.D  
 Acq: 30 Aug 2018 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.6  | 52.6  | 78.8  |
| 127     | 7.8   | 7.2   | 10.8  |

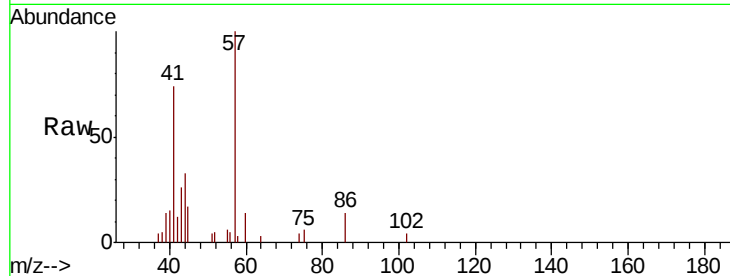




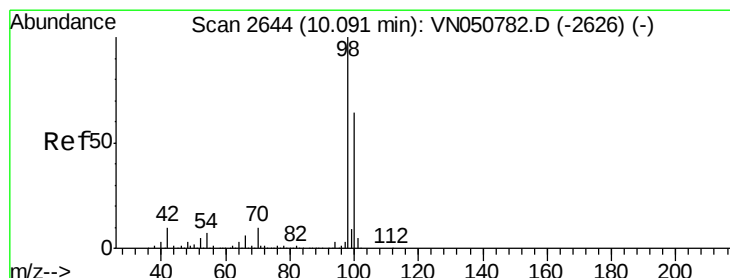
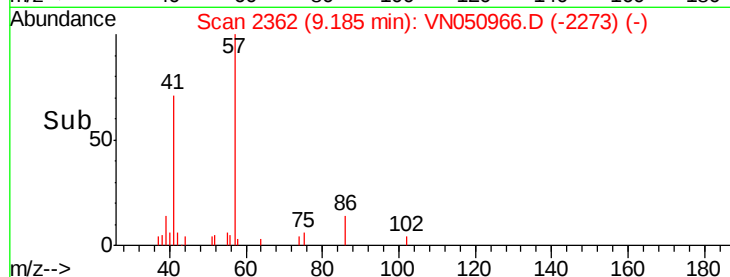
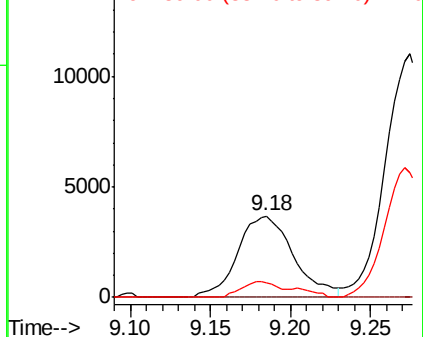
#48  
Methvl methacrylate  
Concen: 1.51 ug/l  
RT: 9.18 min Scan# 2362  
Delta R.T. -0.02 min  
Lab File: VN050966.D  
Acq: 30 Aug 2018 16:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-02-082918-A

Tot Ion: 41 Resp: 8818  
Ion Ratio Lower Upper  
41 100  
69 0.0 74.7 112.1#  
39 12.6 42.2 63.2#

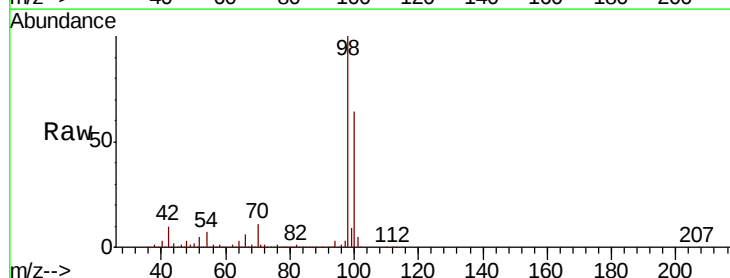


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0

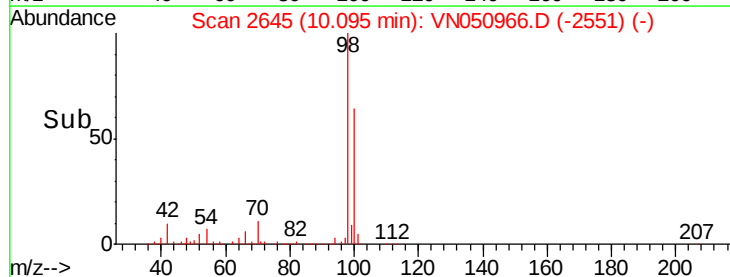
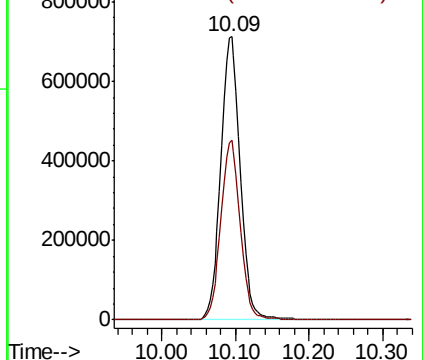


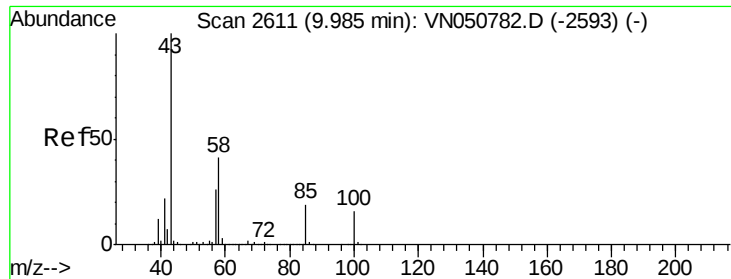
#50  
Toluene-d8  
Concen: 44.80 ug/l  
RT: 10.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VN050966.D  
Acq: 30 Aug 2018 16:41

Tgt Ion: 98 Resp: 1310089  
Ion Ratio Lower Upper  
98 100  
100 63.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0  
Ion 100.00 (99.70 to 100.70): VN0

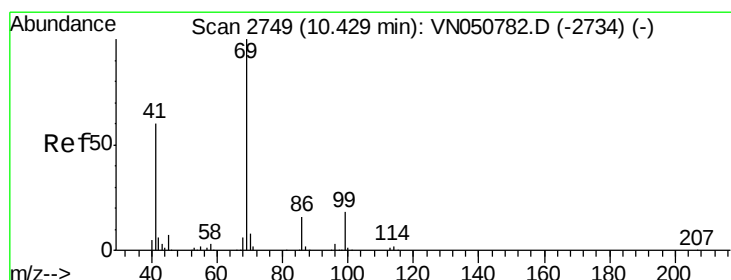
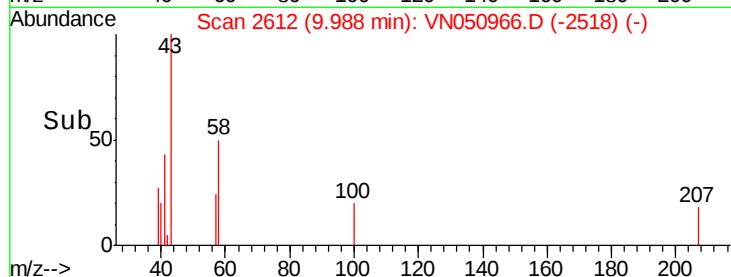
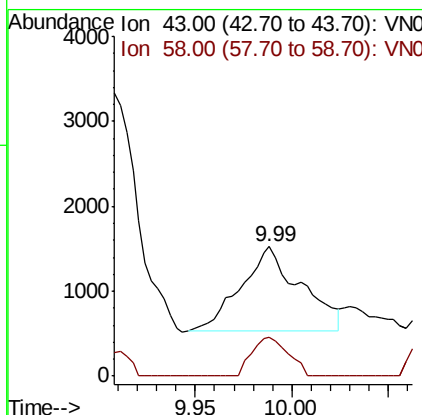
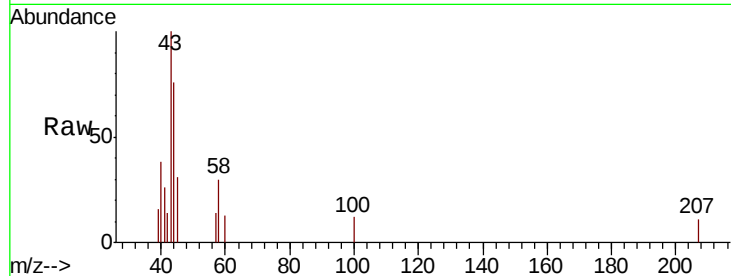




#51  
4-Methyl-2-Pentanone  
Concen: 0.31 ug/l  
RT: 9.99 min Scan# 2612  
Delta R.T. 0.00 min  
Lab File: VN050966.D  
Acq: 30 Aug 2018 16:41

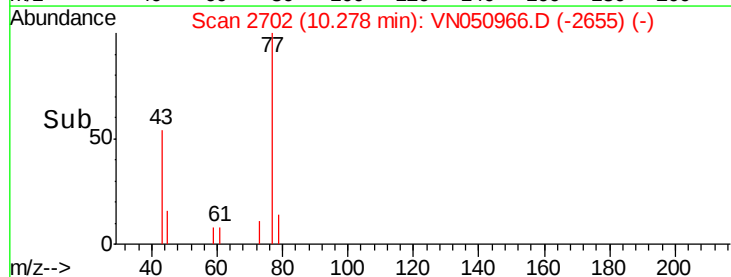
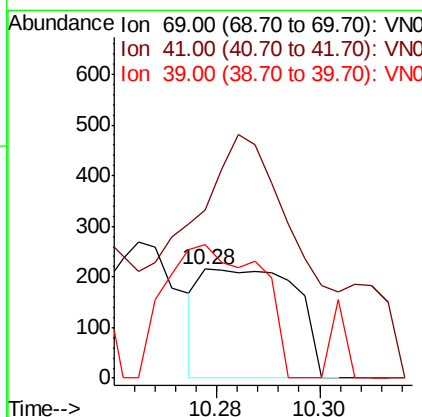
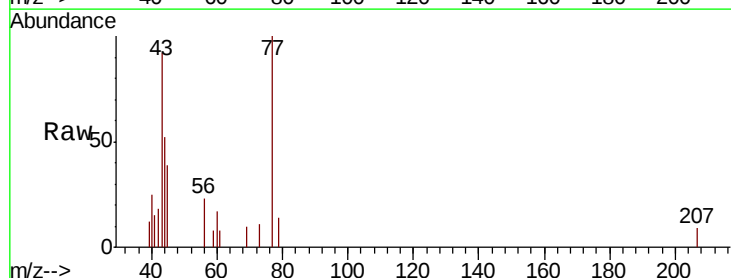
Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-02-082918-A

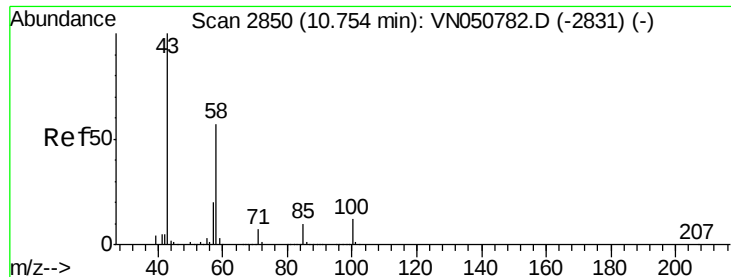
Tot Ion: 43 Resp: 2150  
Ion Ratio Lower Upper  
43 100  
58 28.0 32.4 48.6#



#56  
Ethyl methacrylate  
Concen: 2.38 ug/l  
RT: 10.28 min Scan# 2702  
Delta R.T. -0.15 min  
Lab File: VN050966.D  
Acq: 30 Aug 2018 16:41

Tgt Ion: 69 Resp: 272  
Ion Ratio Lower Upper  
69 100  
41 134.6 48.3 72.5#  
39 124.6 24.0 36.0#





#59

2-Hexanone

Concen: 3.57 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050966.D

Acq: 30 Aug 2018 16:41

Instrument :

MSVOA\_N

ClientSampled :

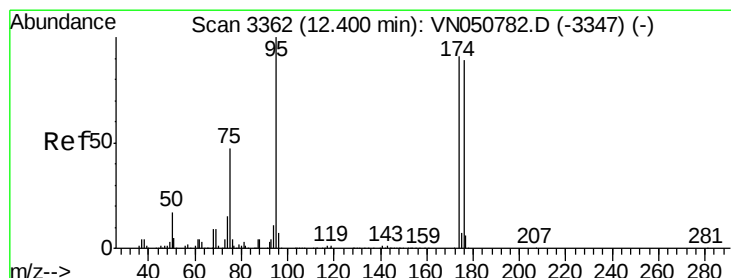
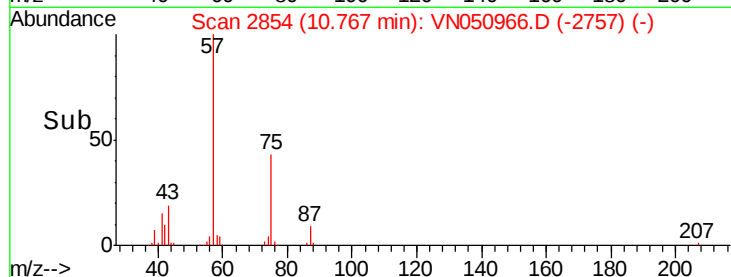
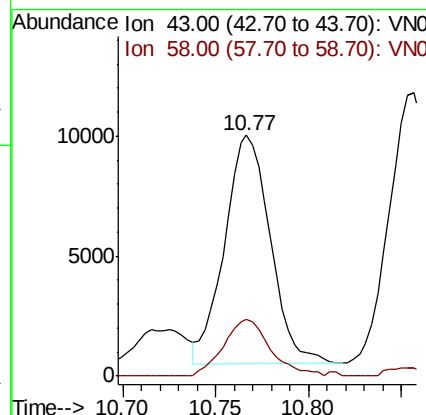
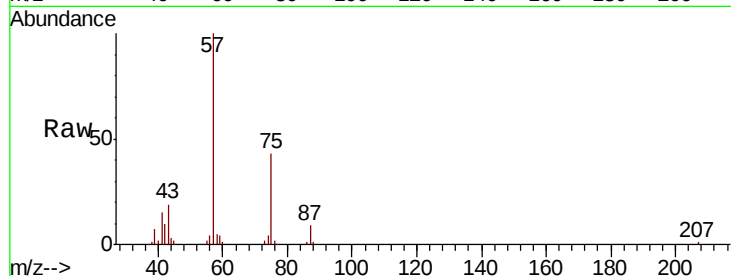
CL-02-082918-A

Tot Ion: 43 Resp: 16263

Ion Ratio Lower Upper

43 100

58 25.6 28.3 85.0#



#62

4-Bromofluorobenzene

Concen: 35.16 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050966.D

Acq: 30 Aug 2018 16:41

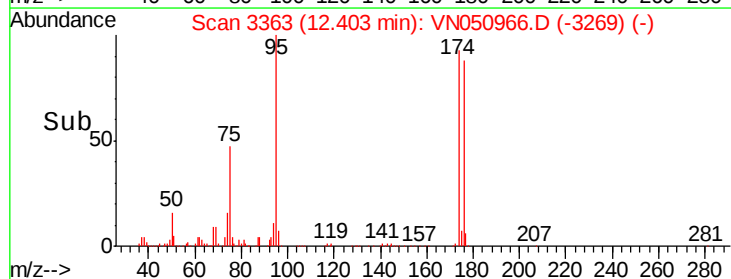
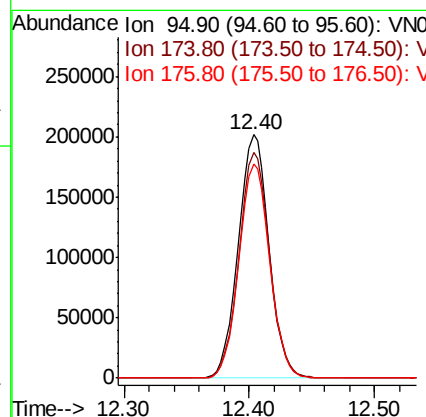
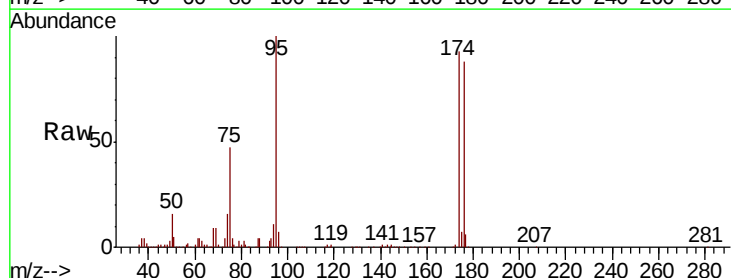
Tgt Ion: 95 Resp: 341685

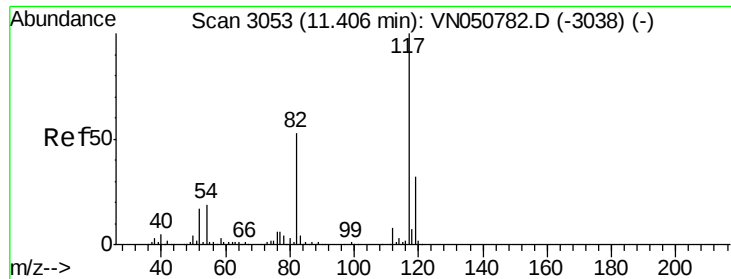
Ion Ratio Lower Upper

95 100

174 92.8 0.0 183.0

176 88.5 0.0 178.8

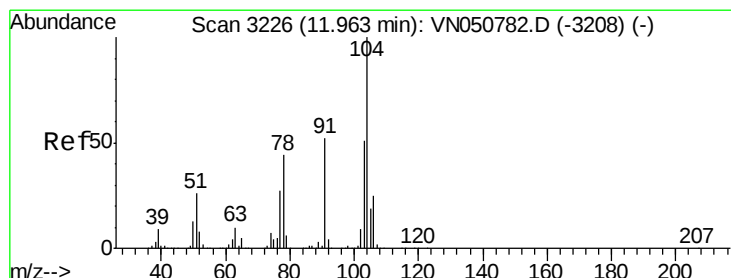
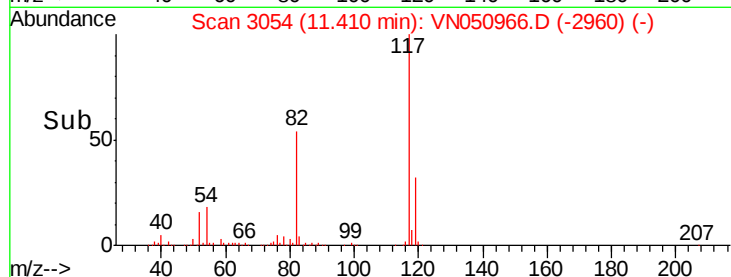
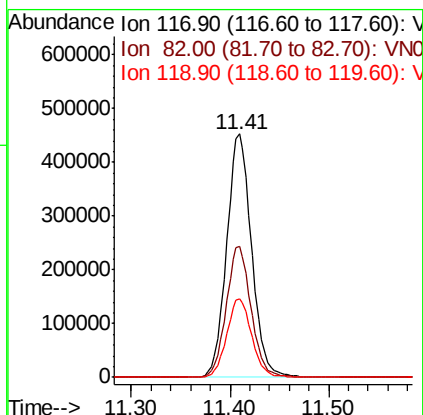
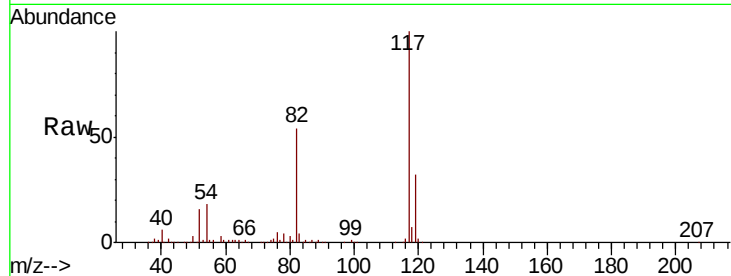




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050966.D  
Acq: 30 Aug 2018 16:41

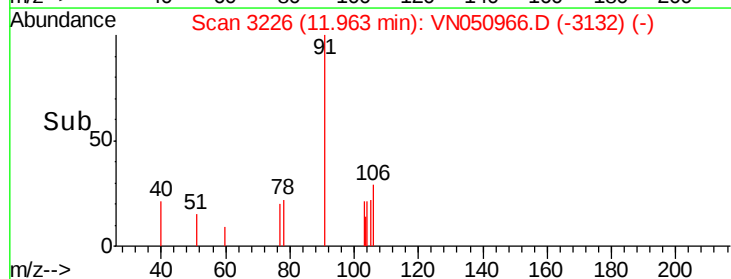
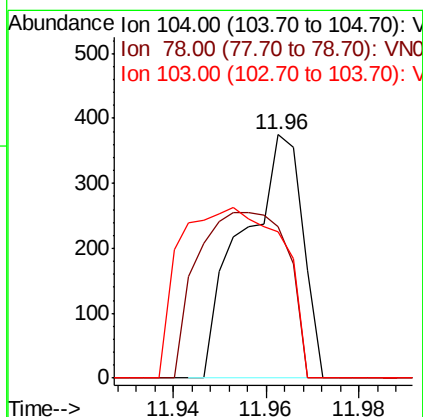
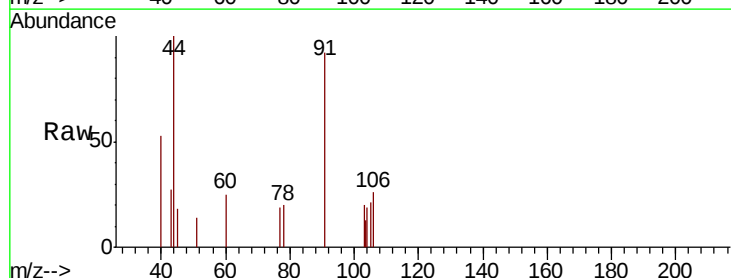
Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-02-082918-A

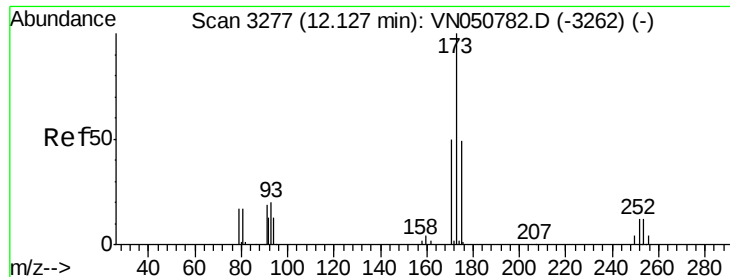
Tot Ion:117 Resp: 800430  
Ion Ratio Lower Upper  
117 100  
82 53.7 42.6 64.0  
119 32.4 25.8 38.6



#70  
Styrene  
Concen: 1.29 ug/l  
RT: 11.96 min Scan# 3226  
Delta R.T. 0.00 min  
Lab File: VN050966.D  
Acq: 30 Aug 2018 16:41

Tgt Ion:104 Resp: 337  
Ion Ratio Lower Upper  
104 100  
78 101.8 38.2 57.4#  
103 119.3 44.4 66.6#





#71

Bromoform

Concen: 0.21 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN050966.D

Acq: 30 Aug 2018 16:41

Instrument :

MSVOA\_N

ClientSampleId :

CL-02-082918-A

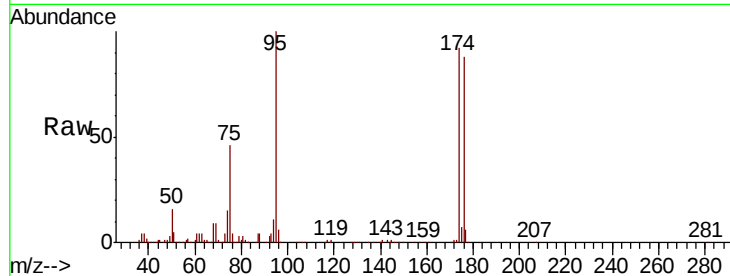
Tot Ion:173 Resp: 1102

Ion Ratio Lower Upper

173 100

175 1723.9 24.4 73.4#

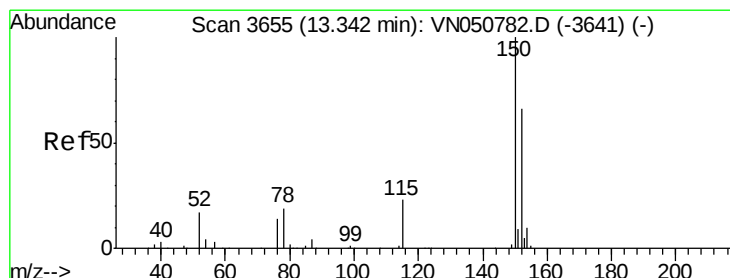
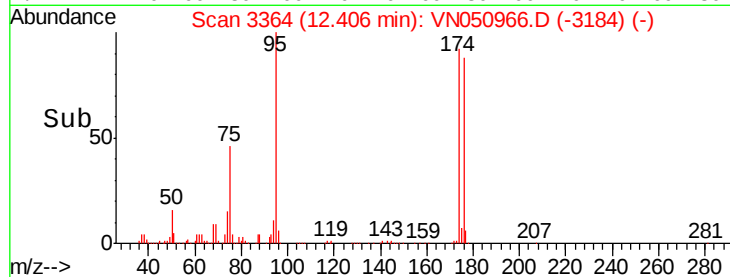
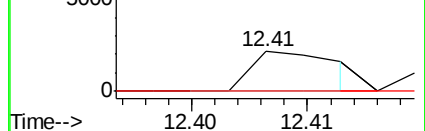
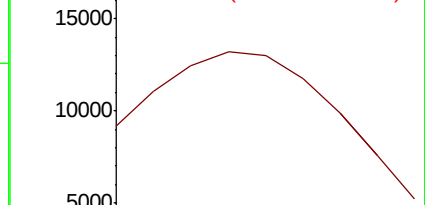
254 0.0 0.1 0.1#



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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050966.D

Acq: 30 Aug 2018 16:41

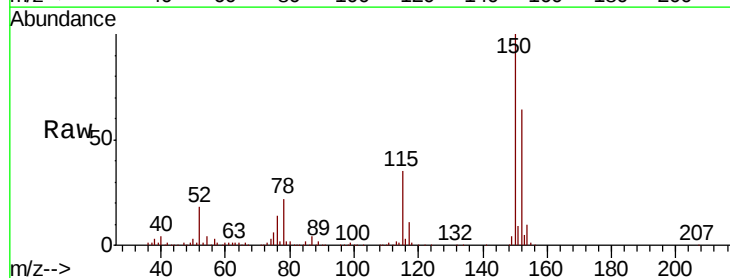
Tgt Ion:152 Resp: 277877

Ion Ratio Lower Upper

152 100

115 55.1 27.8 83.4

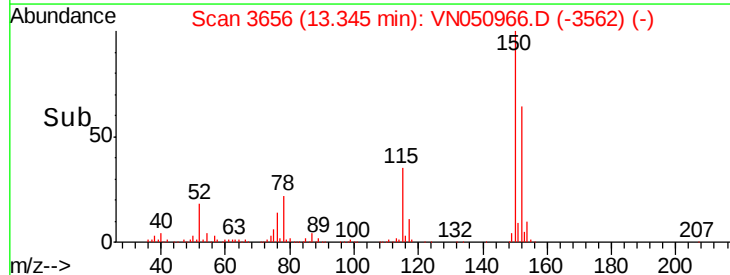
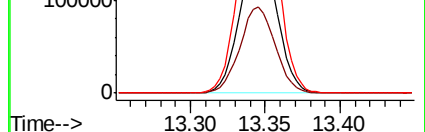
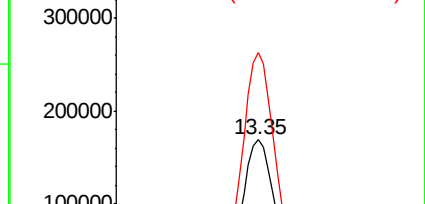
150 155.4 0.0 351.4

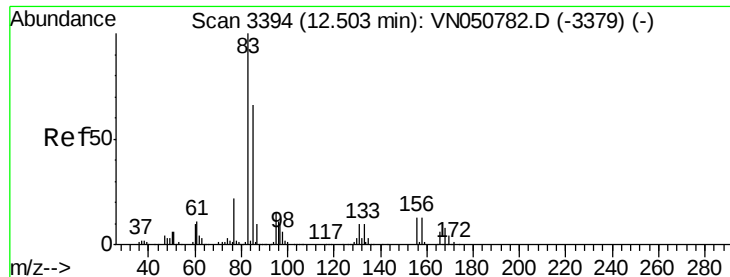


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3364

Delta R.T. -0.10 min

Lab File: VN050966.D

Acq: 30 Aug 2018 16:41

Instrument :

MSVOA\_N

ClientSampleId :

CL-02-082918-A

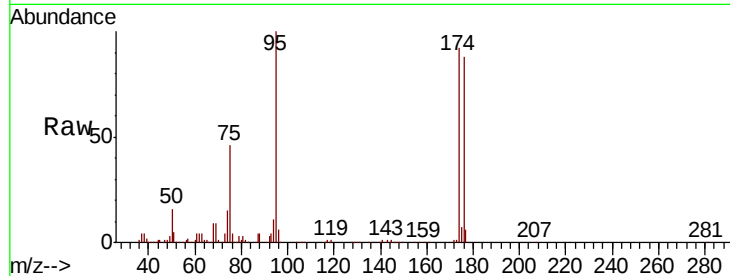
Tot Ion: 83 Resp: 221

Ion Ratio Lower Upper

83 100

131 157.9 5.3 15.9#

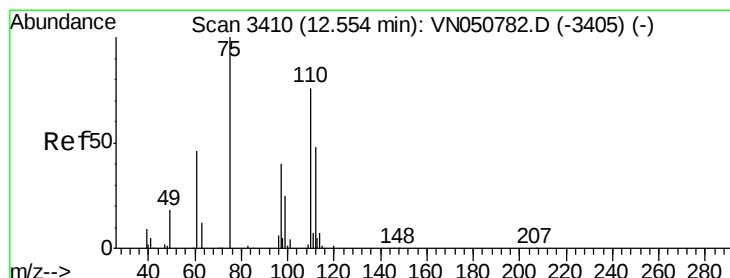
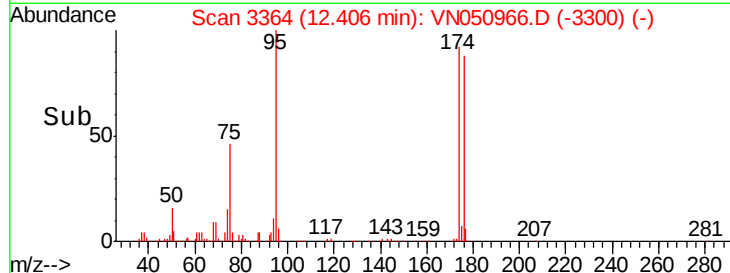
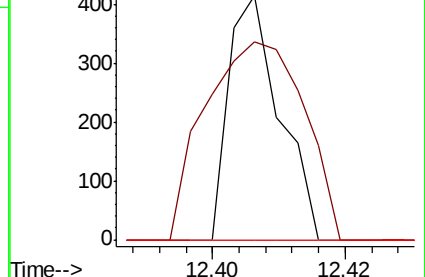
85 0.0 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 32.92 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050966.D

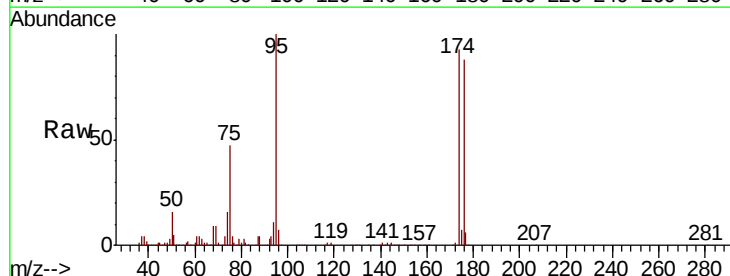
Acq: 30 Aug 2018 16:41

Tgt Ion: 75 Resp: 160200

Ion Ratio Lower Upper

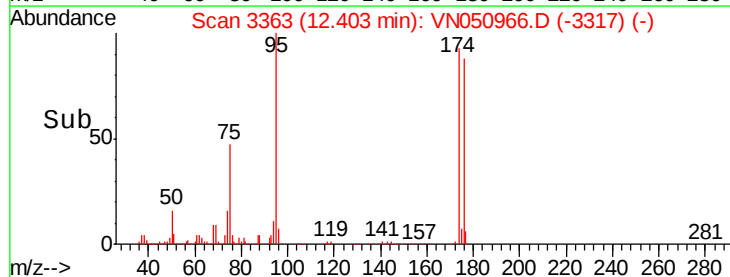
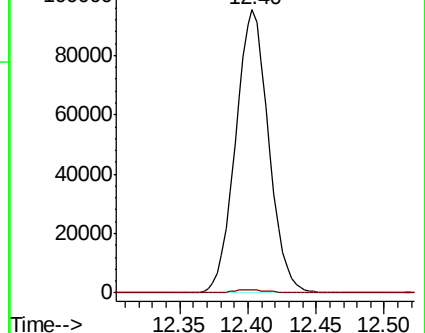
75 100

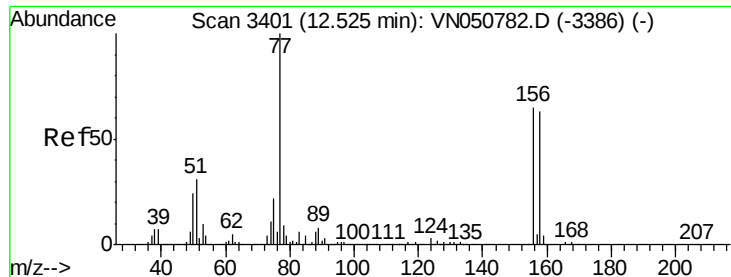
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 0.22 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050966.D

Acq: 30 Aug 2018 16:41

Instrument :

MSVOA\_N

ClientSampleId :

CL-02-082918-A

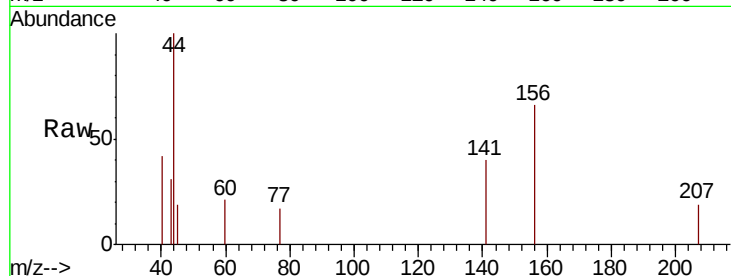
Tot Ion:156 Resp: 1361

Ion Ratio Lower Upper

156 100

77 14.6 89.9 269.7#

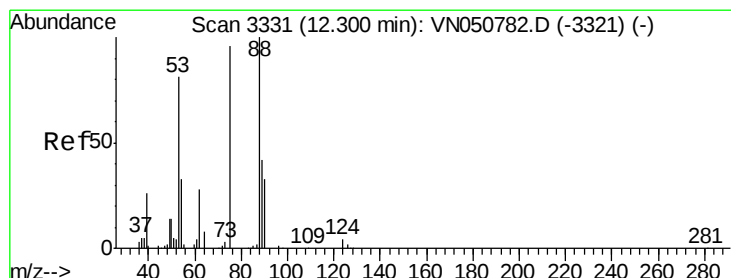
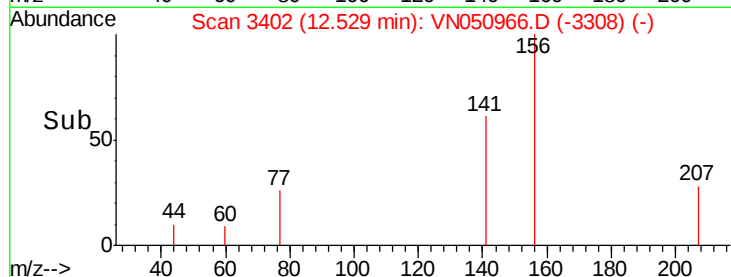
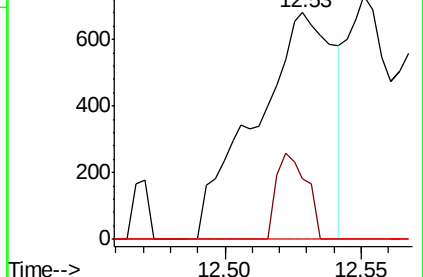
158 0.0 49.3 147.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 111.27 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050966.D

Acq: 30 Aug 2018 16:41

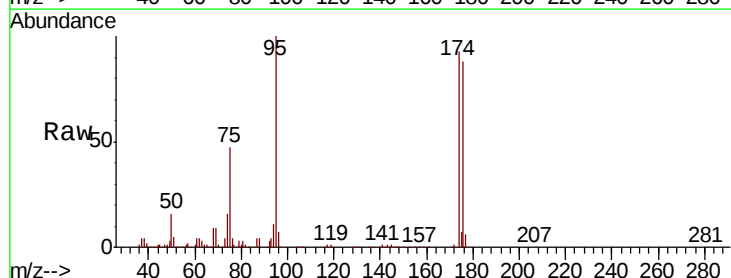
Tgt Ion: 75 Resp: 160200

Ion Ratio Lower Upper

75 100

53 0.2 68.9 103.3#

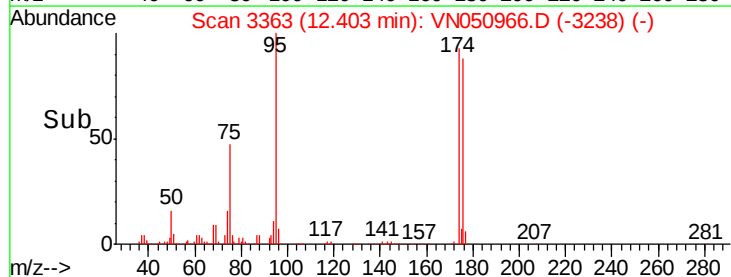
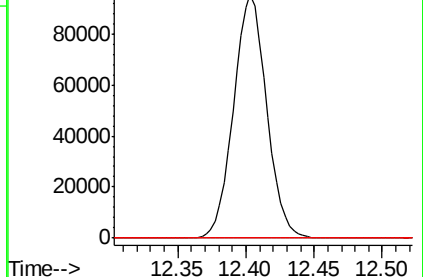
89 0.0 36.1 54.1#

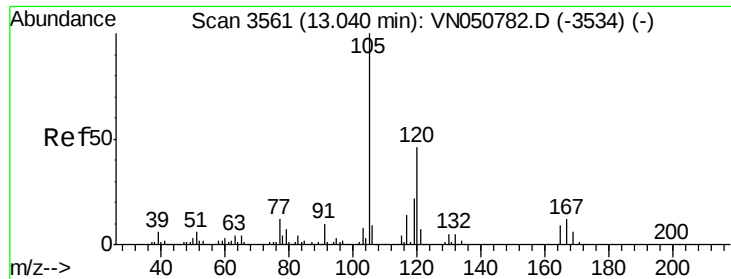


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.30 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050966.D

Acq: 30 Aug 2018 16:41

Instrument :

MSVOA\_N

ClientSampleId :

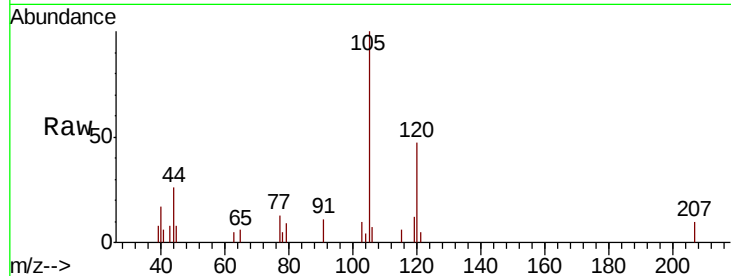
CL-02-082918-A

Tot Ion:105 Resp: 5645

Ion Ratio Lower Upper

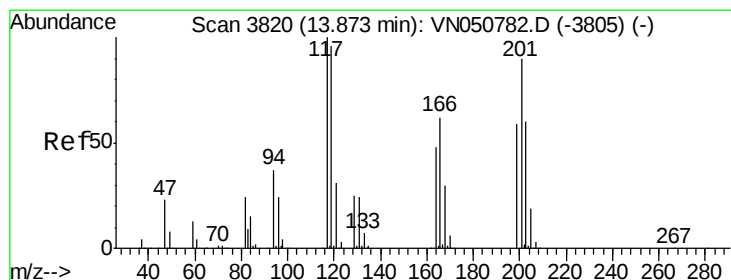
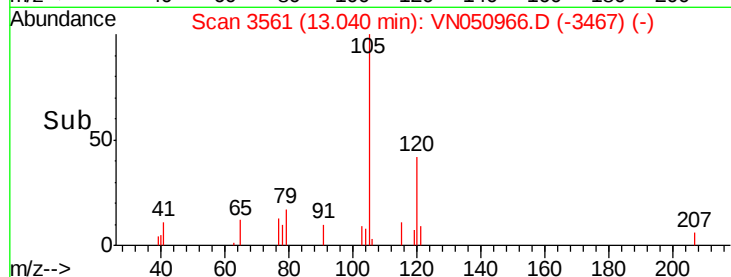
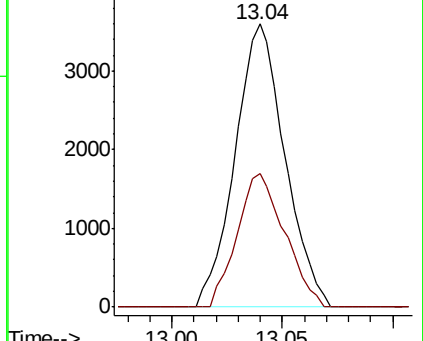
105 100

120 44.9 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#90

Hexachloroethane

Concen: 0.31 ug/l

RT: 13.94 min Scan# 3842

Delta R.T. 0.07 min

Lab File: VN050966.D

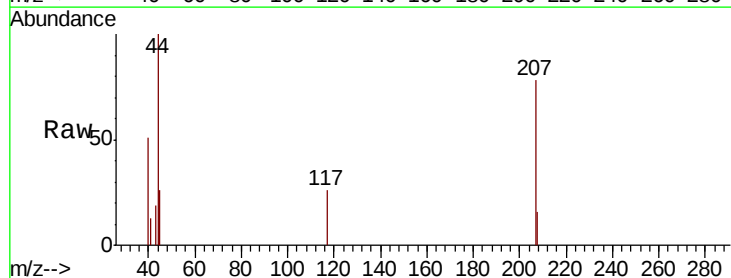
Acq: 30 Aug 2018 16:41

Tgt Ion:117 Resp: 426

Ion Ratio Lower Upper

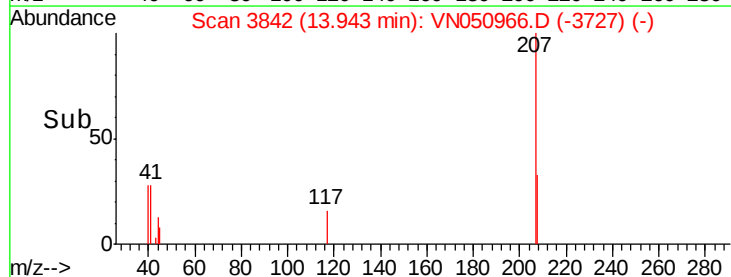
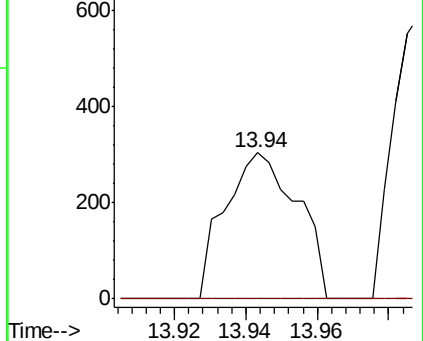
117 100

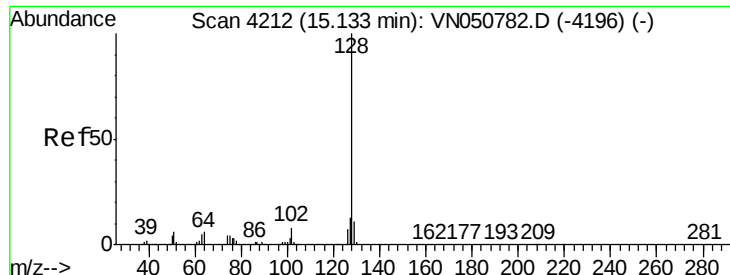
201 0.0 46.0 137.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95  
Naphthalene  
Concen: 8.47 ug/l  
RT: 15.14 min Scan# 4213  
Delta R.T. 0.00 min  
Lab File: VN050966.D  
Acq: 30 Aug 2018 16:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-02-082918-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.6  | 10.5  | 15.7  |
| 129     | 12.2  | 8.7   | 13.1  |

