

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\  
 Data File : VN053011.D  
 Acq On : 19 Dec 2018 15:16  
 Operator : MD\SY  
 Sample : PB115821ZHE#01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 20 05:20:51 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1449800  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 2240240  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1987808  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 768231   | 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   | 731251   | 49.70 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.40%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 554824   | 54.22 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 108.44% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2727470  | 49.65 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.30%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 876361   | 45.44 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.88%  |          |

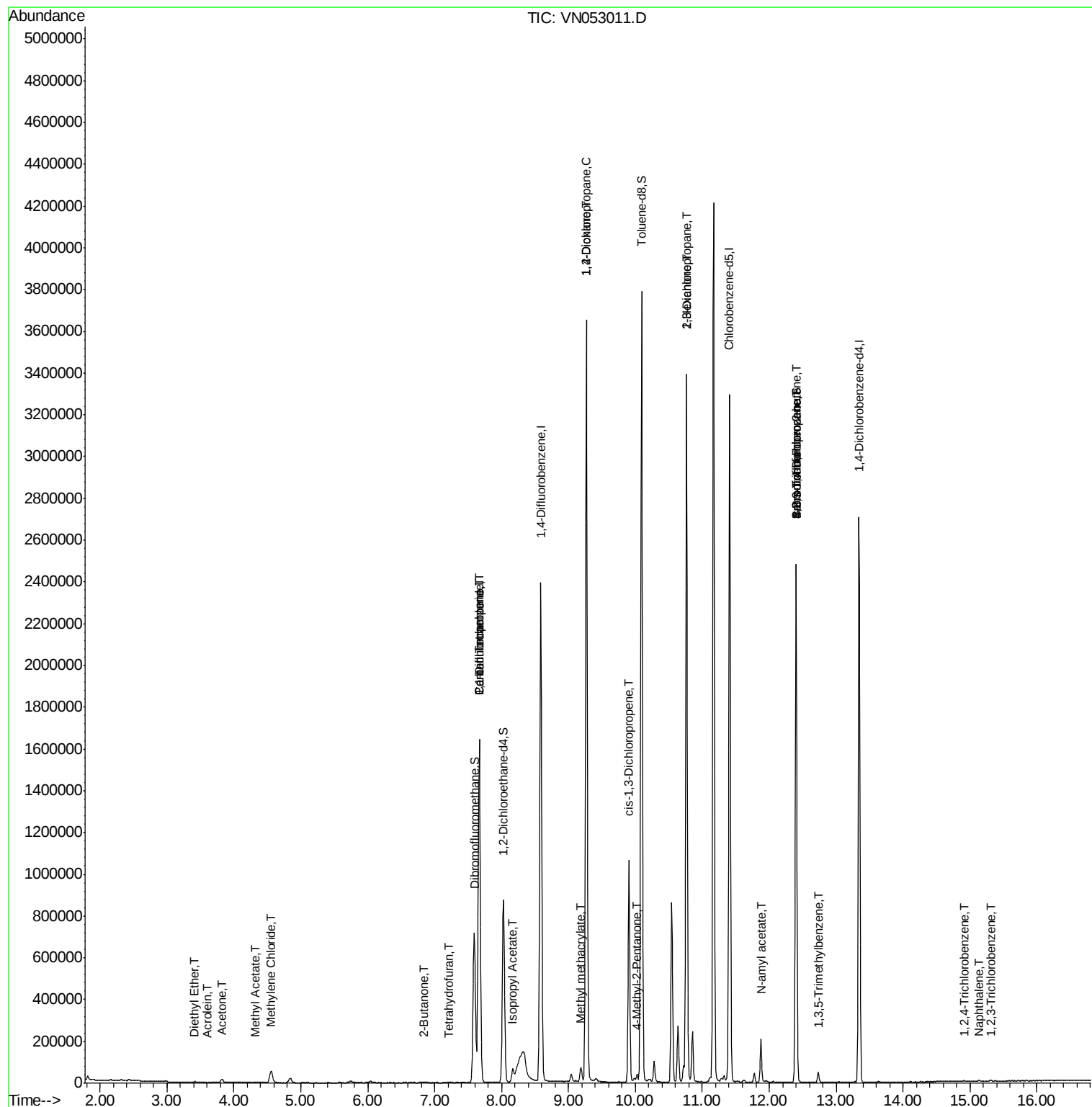
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 8) Diethyl Ether               | 3.41  | 74   | 2311     | 0.273     | ug/l # | 43     |
| 13) Acrolein                   | 3.61  | 56   | 189      | 0.232     | ug/l # | 75     |
| 16) Acetone                    | 3.82  | 43   | 27842    | 9.652     | ug/l   | 96     |
| 18) Methyl Acetate             | 4.33  | 43   | 6730     | 1.496     | ug/l # | 79     |
| 20) Methylene Chloride         | 4.56  | 84   | 42645    | 2.710     | ug/l   | 96     |
| 25) 2-Butanone                 | 6.84  | 43   | 3102     | 0.641     | ug/l   | 93     |
| 29) Tetrahydrofuran            | 7.21  | 42   | 1003     | 0.277     | ug/l # | 46     |
| 31) Cyclohexane                | 7.66  | 56   | 23498    | Below Cal | #      | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 94928    | 4.415     | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 126243   | 6.405     | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.17  | 43   | 82430    | 2.557     | ug/l # | 83     |
| 45) 1,2-Dichloropropane        | 9.27  | 63   | 4497     | 0.270     | ug/l # | 44     |
| 48) Methyl methacrylate        | 9.18  | 41   | 24989    | 2.145     | ug/l # | 12     |
| 49) 1,4-Dioxane                | 9.27  | 88   | 482      | 3.271     | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 10.02 | 43   | 30033    | 2.584     | ug/l # | 35     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 205320   | 8.246     | ug/l # | 60     |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 35647    | 1.503     | ug/l # | 43     |
| 59) 2-Hexanone                 | 10.76 | 43   | 483667   | 61.496    | ug/l # | 50     |
| 71) Bromoform                  | 12.40 | 173  | 5300     | 0.479     | ug/l # | 1      |
| 74) N-amyl acetate             | 11.88 | 43   | 61710    | 3.698     | ug/l # | 52     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 408224   | 31.566    | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 23745    | 0.485     | ug/l   | 98     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 408224   | 101.741   | ug/l # | 12     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 1351     | 0.693     | ug/l # | 87     |
| 94) Hexachlorobutadiene        | 15.01 | 225  | 70       | Below Cal | #      | 19     |
| 95) Naphthalene                | 15.13 | 128  | 3590     | 1.263     | ug/l # | 96     |
| 96) 1,2,3-Trichlorobenzene     | 15.31 | 180  | 1264     | 0.609     | ug/l   | 93     |

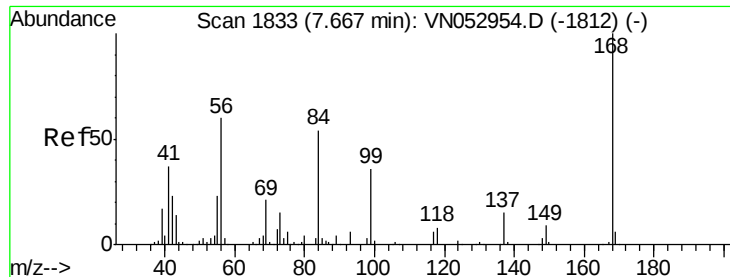
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\  
Data File : VN053011.D  
Acq On : 19 Dec 2018 15:16  
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Sample : PB115821ZHE#01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 16 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Dec 20 05:20:51 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 18 13:03:37 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: VN053011.D

Acq: 19 Dec 2018 15:16

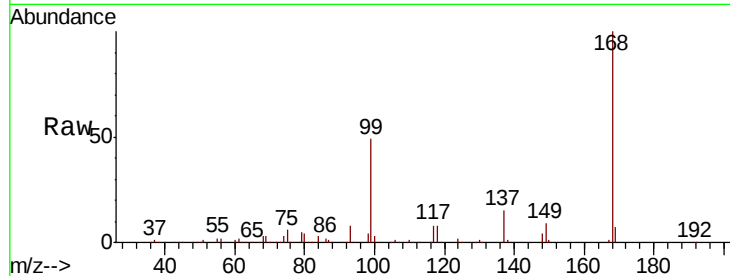
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:168 Resp: 1449800

Ion Ratio Lower Upper

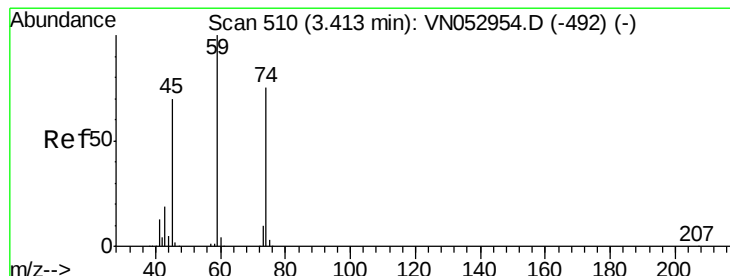
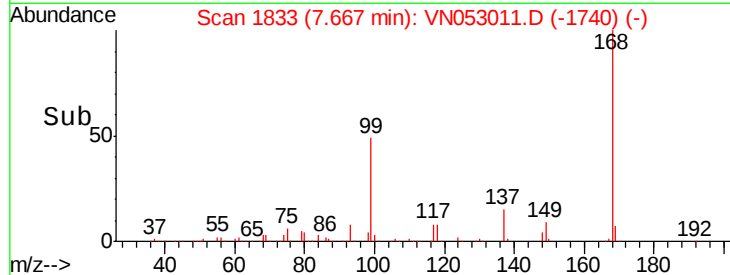
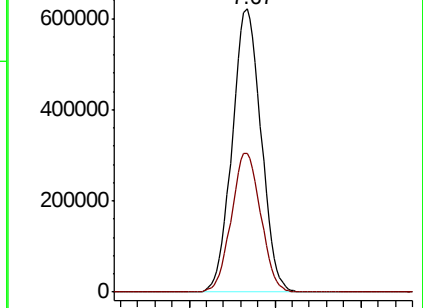
168 100

99 49.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 0.273 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN053011.D

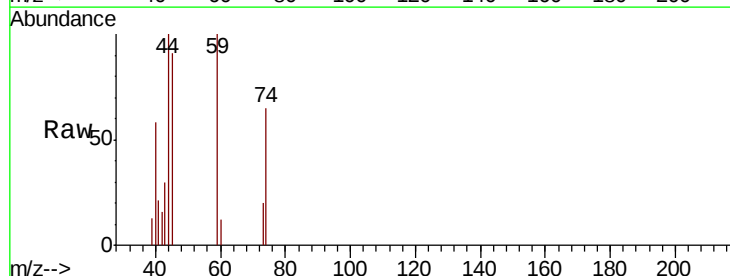
Acq: 19 Dec 2018 15:16

Tgt Ion: 74 Resp: 2311

Ion Ratio Lower Upper

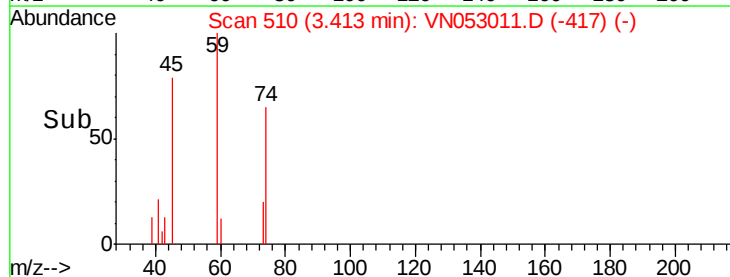
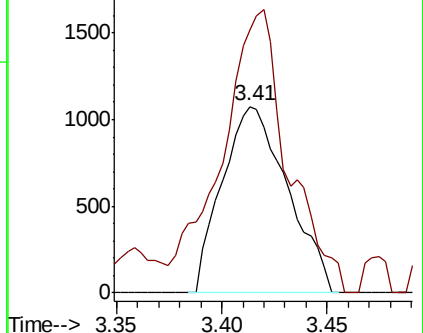
74 100

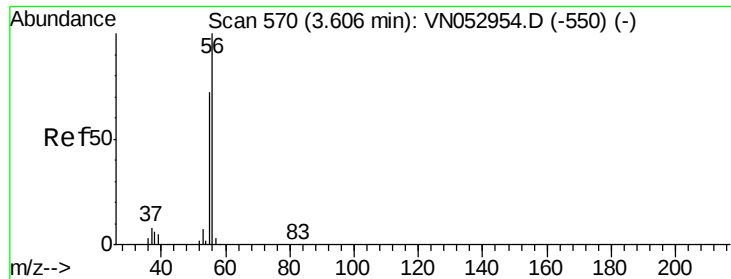
45 154.8 49.4 148.0#



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

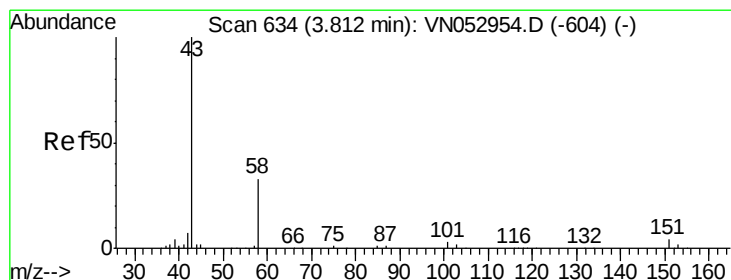
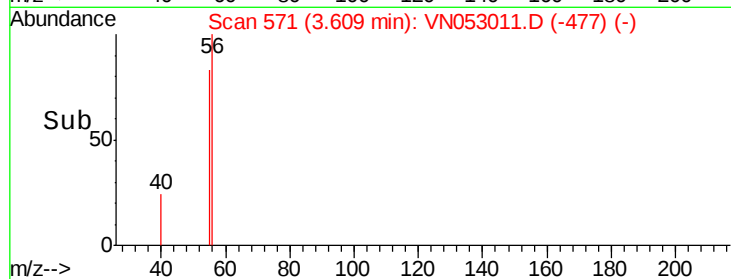
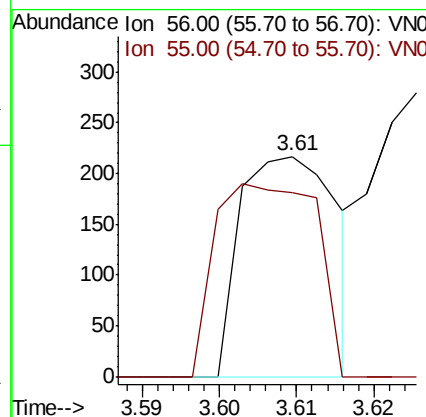
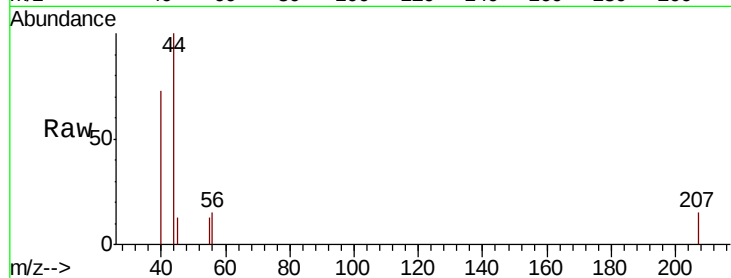




#13  
Acrolein  
Concen: 0.232 ug/l  
RT: 3.61 min Scan# 571  
Delta R.T. 0.00 min  
Lab File: VN053011.D  
Acq: 19 Dec 2018 15:16

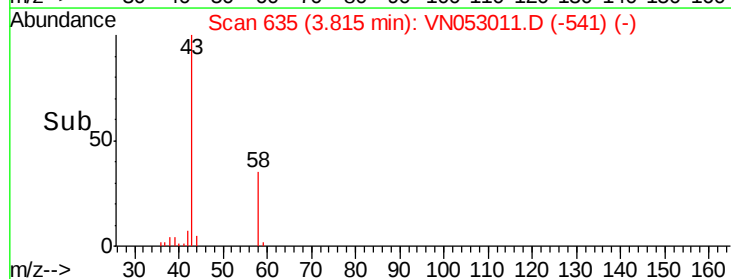
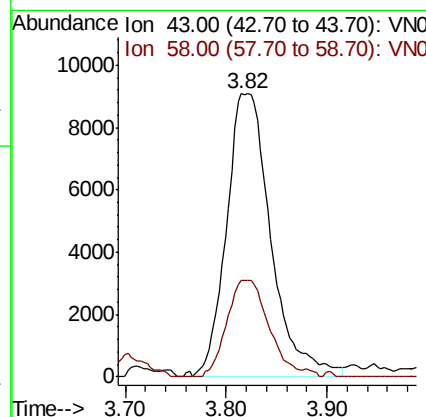
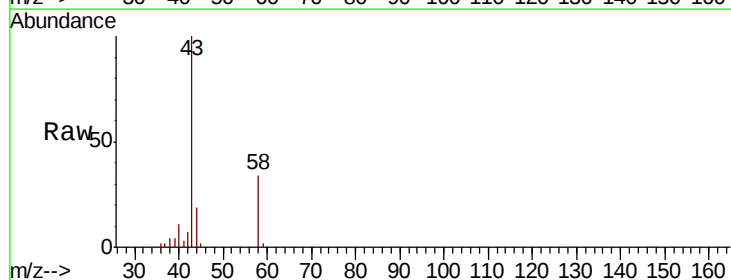
Instrument :  
MSVOA\_N  
ClientSampled :

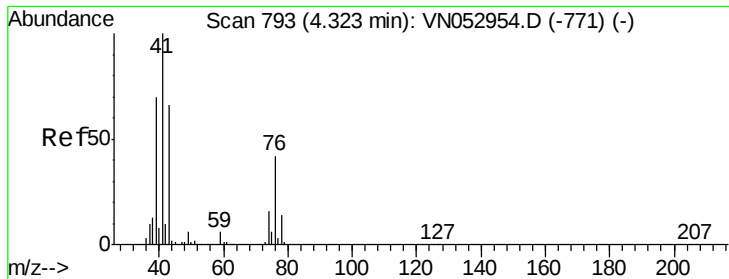
Tot Ion: 56 Resp: 189  
Ion Ratio Lower Upper  
56 100  
55 91.5 56.6 85.0#



#16  
Acetone  
Concen: 9.652 ug/l  
RT: 3.82 min Scan# 635  
Delta R.T. 0.00 min  
Lab File: VN053011.D  
Acq: 19 Dec 2018 15:16

Tgt Ion: 43 Resp: 27842  
Ion Ratio Lower Upper  
43 100  
58 34.0 25.4 38.0

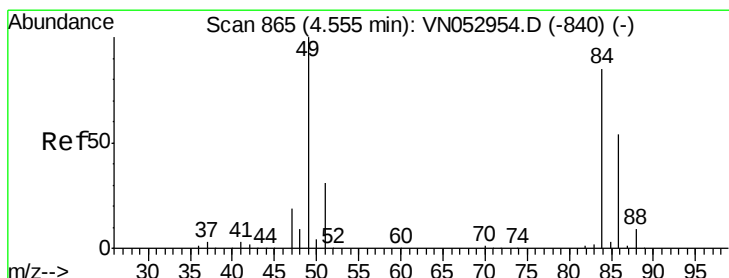
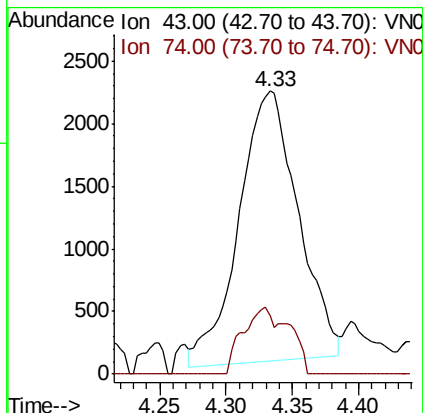
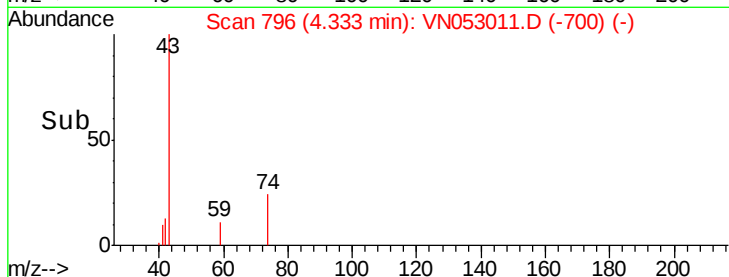
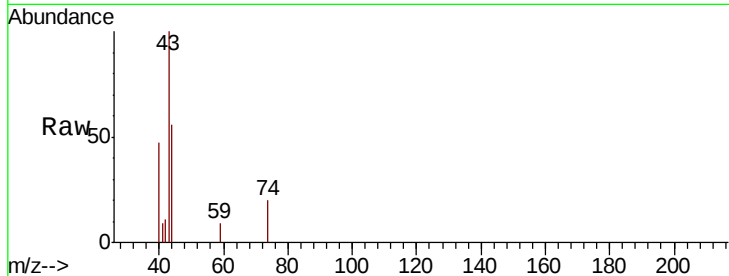




#18  
Methyl Acetate  
Concen: 1.496 ug/l  
RT: 4.33 min Scan# 796  
Delta R.T. 0.01 min  
Lab File: VN053011.D  
Acq: 19 Dec 2018 15:16

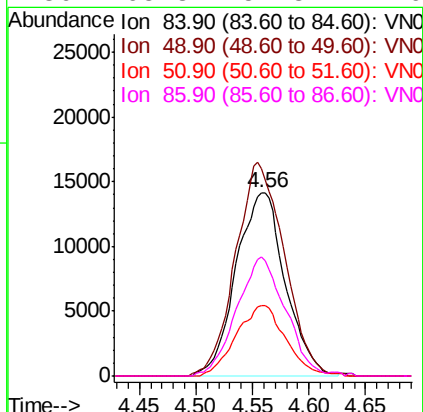
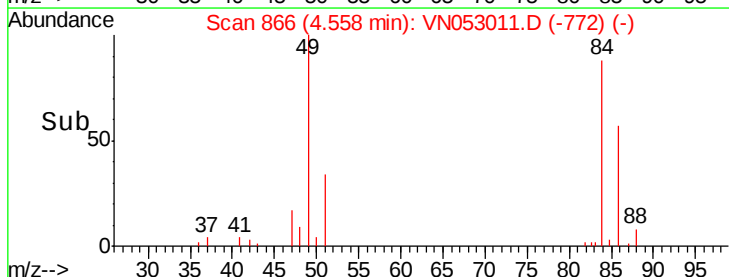
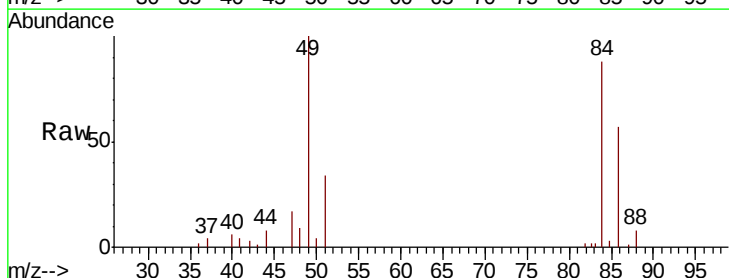
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MSVOA\_N  
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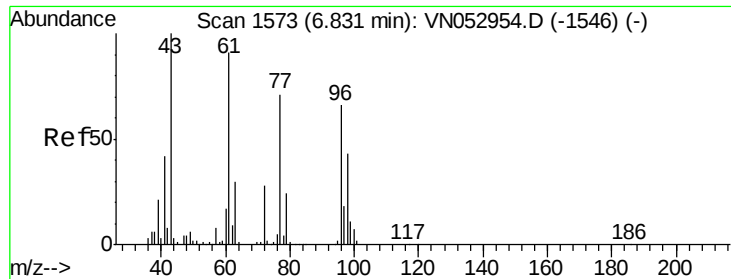
Tot Ion: 43 Resp: 6730  
Ion Ratio Lower Upper  
43 100  
74 13.5 19.2 28.8#



#20  
Methylene Chloride  
Concen: 2.710 ug/l  
RT: 4.56 min Scan# 866  
Delta R.T. 0.00 min  
Lab File: VN053011.D  
Acq: 19 Dec 2018 15:16

Tgt Ion: 84 Resp: 42645  
Ion Ratio Lower Upper  
84 100  
49 113.6 96.8 145.2  
51 38.6 29.9 44.9  
86 65.3 51.8 77.6

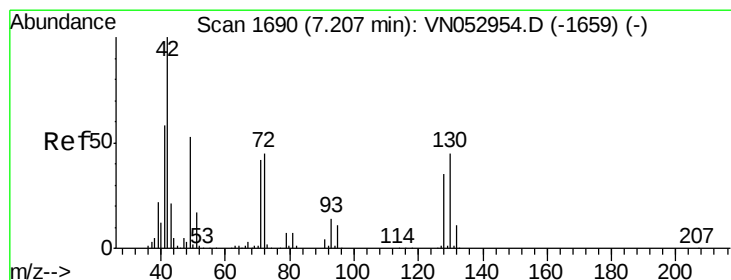
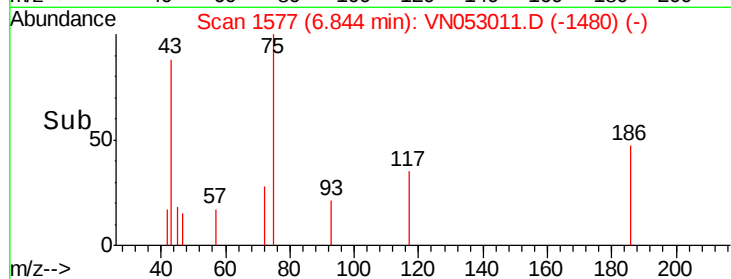
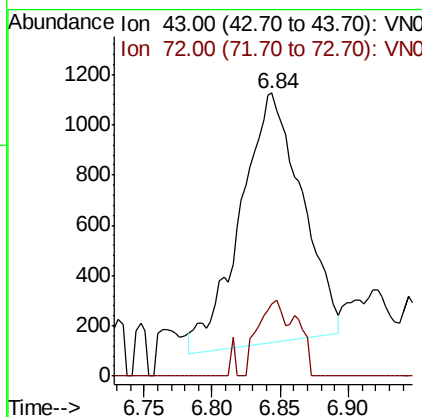
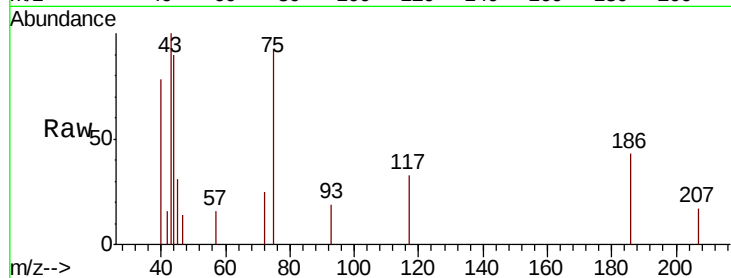




#25  
2-Butanone  
Concen: 0.641 ug/l  
RT: 6.84 min Scan# 1577  
Delta R.T. 0.01 min  
Lab File: VN053011.D  
Acq: 19 Dec 2018 15:16

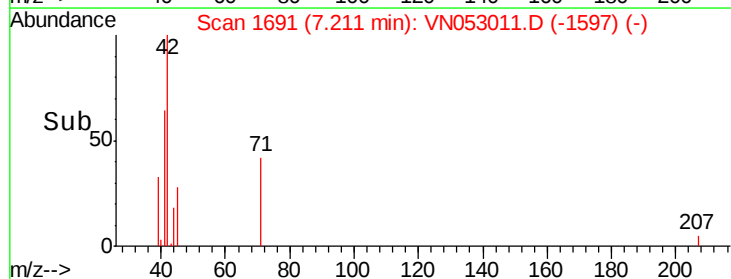
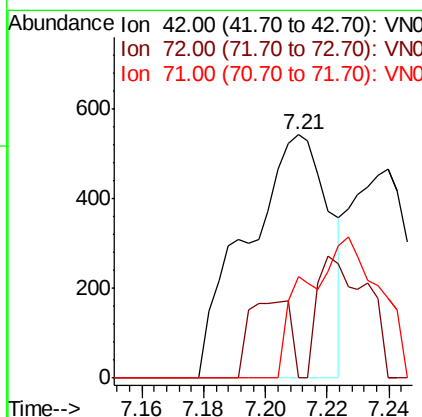
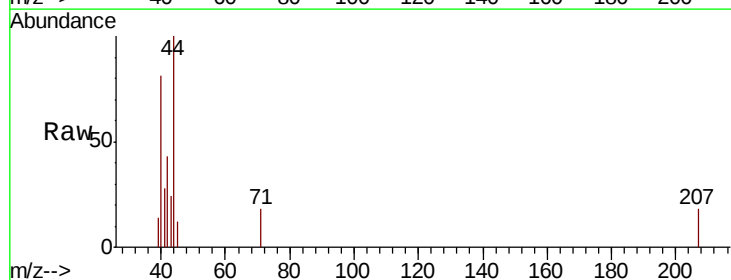
Instrument :  
MSVOA\_N  
ClientSampled :

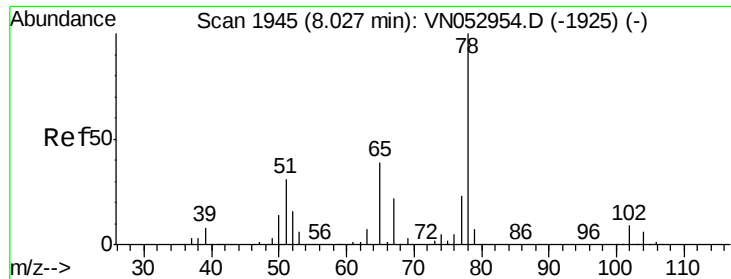
Tot Ion: 43 Resp: 3102  
Ion Ratio Lower Upper  
43 100  
72 30.1 21.0 31.6



#29  
Tetrahydrofuran  
Concen: 0.277 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN053011.D  
Acq: 19 Dec 2018 15:16

Tgt Ion: 42 Resp: 1003  
Ion Ratio Lower Upper  
42 100  
72 16.0 34.7 52.1#  
71 0.0 32.3 48.5#

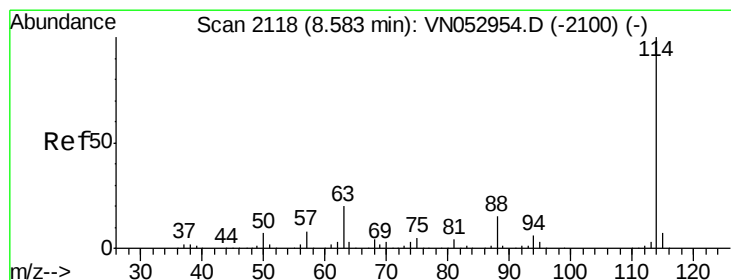
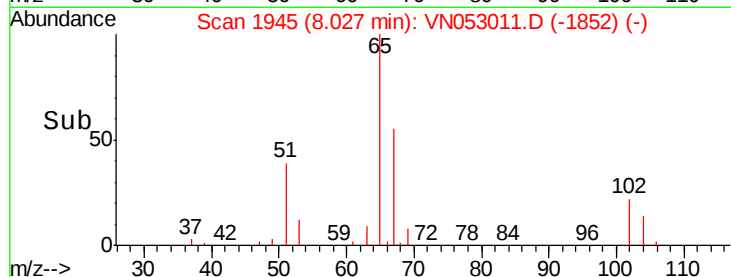
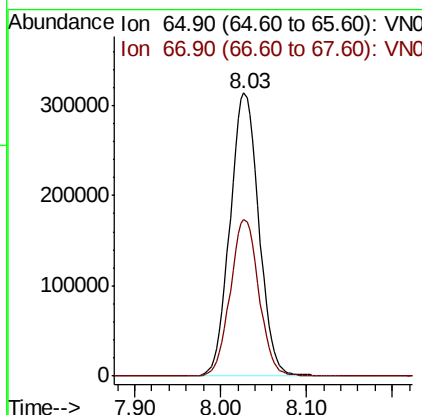
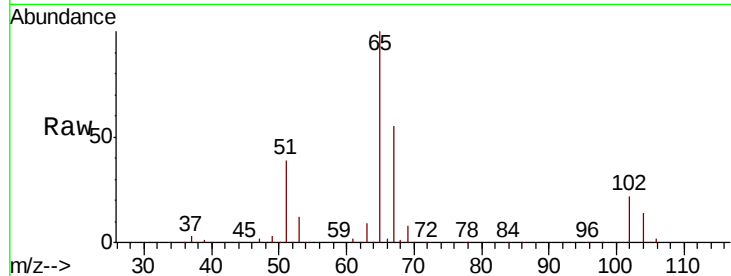




#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN053011.D  
 Acq: 19 Dec 2018 15:16

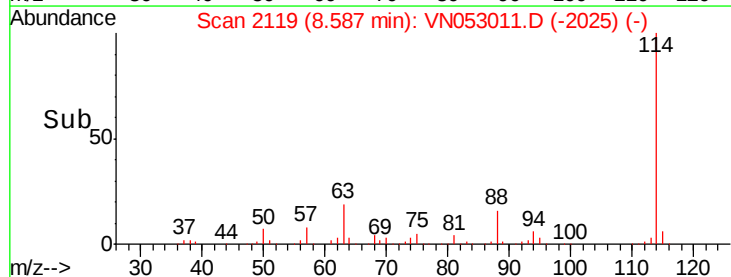
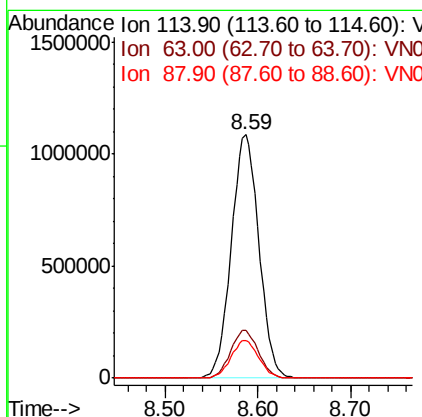
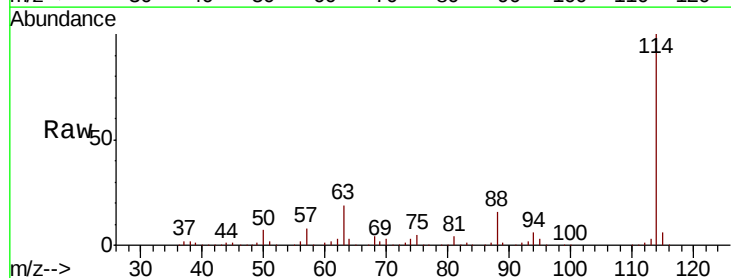
Instrument :  
 MSVOA\_N  
 ClientSampleId :

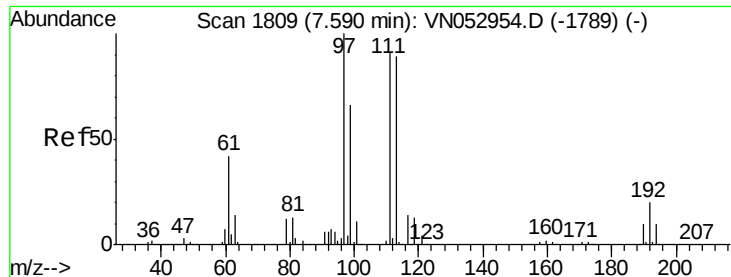
Tot Ion: 65 Resp: 731251  
 Ion Ratio Lower Upper  
 65 100  
 67 55.0 0.0 110.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053011.D  
 Acq: 19 Dec 2018 15:16

Tgt Ion: 114 Resp: 2240240  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 39.8  
 88 15.6 0.0 31.0

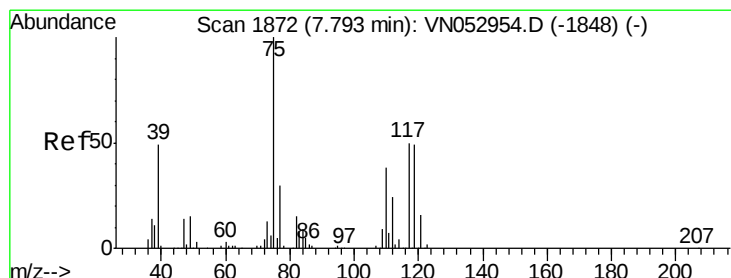
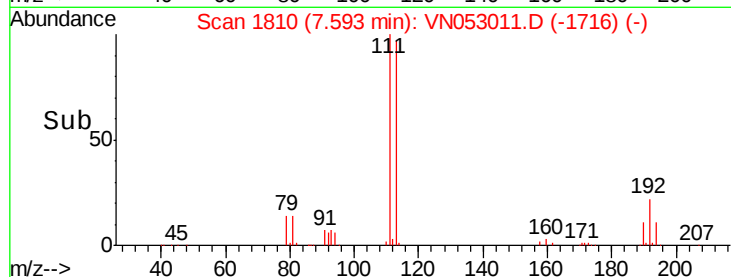
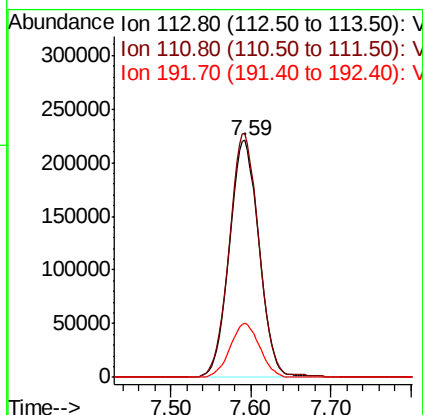
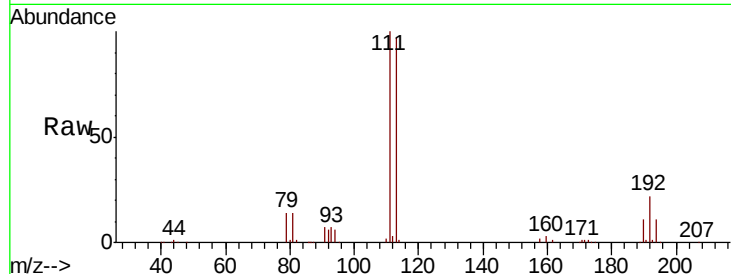




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN053011.D  
 Acq: 19 Dec 2018 15:16

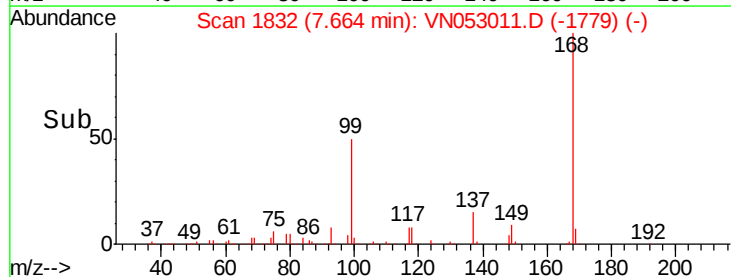
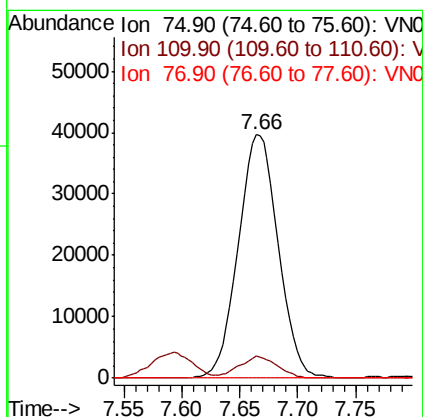
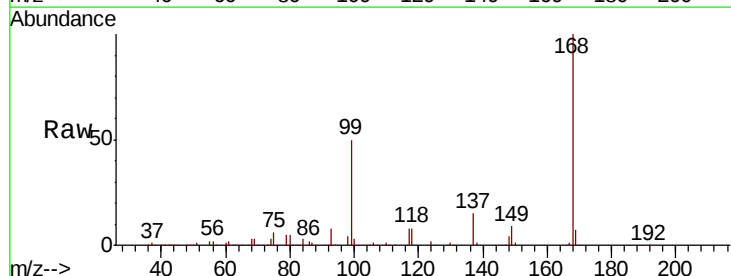
Instrument :  
 MSVOA\_N  
 ClientSampled :

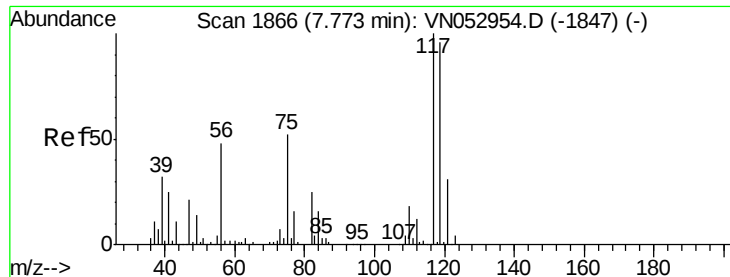
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.7 | 83.0  | 124.4 |
| 192     | 22.7  | 17.5  | 26.3  |



#36  
 1,1-Dichloropropene  
 Concen: 4.415 ug/l  
 RT: 7.66 min Scan# 1832  
 Delta R.T. -0.13 min  
 Lab File: VN053011.D  
 Acq: 19 Dec 2018 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.5   | 18.2  | 54.6# |
| 77      | 0.0   | 24.9  | 37.3# |





#38

Carbon Tetrachloride

Concen: 6.405 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053011.D

Acq: 19 Dec 2018 15:16

Instrument :

MSVOA\_N

ClientSampleId :

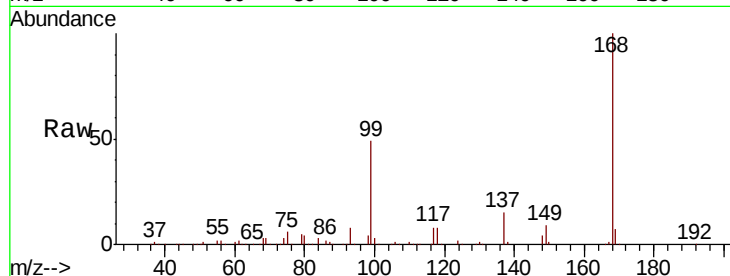
Tot Ion:117 Resp: 126243

Ion Ratio Lower Upper

117 100

119 5.2 77.1 115.7#

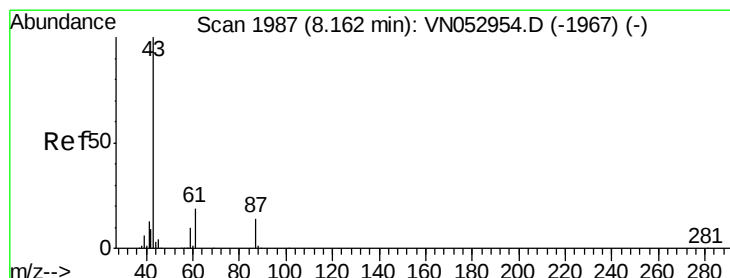
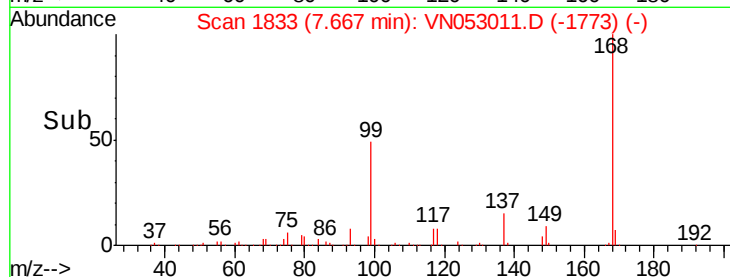
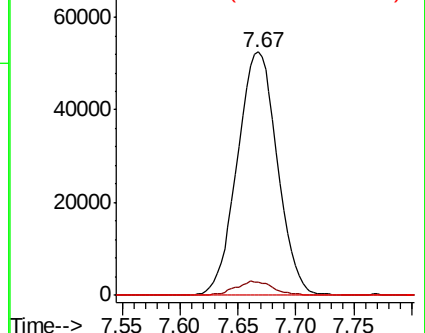
121 0.0 24.9 37.3#



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



#43

Isopropyl Acetate

Concen: 2.557 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053011.D

Acq: 19 Dec 2018 15:16

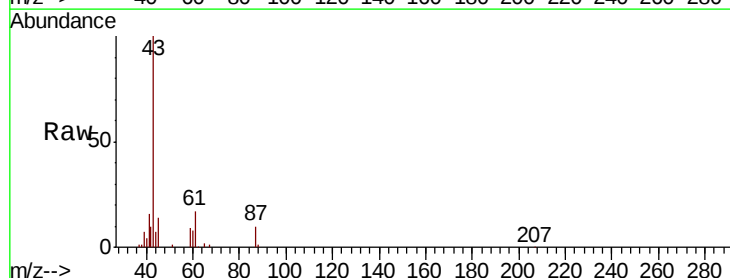
Tgt Ion: 43 Resp: 82430

Ion Ratio Lower Upper

43 100

61 17.2 22.9 34.3#

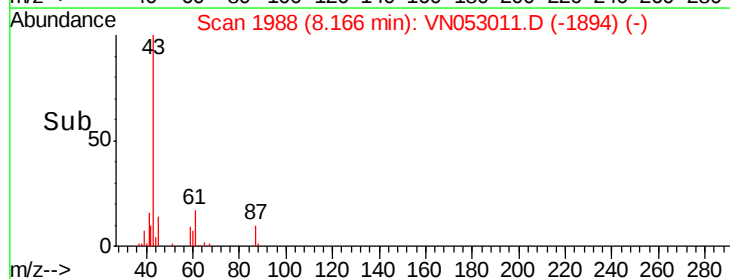
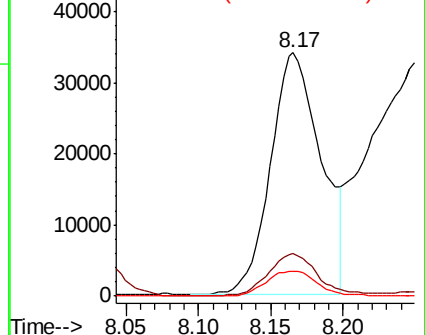
87 10.3 10.6 15.8#

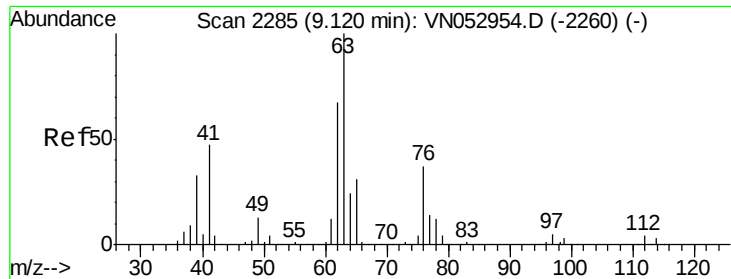


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

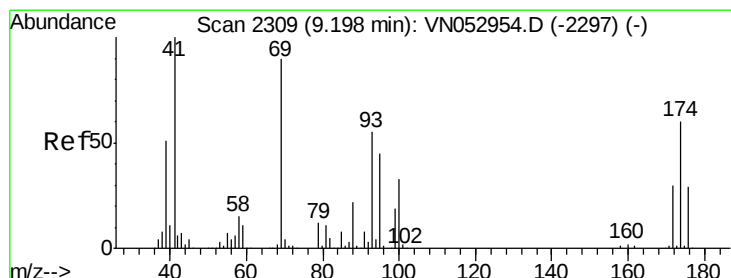
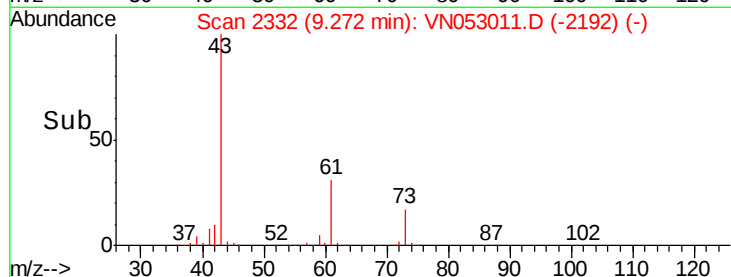
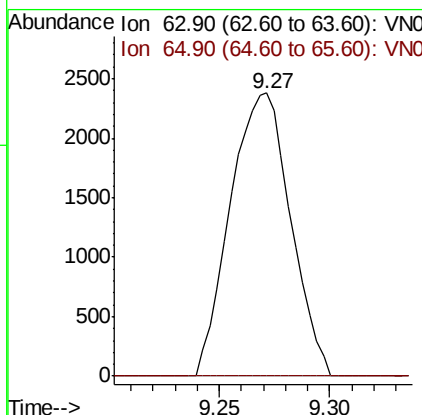
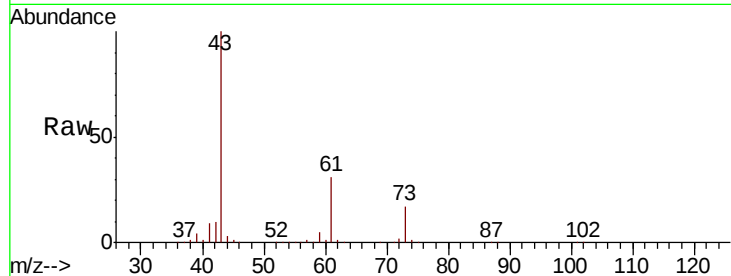




#45  
 1,2-Dichloropropane  
 Concen: 0.270 ug/l  
 RT: 9.27 min Scan# 2332  
 Delta R.T. 0.15 min  
 Lab File: VN053011.D  
 Acq: 19 Dec 2018 15:16

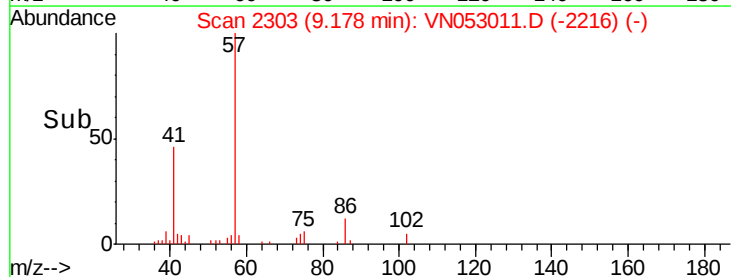
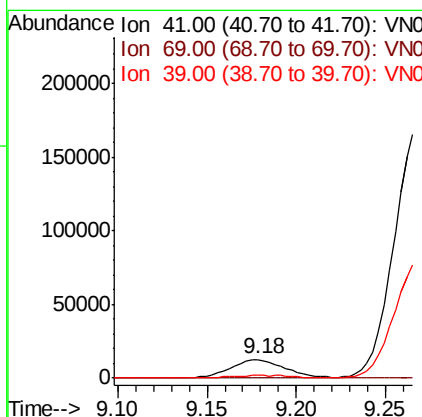
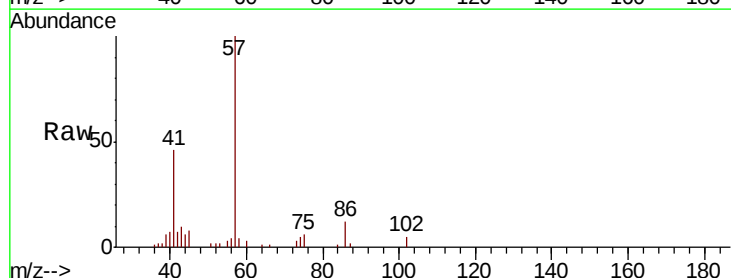
Instrument :  
 MSVOA\_N  
 ClientSampled :

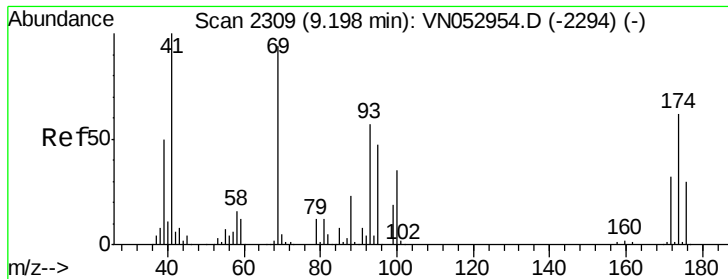
Tot Ion: 63 Resp: 4497  
 Ion Ratio Lower Upper  
 63 100  
 65 0.0 24.6 37.0#



#48  
 Methyl methacrylate  
 Concen: 2.145 ug/l  
 RT: 9.18 min Scan# 2303  
 Delta R.T. -0.02 min  
 Lab File: VN053011.D  
 Acq: 19 Dec 2018 15:16

Tgt Ion: 41 Resp: 24989  
 Ion Ratio Lower Upper  
 41 100  
 69 0.0 72.2 108.2#  
 39 0.0 41.9 62.9#





#49

1,4-Dioxane

Concen: 3.271 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.07 min

Lab File: VN053011.D

Acq: 19 Dec 2018 15:16

Instrument :  
MSVOA\_N  
ClientSampled :

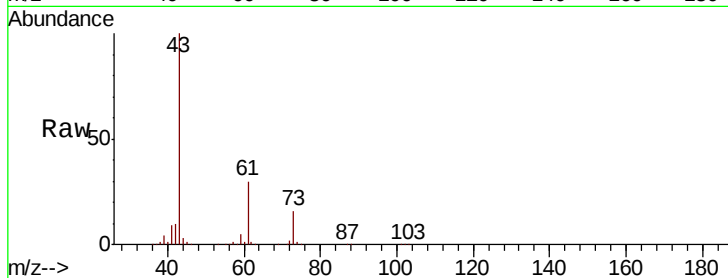
Tot Ion: 88 Resp: 482

Ion Ratio Lower Upper

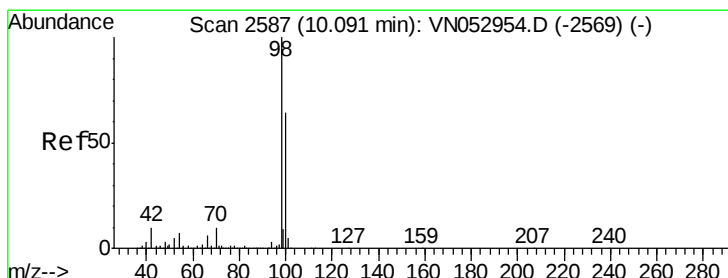
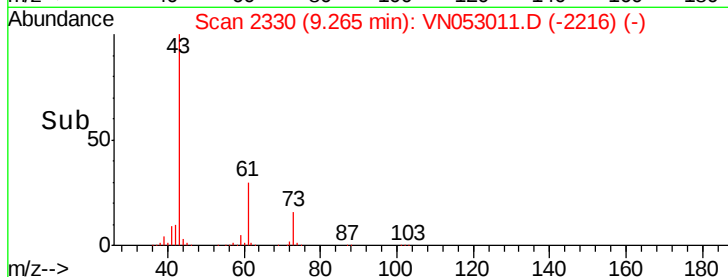
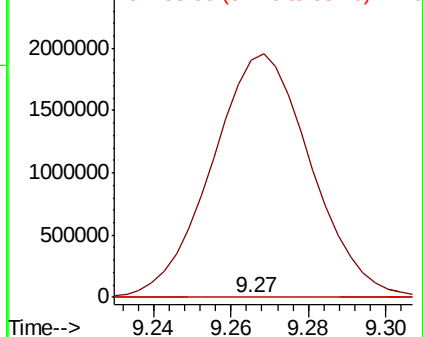
88 100

43 728049.6 26.6 40.0#

58 2981.5 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VNC  
Ion 43.00 (42.70 to 43.70): VNC  
Ion 58.00 (57.70 to 58.70): VNC



#50

Toluene-d8

Concen: 3.271 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053011.D

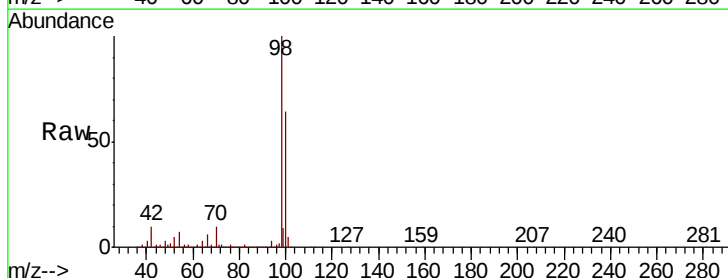
Acq: 19 Dec 2018 15:16

Tgt Ion: 98 Resp: 2727470

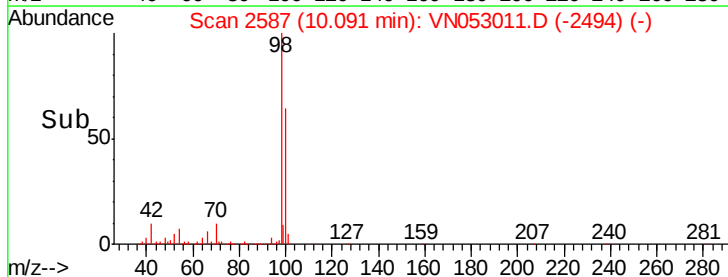
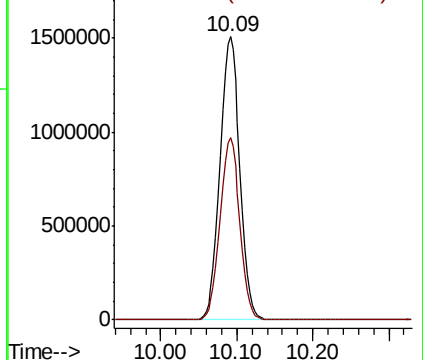
Ion Ratio Lower Upper

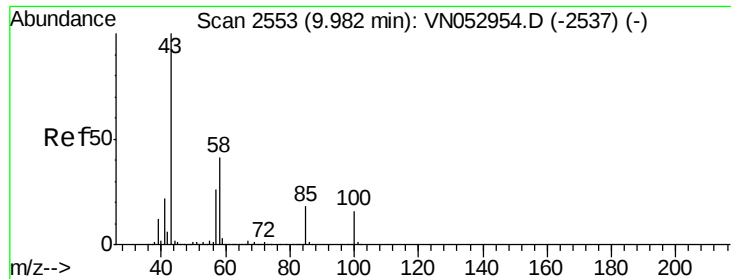
98 100

100 64.0 51.6 77.4



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





#51

4-Methyl-2-Pentanone

Concen: 2.584 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053011.D

Acq: 19 Dec 2018 15:16

Instrument :

MSVOA\_N

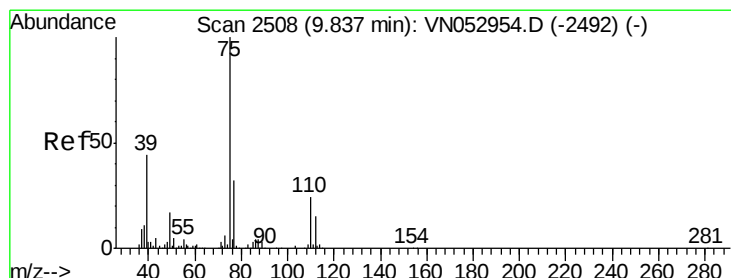
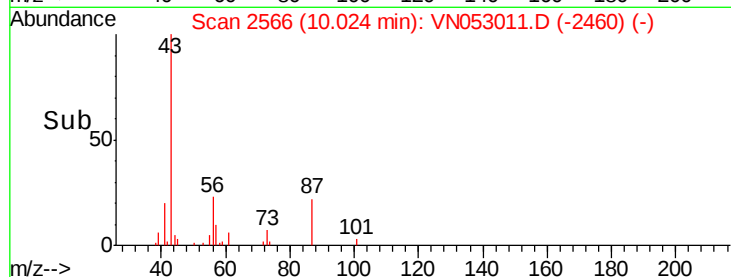
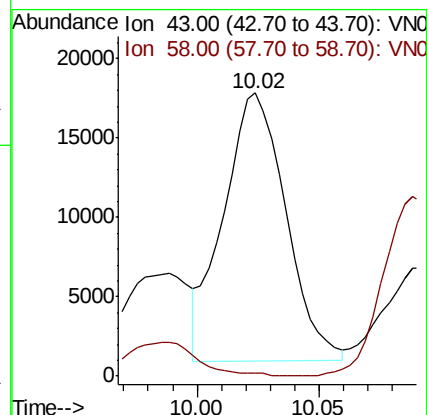
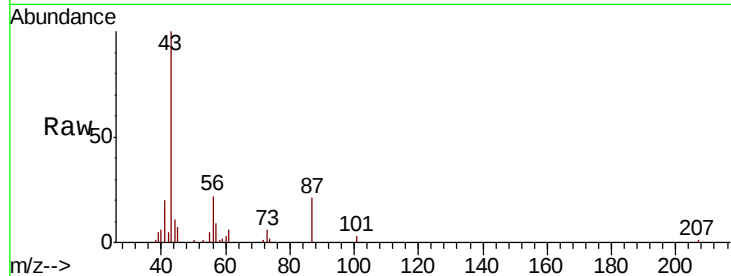
ClientSampleId :

Tot Ion: 43 Resp: 30033

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.4#



#54

cis-1,3-Dichloropropene

Concen: 8.246 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.06 min

Lab File: VN053011.D

Acq: 19 Dec 2018 15:16

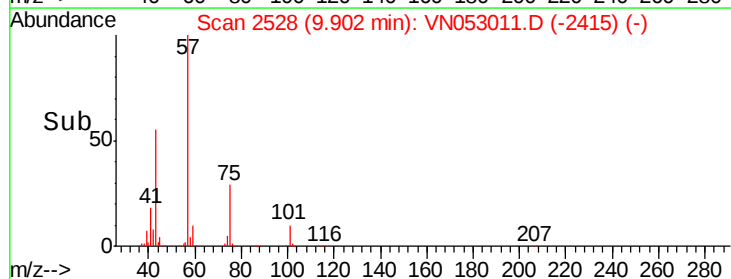
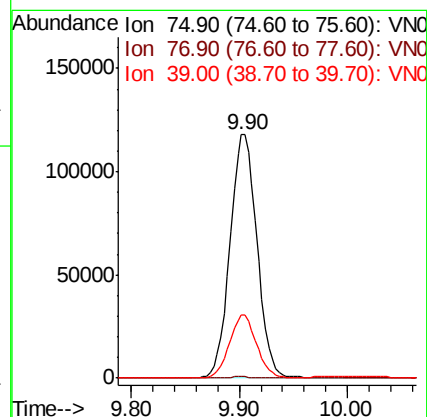
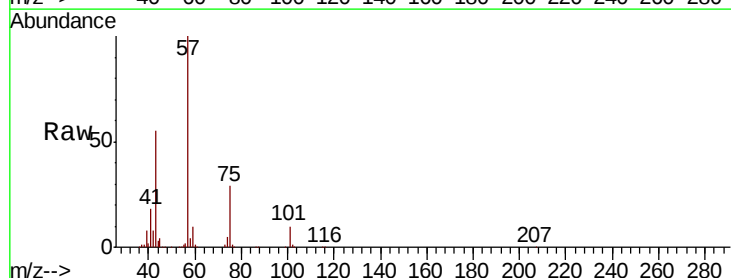
Tgt Ion: 75 Resp: 205320

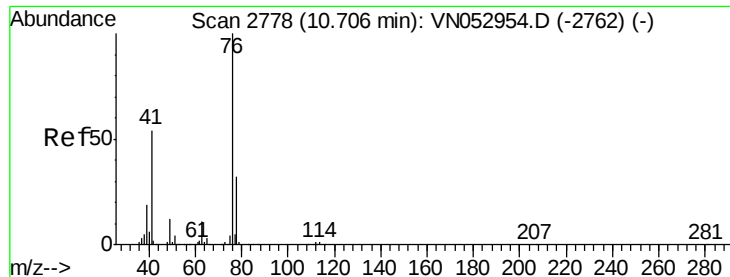
Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.8#

39 25.8 34.8 52.2#

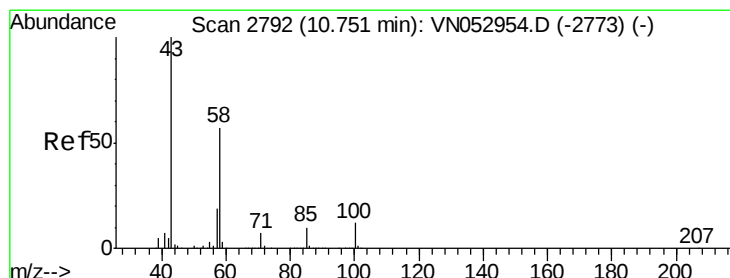
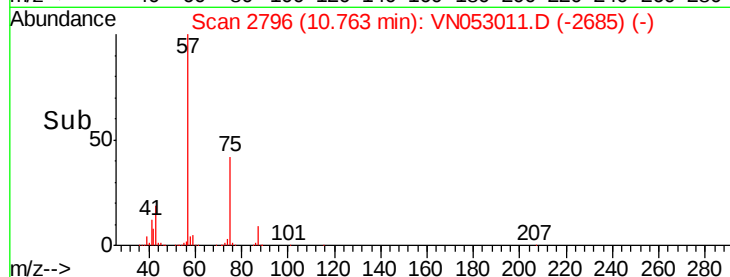
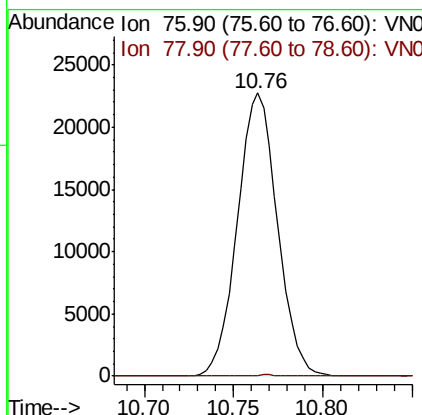
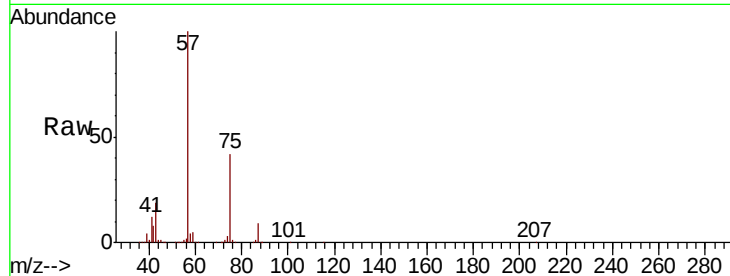




#57  
 1,3-Dichloropropane  
 Concen: 1.503 ug/l  
 RT: 10.76 min Scan# 2796  
 Delta R.T. 0.06 min  
 Lab File: VN053011.D  
 Acq: 19 Dec 2018 15:16

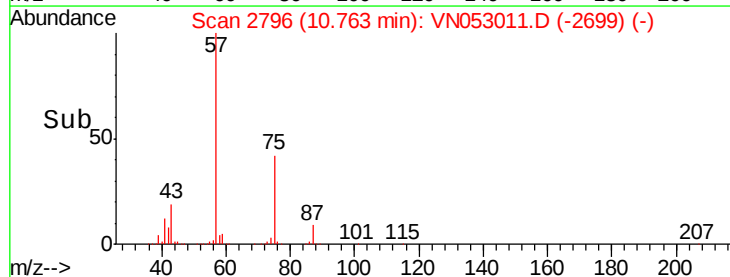
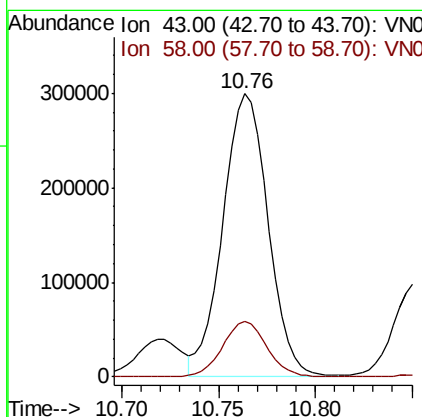
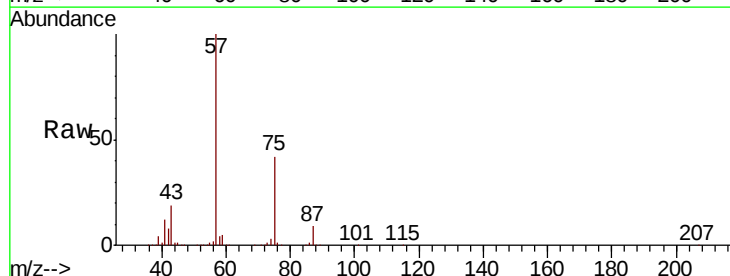
Instrument :  
 MSVOA\_N  
 ClientSampled :

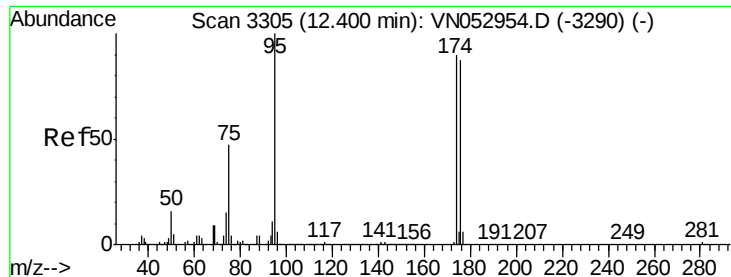
Tot Ion: 76 Resp: 35647  
 Ion Ratio Lower Upper  
 76 100  
 78 0.2 25.8 38.8#



#59  
 2-Hexanone  
 Concen: 61.496 ug/l  
 RT: 10.76 min Scan# 2796  
 Delta R.T. 0.01 min  
 Lab File: VN053011.D  
 Acq: 19 Dec 2018 15:16

Tgt Ion: 43 Resp: 483667  
 Ion Ratio Lower Upper  
 43 100  
 58 19.4 28.1 84.3#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053011.D

Acq: 19 Dec 2018 15:16

Instrument :

MSVOA\_N

ClientSampleId :

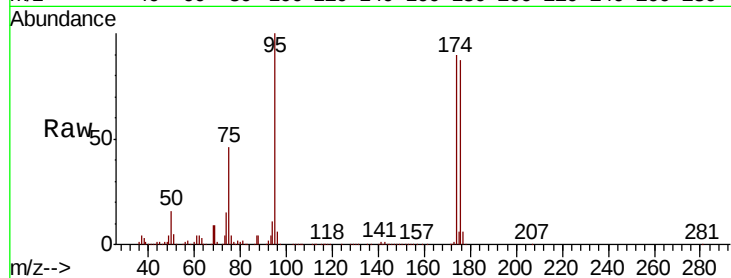
Tot Ion: 95 Resp: 876361

Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.8

176 86.5 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)

12.40

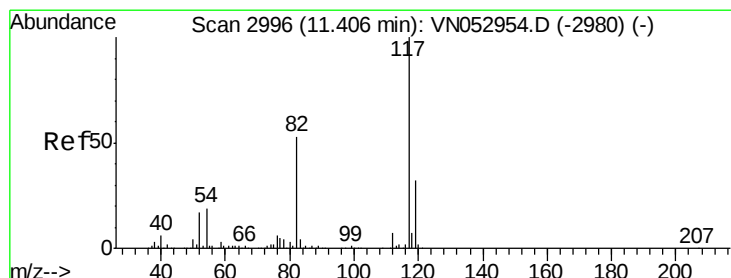
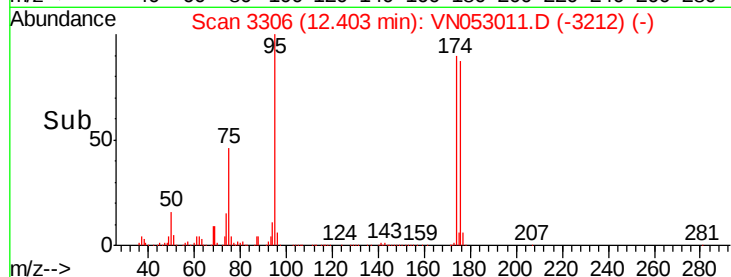
600000

400000

200000

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: VN053011.D

Acq: 19 Dec 2018 15:16

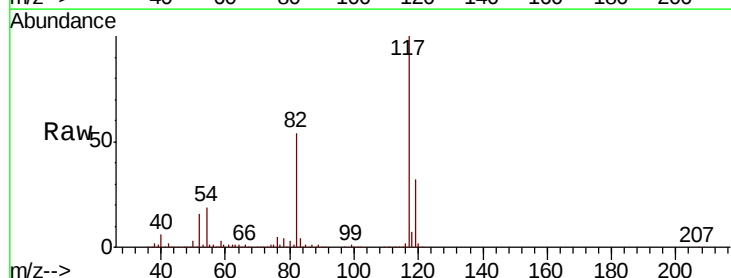
Tgt Ion: 117 Resp: 1987808

Ion Ratio Lower Upper

117 100

82 53.6 42.8 64.2

119 32.1 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)

11.41

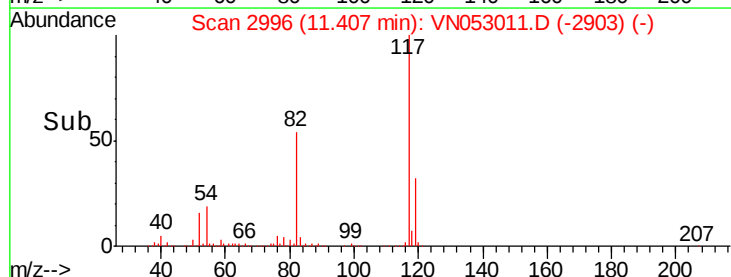
1500000

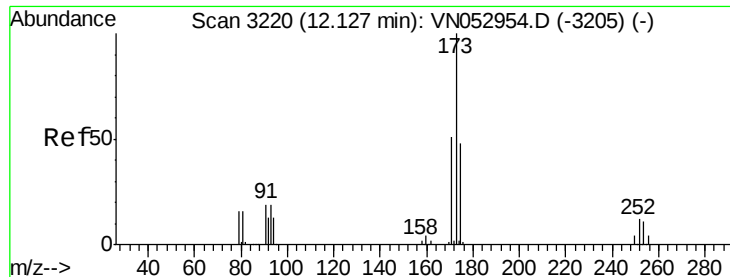
1000000

500000

0

Time--> 11.30 11.40 11.50

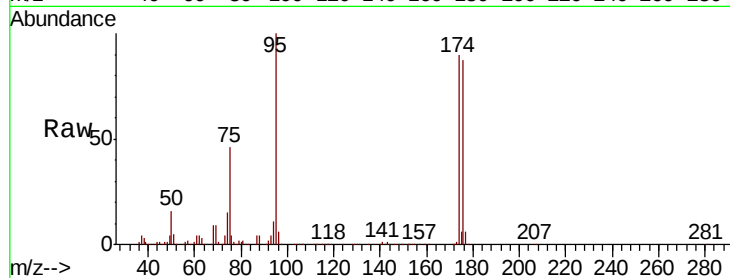




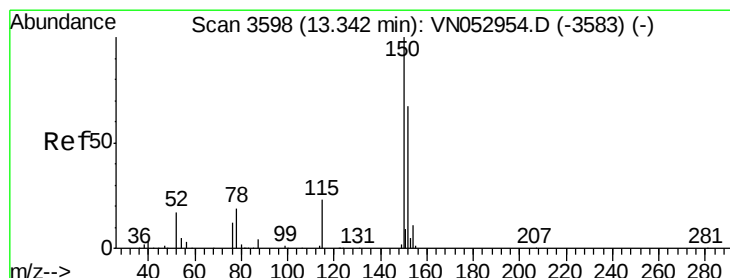
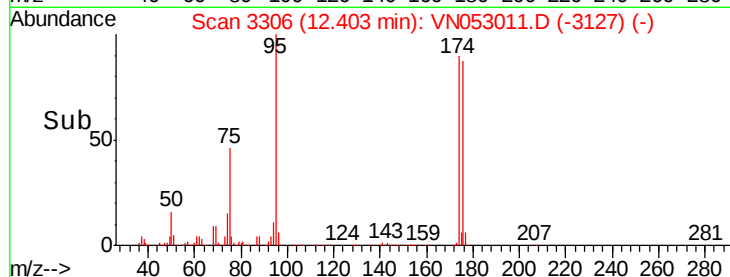
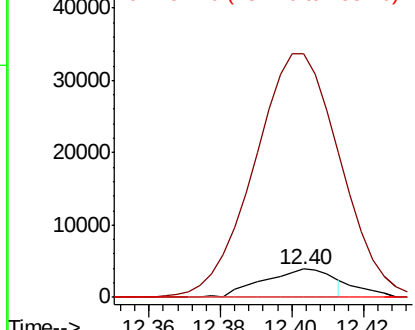
#71  
Bromoform  
Concen: 0.479 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.28 min  
Lab File: VN053011.D  
Acq: 19 Dec 2018 15:16

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:173 Resp: 5300  
Ion Ratio Lower Upper  
173 100  
175 936.9 24.3 72.9#  
254 0.0 0.1 0.1#

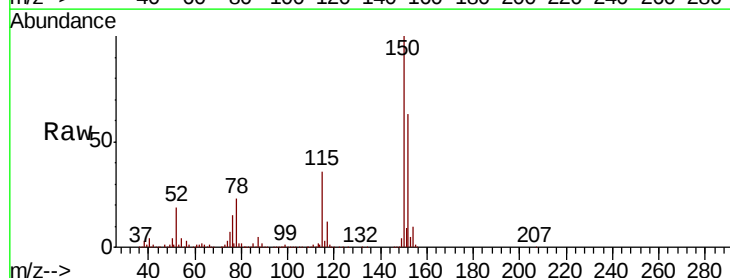


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

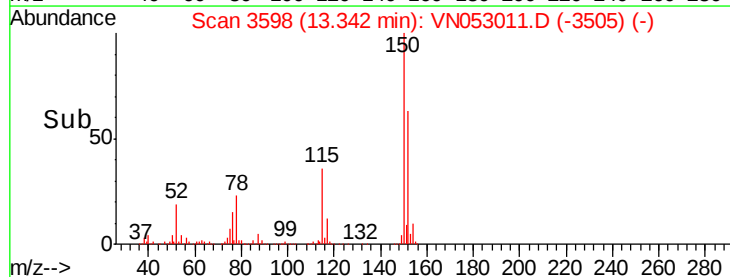
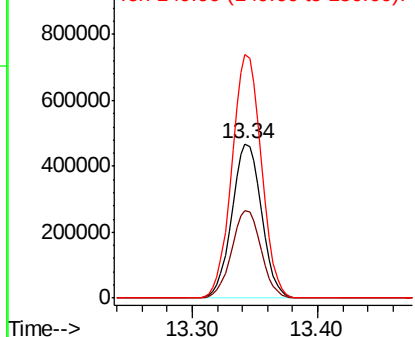


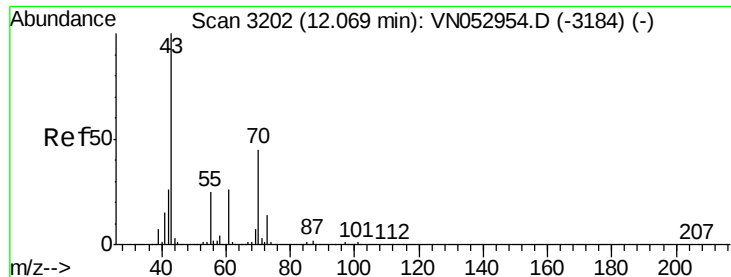
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN053011.D  
Acq: 19 Dec 2018 15:16

Tgt Ion:152 Resp: 768231  
Ion Ratio Lower Upper  
152 100  
115 56.2 28.3 85.0  
150 156.8 0.0 347.8



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: 3.698 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053011.D

Acq: 19 Dec 2018 15:16

Instrument :

MSVOA\_N

ClientSampleId :

Tot Ion: 43 Resp: 61710

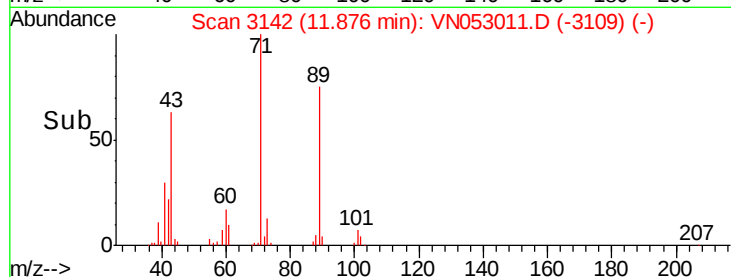
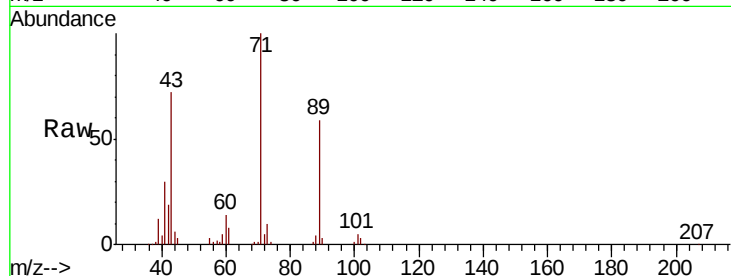
Ion Ratio Lower Upper

43 100

70 2.1 34.2 51.4#

55 4.3 20.3 30.5#

61 11.2 20.0 30.0#

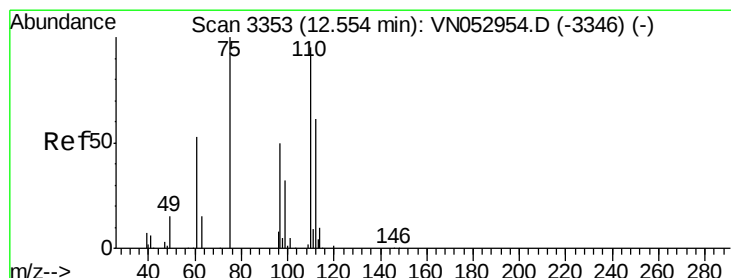
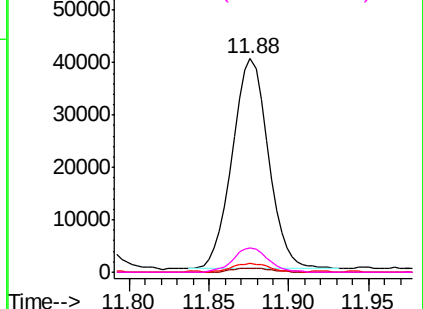


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 31.566 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053011.D

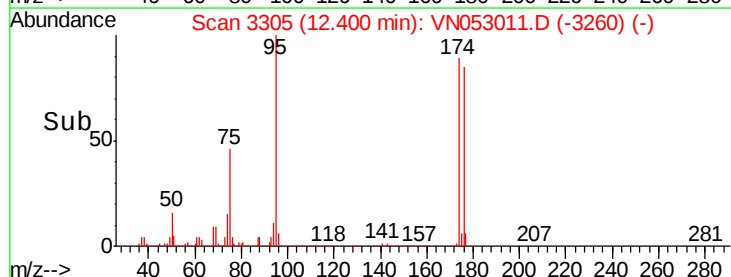
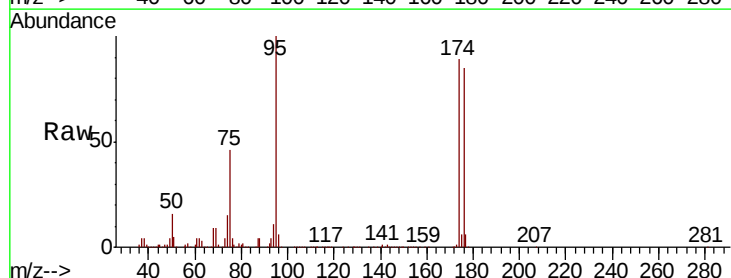
Acq: 19 Dec 2018 15:16

Tgt Ion: 75 Resp: 408224

Ion Ratio Lower Upper

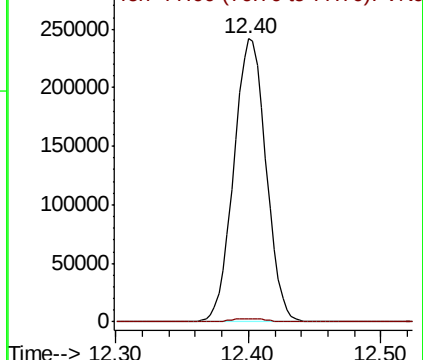
75 100

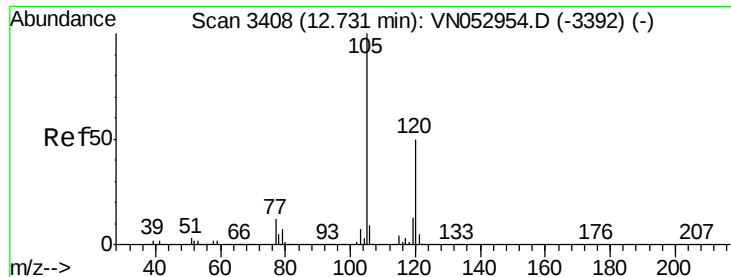
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#80

1,3,5-Trimethylbenzene

Concen: 0.485 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053011.D

Acq: 19 Dec 2018 15:16

Instrument :

MSVOA\_N

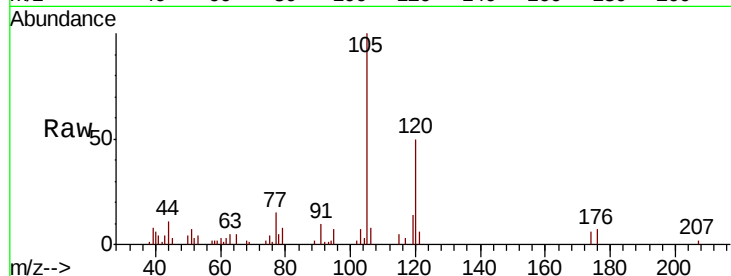
ClientSampleId :

Tot Ion:105 Resp: 23745

Ion Ratio Lower Upper

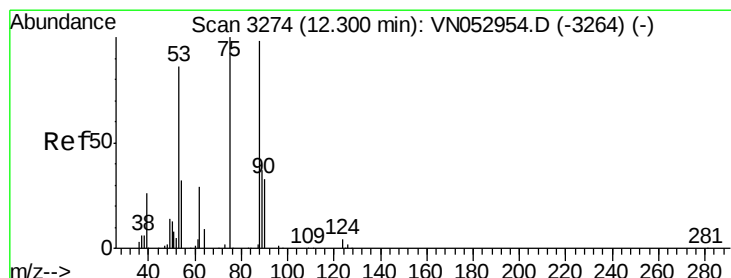
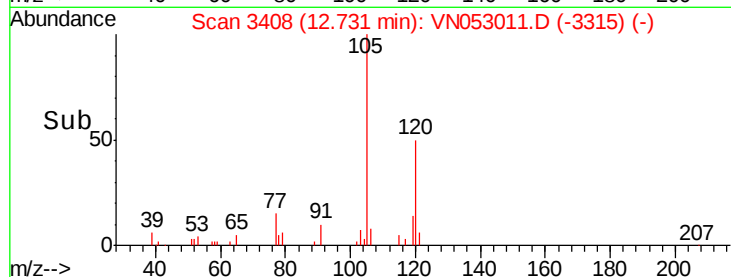
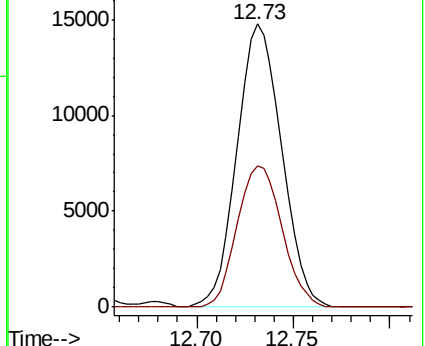
105 100

120 50.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 101.741 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053011.D

Acq: 19 Dec 2018 15:16

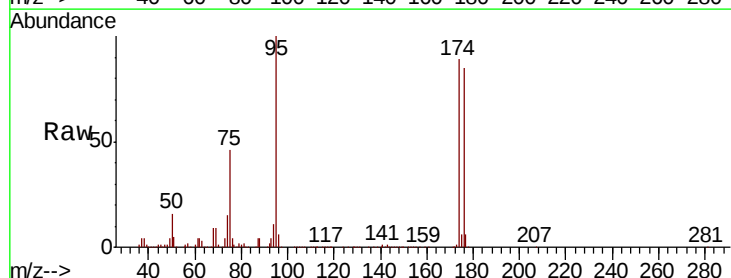
Tgt Ion: 75 Resp: 408224

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

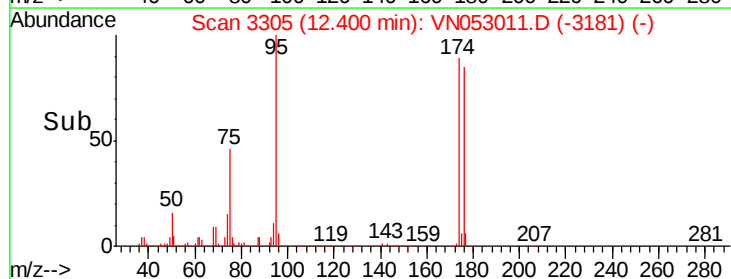
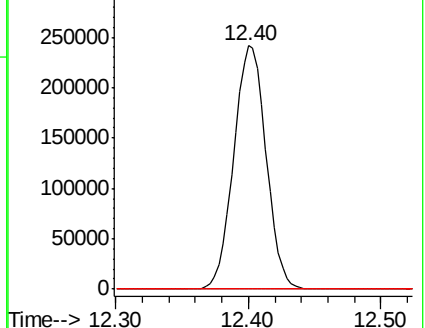
89 0.0 36.1 54.1#

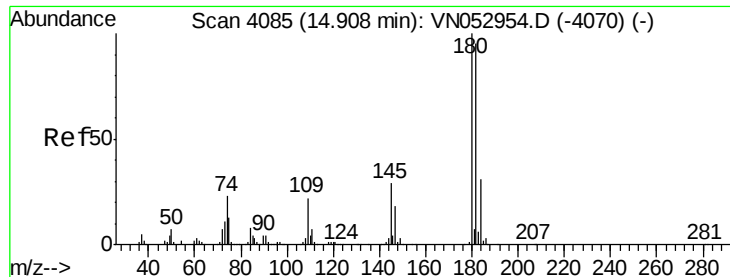


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

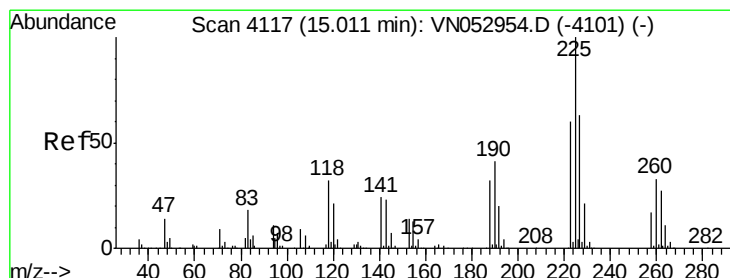
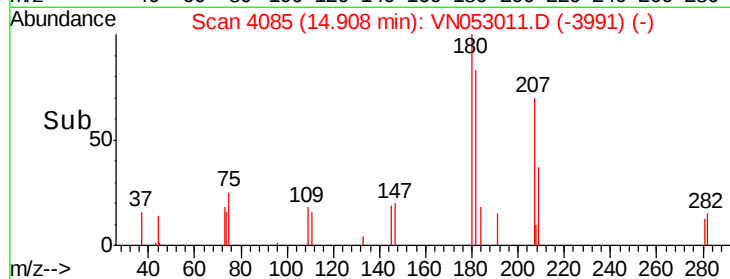
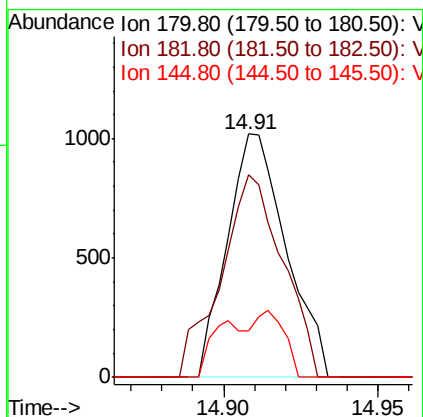
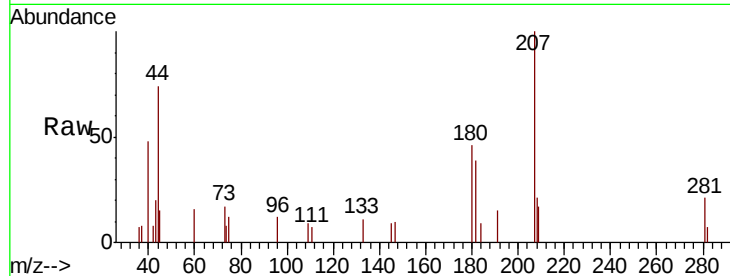




#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.693 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN053011.D  
 Acq: 19 Dec 2018 15:16

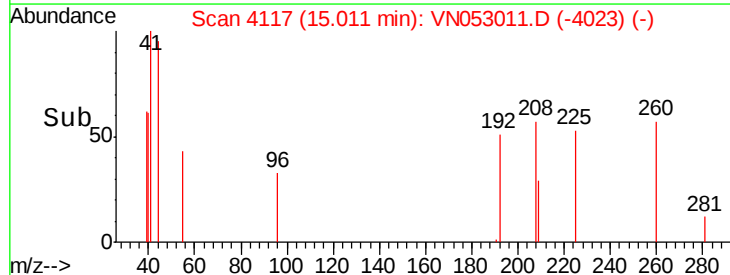
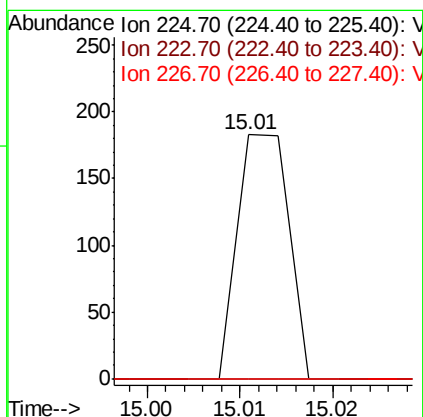
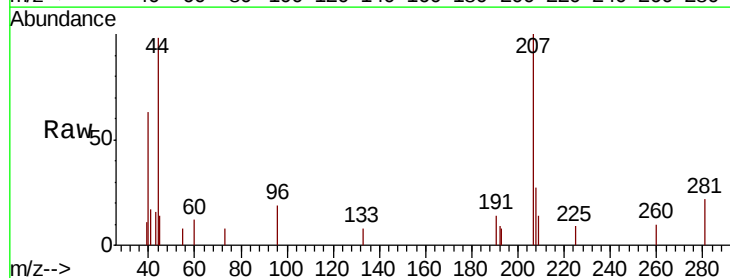
Instrument :  
 MSVOA\_N  
 ClientSampled :

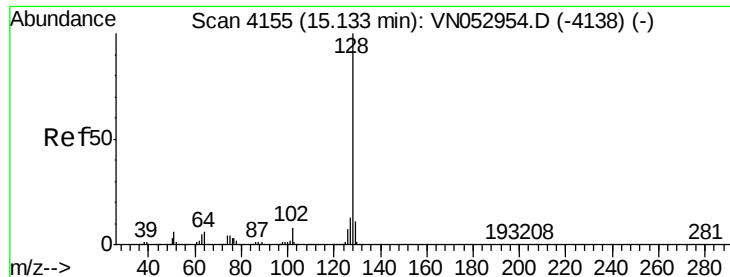
Tot Ion:180 Resp: 1351  
 Ion Ratio Lower Upper  
 180 100  
 182 87.3 47.8 143.3  
 145 13.3 14.2 42.6#



#94  
 Hexachlorobutadiene  
 Concen: Below Cal  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN053011.D  
 Acq: 19 Dec 2018 15:16

Tgt Ion:225 Resp: 70  
 Ion Ratio Lower Upper  
 225 100  
 223 0.0 31.5 94.5#  
 227 0.0 31.9 95.7#





#95

Naphthalene

Concen: 1.263 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053011.D

Acq: 19 Dec 2018 15:16

Instrument :

MSVOA\_N

ClientSampled :

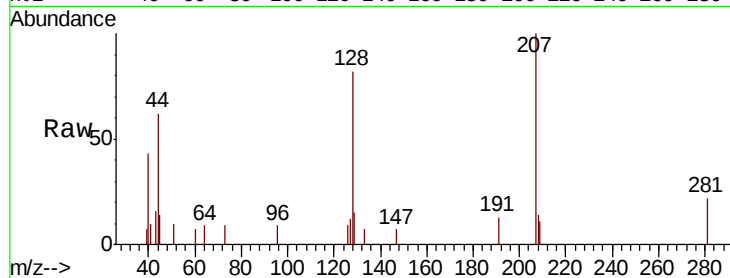
Tot Ion:128 Resp: 3590

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

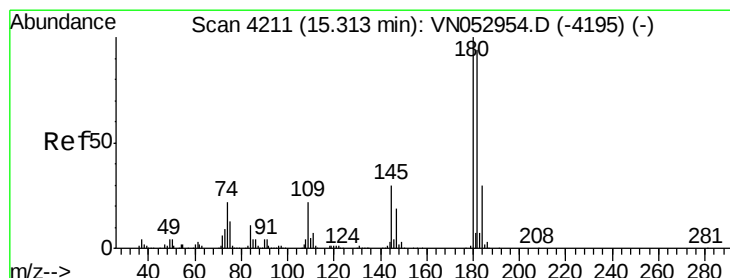
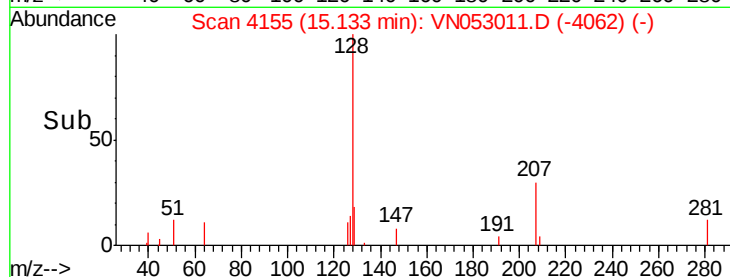
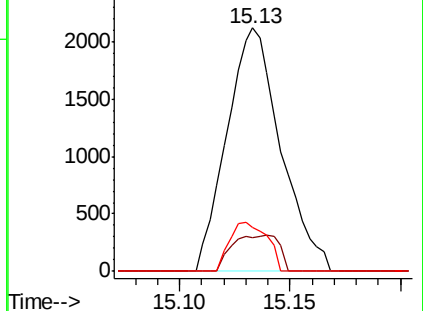
129 14.0 8.6 13.0#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.609 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053011.D

Acq: 19 Dec 2018 15:16

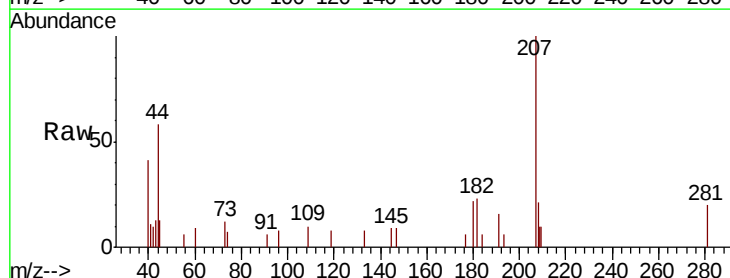
Tgt Ion:180 Resp: 1264

Ion Ratio Lower Upper

180 100

182 91.7 47.9 143.7

145 21.8 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

