

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021720\  
 Data File : VN060111.D  
 Acq On : 17 Feb 2020 12:06  
 Operator : JC/MD  
 Sample : VN0217MBL01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Feb 17 13:58:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 178371   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 285522   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 254722   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 100899   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 108605   | 50.04 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.08% |      |
| 35) Dibromofluoromethane  | 7.56   | 113 | 85647    | 48.80 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.60%  |      |
| 50) Toluene-d8            | 10.08  | 98  | 342200   | 49.51 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.02%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 116754   | 45.97 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.94%  |      |

## Target Compounds

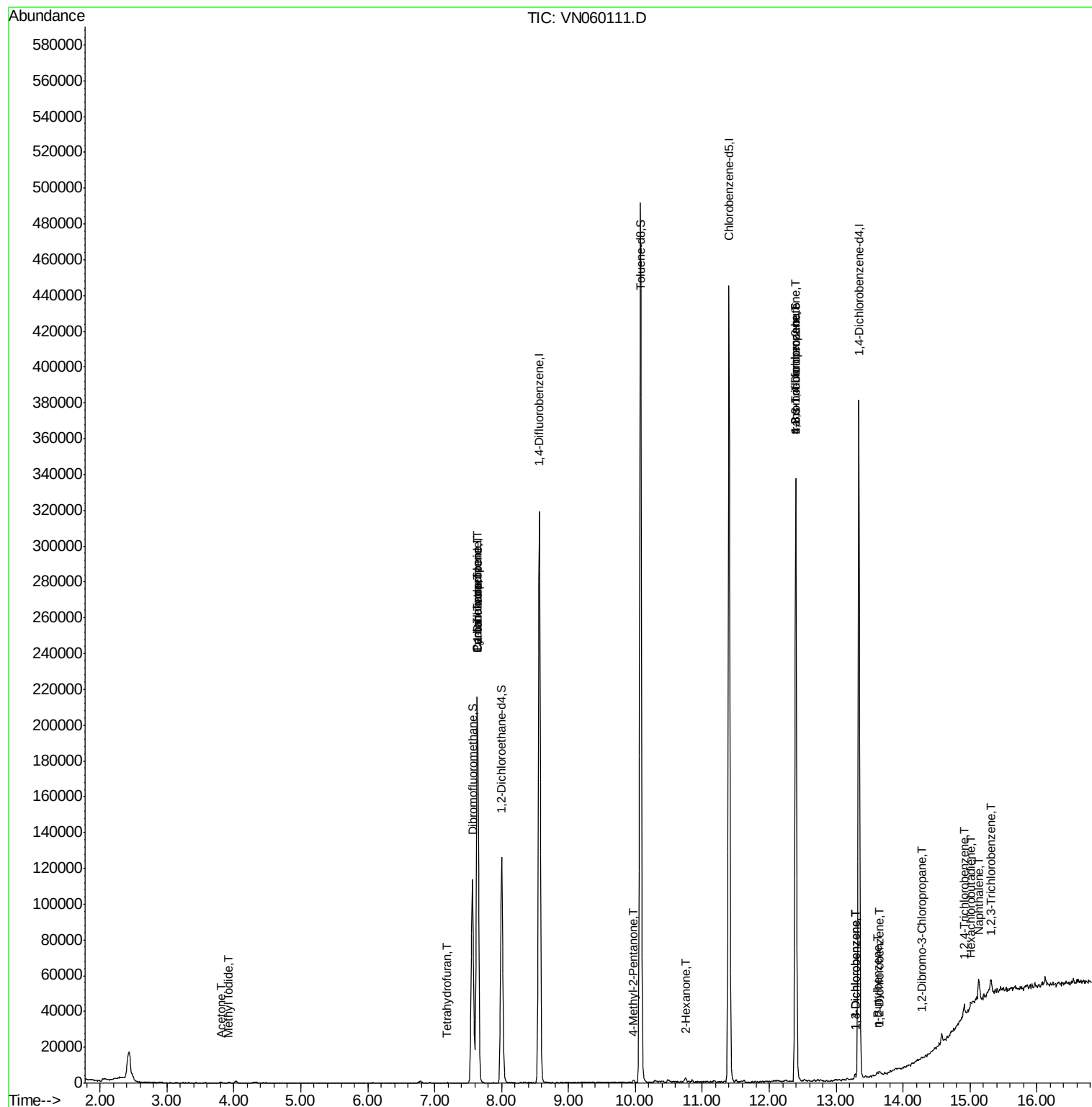
|                                |       |     |       |        | Qvalue |     |
|--------------------------------|-------|-----|-------|--------|--------|-----|
| 10) Methyl Iodide              | 3.92  | 142 | 217   | 2.578  | ug/l # | 42  |
| 16) Acetone                    | 3.80  | 43  | 518   | 0.547  | ug/l # | 43  |
| 29) Tetrahydrofuran            | 7.19  | 42  | 189   | 0.259  | ug/l # | 30  |
| 31) Cyclohexane                | 7.64  | 56  | 3799  | 1.238  | ug/l # | 1   |
| 36) 1,1-Dichloropropene        | 7.64  | 75  | 13444 | 5.084  | ug/l # | 48  |
| 38) Carbon Tetrachloride       | 7.64  | 117 | 17388 | 6.054  | ug/l # | 15  |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43  | 1009  | 0.427  | ug/l   | 93  |
| 59) 2-Hexanone                 | 10.75 | 43  | 1892  | 1.036  | ug/l   | 89  |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 60455 | 31.317 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 60455 | 76.680 | ug/l # | 12  |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146 | 898   | 0.271  | ug/l   | 92  |
| 88) 1,4-Dichlorobenzene        | 13.28 | 146 | 898   | 0.271  | ug/l   | 93  |
| 89) n-Butylbenzene             | 13.62 | 91  | 1644  | 0.281  | ug/l   | 97  |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146 | 1095  | 0.338  | ug/l   | 88  |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75  | 542   | 0.410  | ug/l # | 6   |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180 | 2389  | 1.255  | ug/l   | 97  |
| 94) Hexachlorobutadiene        | 15.01 | 225 | 545   | 0.489  | ug/l   | 87  |
| 95) Naphthalene                | 15.13 | 128 | 9745  | 1.895  | ug/l   | 96  |
| 96) 1,2,3-Trichlorobenzene     | 15.31 | 180 | 3340  | 1.762  | ug/l   | 91  |

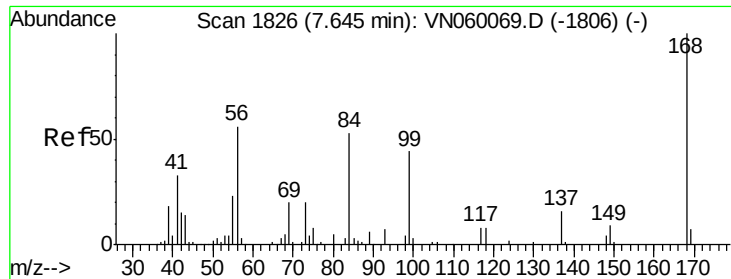
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021720\  
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Sample : VN0217MBL01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampled :

Quant Time: Feb 17 13:58:10 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 12 14:12:21 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060111.D

Acq: 17 Feb 2020 12:06

Instrument :

MSVOA\_N

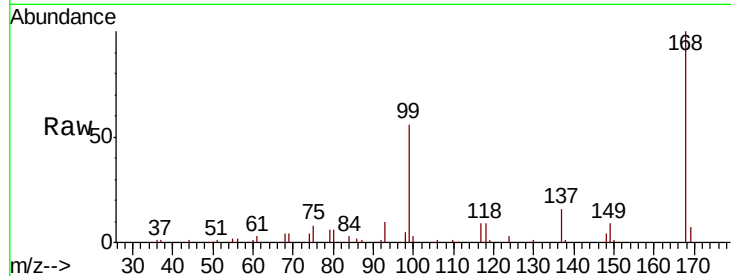
ClientSampleId :

Tot Ion:168 Resp: 178371

Ion Ratio Lower Upper

168 100

99 56.0 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

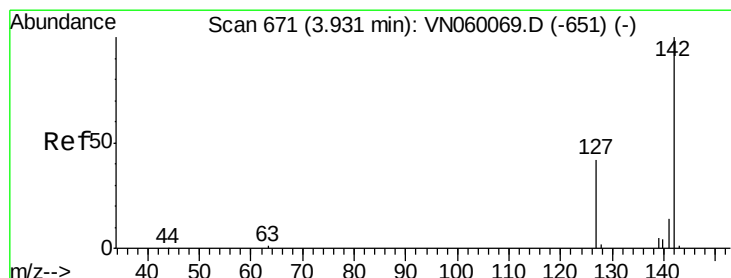
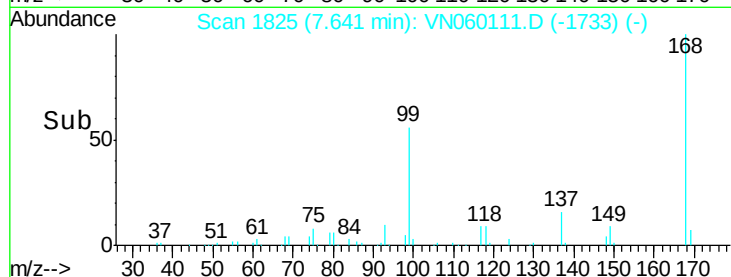
40000

20000

0

7.60 7.70 7.80

Time-->



#10

Methyl Iodide

Concen: 2.578 ug/l

RT: 3.92 min Scan# 667

Delta R.T. -0.01 min

Lab File: VN060111.D

Acq: 17 Feb 2020 12:06

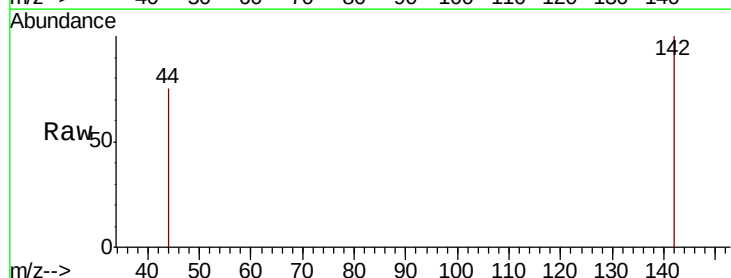
Tgt Ion:142 Resp: 217

Ion Ratio Lower Upper

142 100

127 0.0 33.6 50.4#

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.92

300

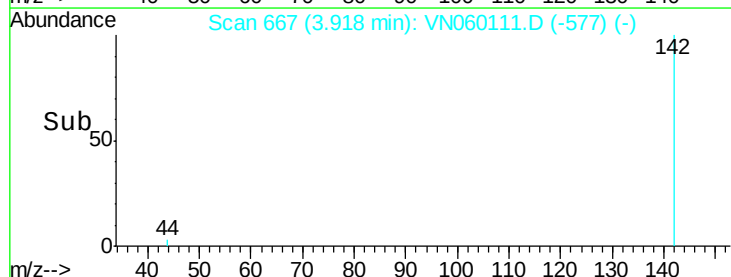
200

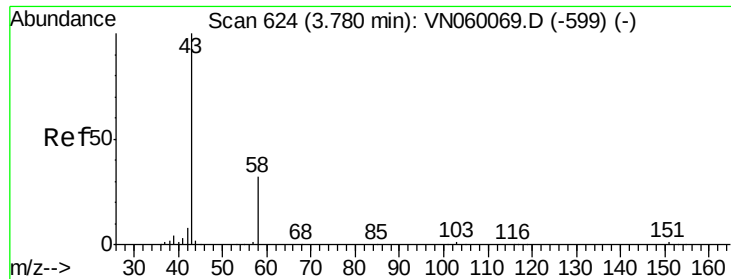
100

0

3.90 3.91 3.92 3.93

Time-->

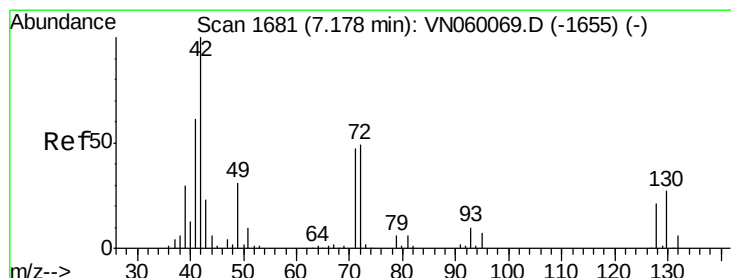
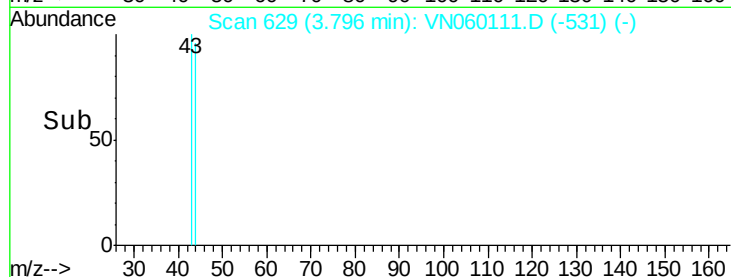
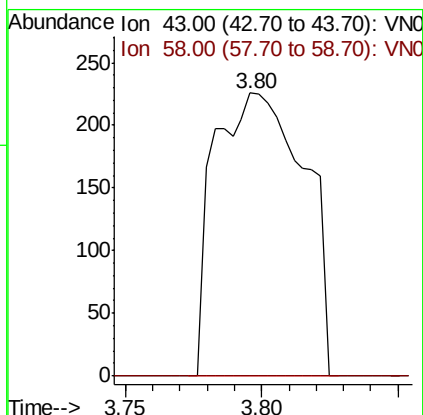
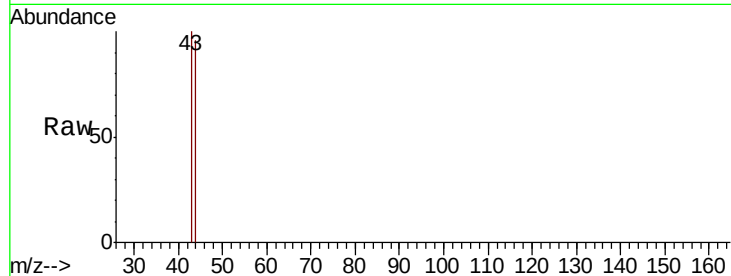




#16  
Acetone  
Concen: 0.547 ug/l  
RT: 3.80 min Scan# 629  
Delta R.T. 0.02 min  
Lab File: VN060111.D  
Acq: 17 Feb 2020 12:06

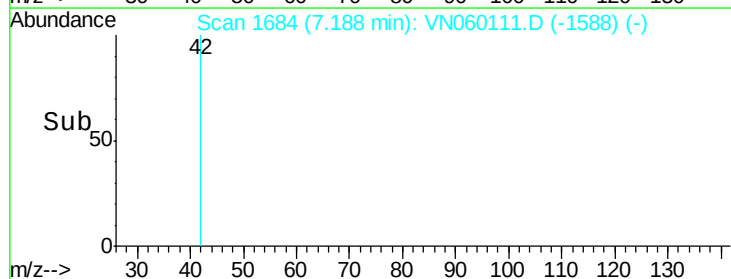
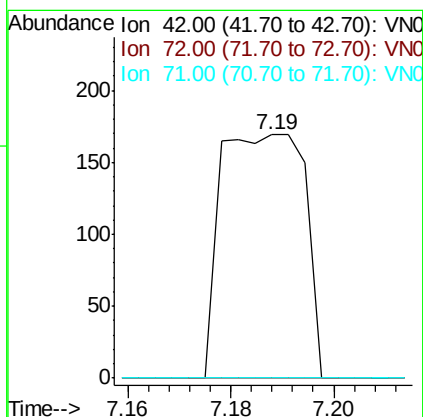
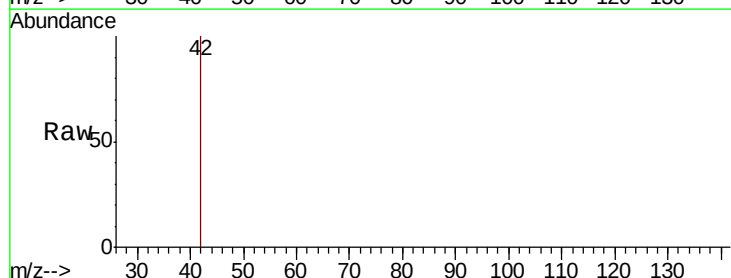
Instrument :  
MSVOA\_N  
ClientSampled :

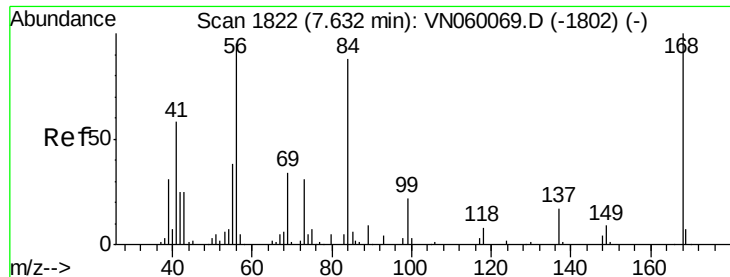
Tot Ion: 43 Resp: 518  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.2 37.8#



#29  
Tetrahydrofuran  
Concen: 0.259 ug/l  
RT: 7.19 min Scan# 1684  
Delta R.T. 0.01 min  
Lab File: VN060111.D  
Acq: 17 Feb 2020 12:06

Tgt Ion: 42 Resp: 189  
Ion Ratio Lower Upper  
42 100  
72 0.0 38.2 57.4#  
71 0.0 36.6 54.8#

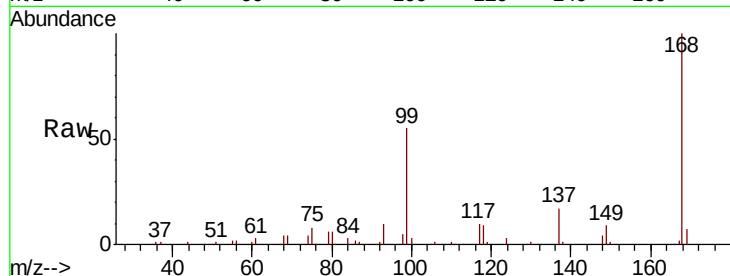




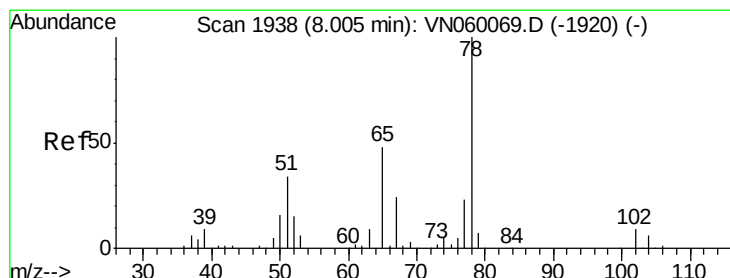
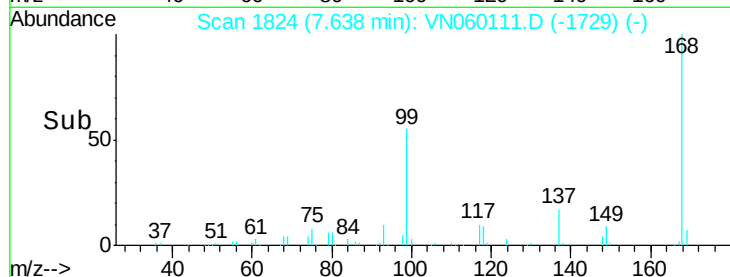
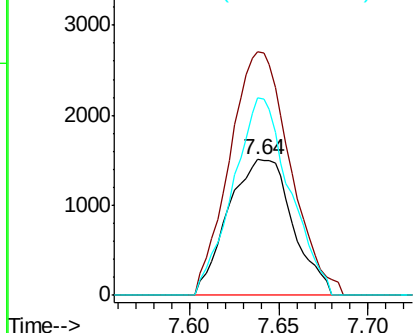
#31  
Cyclohexane  
Concen: 1.238 ug/l  
RT: 7.64 min Scan# 1824  
Delta R.T. 0.01 min  
Lab File: VN060111.D  
Acq: 17 Feb 2020 12:06

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 56 Resp: 3799  
Ion Ratio Lower Upper  
56 100  
69 179.4 28.3 42.5#  
84 145.8 72.6 108.8#

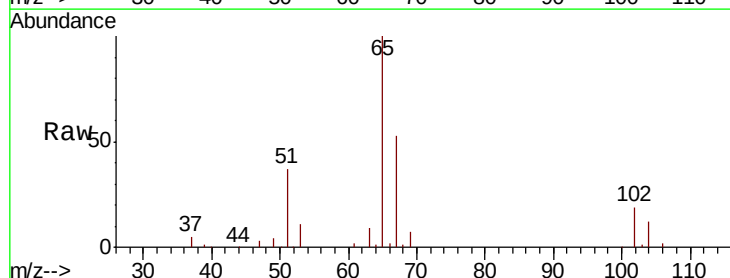


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

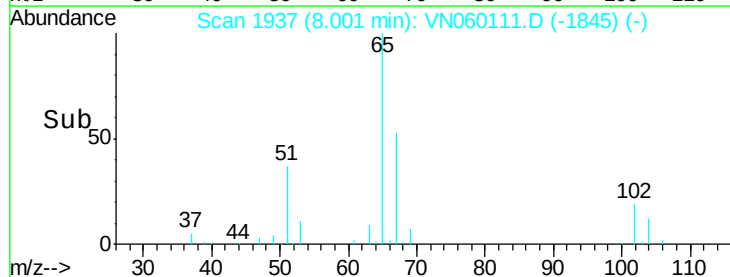
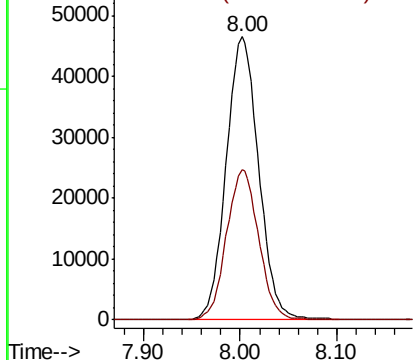


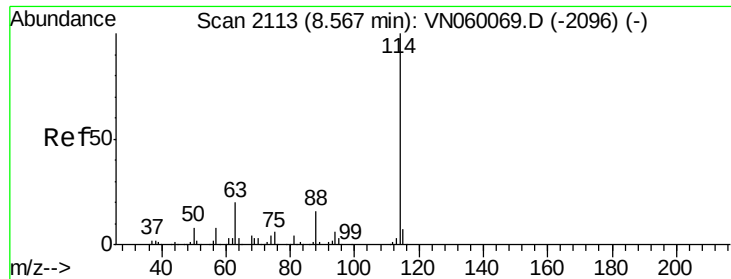
#33  
1,2-Dichloroethane-d4  
Concen: 50.038 ug/l  
RT: 8.00 min Scan# 1937  
Delta R.T. -0.00 min  
Lab File: VN060111.D  
Acq: 17 Feb 2020 12:06

Tgt Ion: 65 Resp: 108605  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0  
Ion 66.90 (66.60 to 67.60): VN0

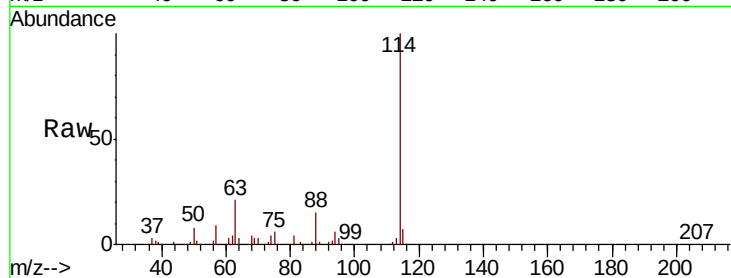




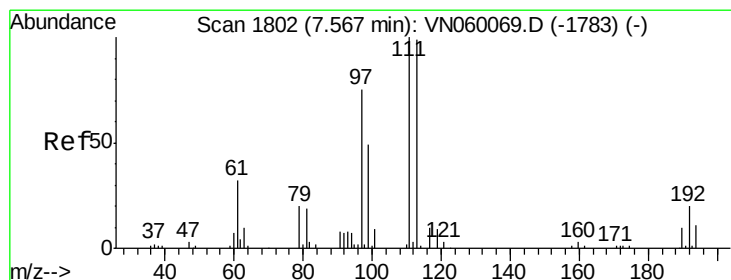
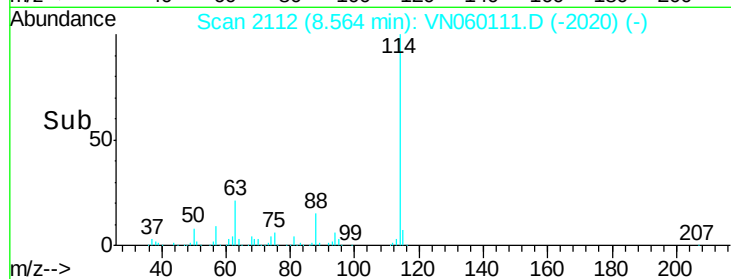
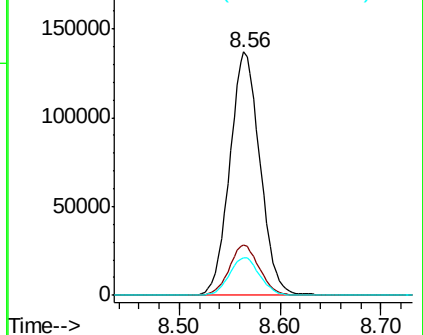
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: VN060111.D  
 Acq: 17 Feb 2020 12:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.8  | 0.0   | 40.0  |
| 88      | 15.5  | 0.0   | 31.6  |

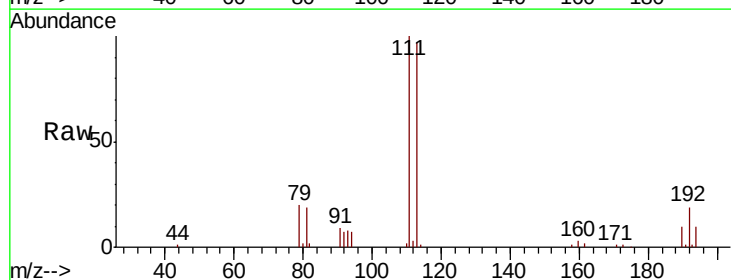


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

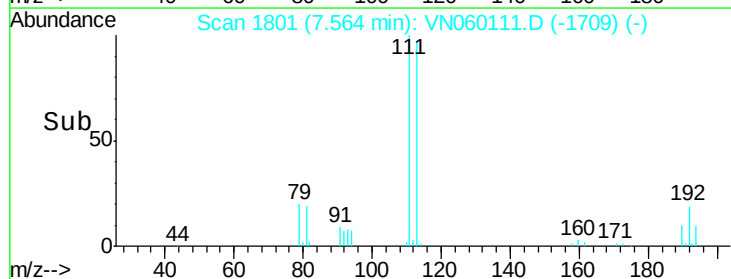
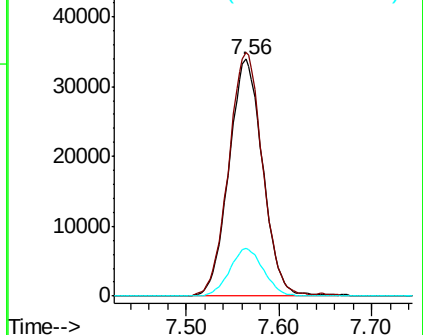


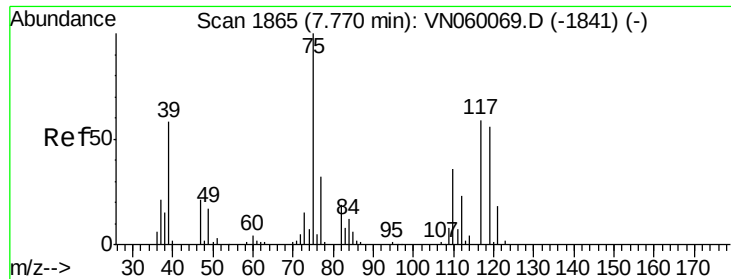
#35  
 Dibromofluoromethane  
 Concen: 48.799 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: VN060111.D  
 Acq: 17 Feb 2020 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.0 | 81.4  | 122.2 |
| 192     | 20.0  | 16.2  | 24.2  |



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

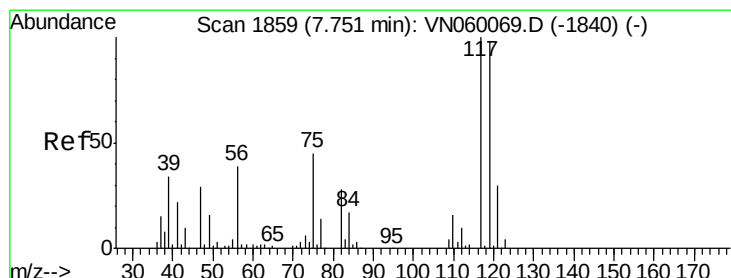
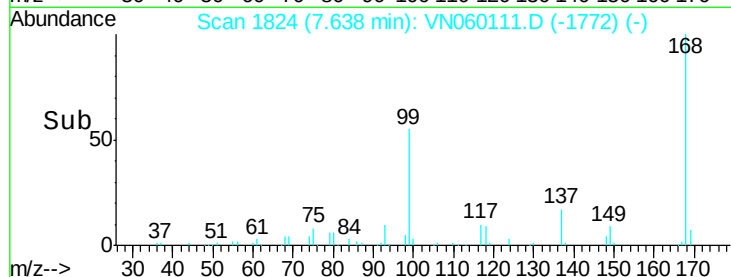
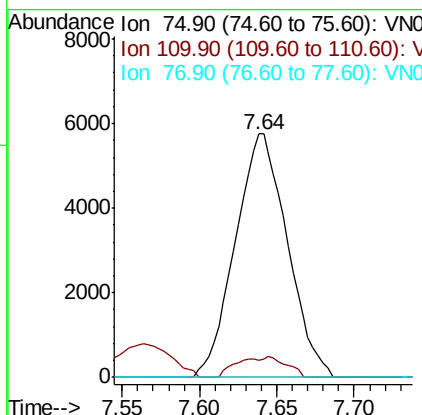
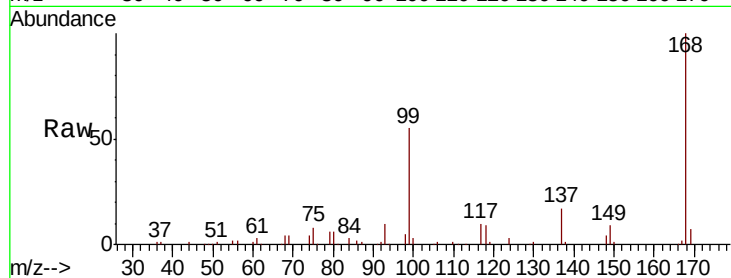




#36  
 1,1-Dichloropropene  
 Concen: 5.084 ug/l  
 RT: 7.64 min Scan# 1824  
 Delta R.T. -0.13 min  
 Lab File: VN060111.D  
 Acq: 17 Feb 2020 12:06

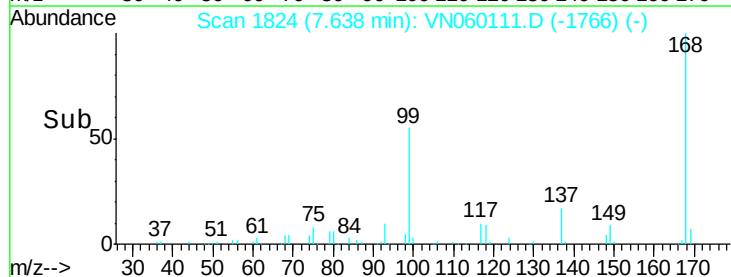
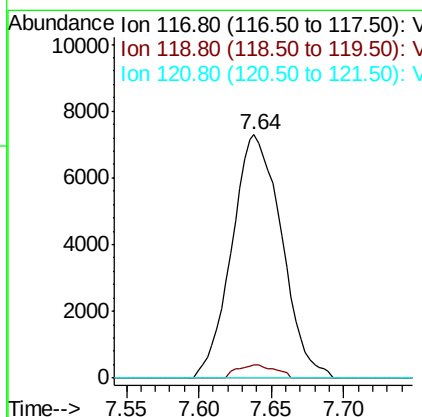
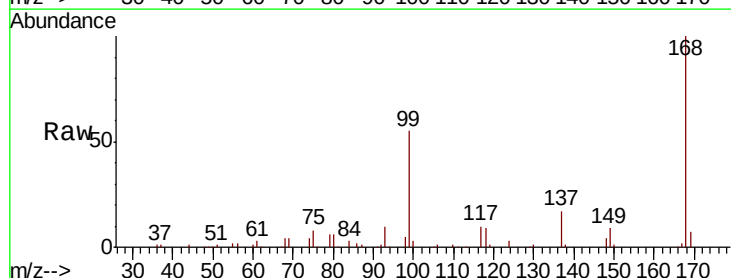
Instrument :  
 MSVOA\_N  
 ClientSampled :

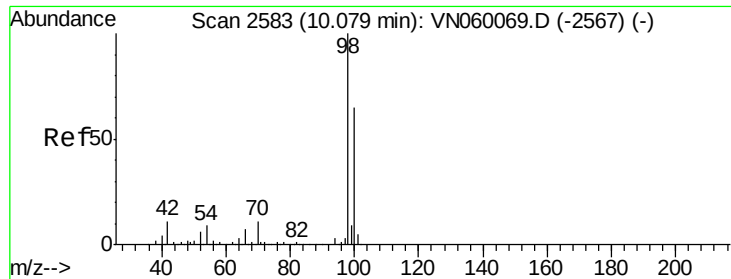
| Tot Ion   | 75  | Resp  | 13444 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 75        | 100 |       |       |
| 110       | 8.0 | 18.1  | 54.3# |
| 77        | 0.0 | 25.1  | 37.7# |



#38  
 Carbon Tetrachloride  
 Concen: 6.054 ug/l  
 RT: 7.64 min Scan# 1824  
 Delta R.T. -0.11 min  
 Lab File: VN060111.D  
 Acq: 17 Feb 2020 12:06

| Tgt Ion                                              | 117 | Resp  | 17388  |
|------------------------------------------------------|-----|-------|--------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100 | Lower | Upper  |
| 117                                                  | 100 |       |        |
| 119                                                  | 5.3 | 78.2  | 117.4# |
| 121                                                  | 0.0 | 24.2  | 36.2#  |

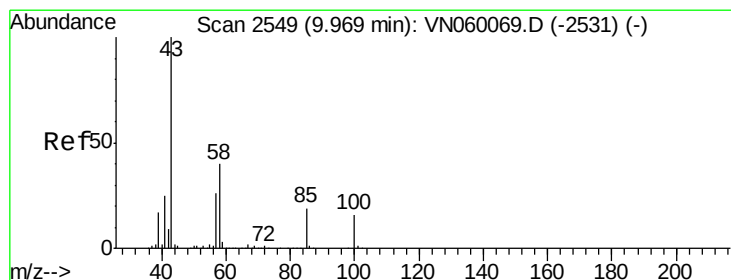
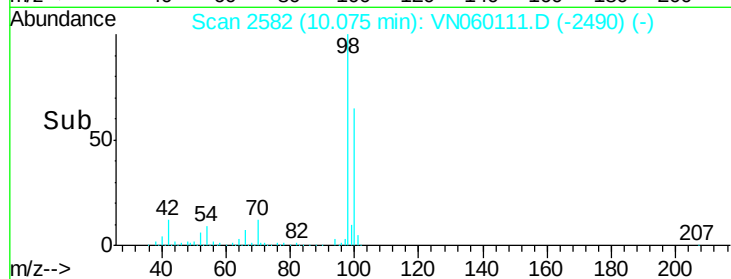
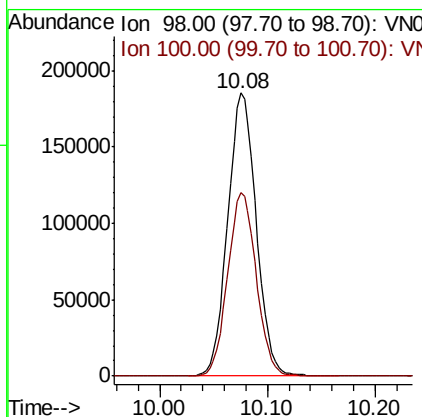
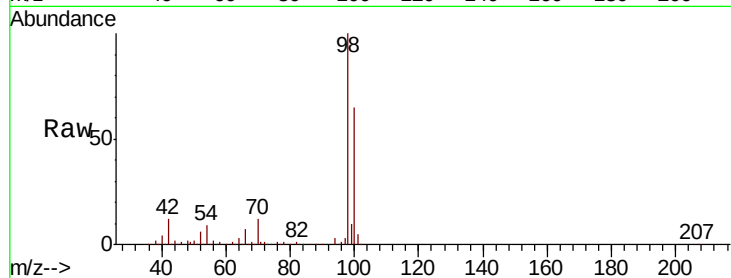




#50  
Toluene-d8  
Concen: 49.512 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN060111.D  
Acq: 17 Feb 2020 12:06

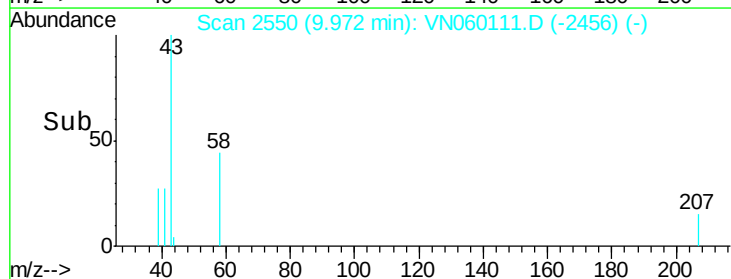
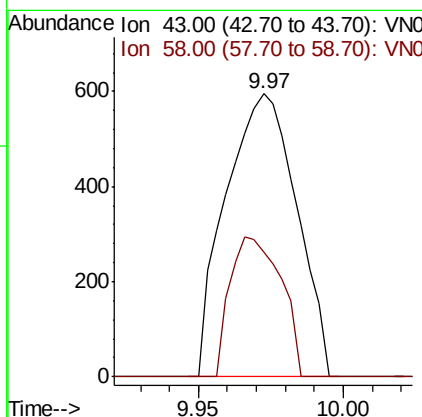
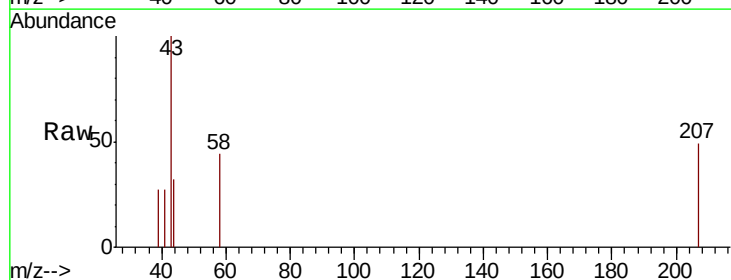
Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 98 Resp: 342200  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.7 77.5

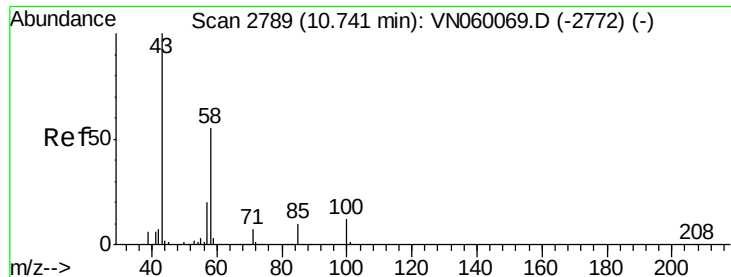


#51  
4-Methyl-2-Pentanone  
Concen: 0.427 ug/l  
RT: 9.97 min Scan# 2550  
Delta R.T. 0.00 min  
Lab File: VN060111.D  
Acq: 17 Feb 2020 12:06

Tgt Ion: 43 Resp: 1009  
Ion Ratio Lower Upper  
43 100  
58 35.6 31.8 47.8







#59

2-Hexanone

Concen: 1.036 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.01 min

Lab File: VN060111.D

Acq: 17 Feb 2020 12:06

Instrument :

MSVOA\_N

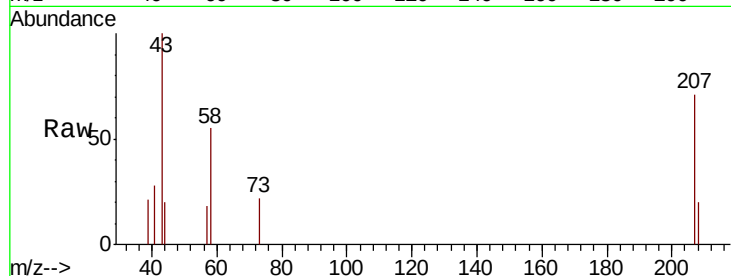
ClientSampleId :

Tot Ion: 43 Resp: 1892

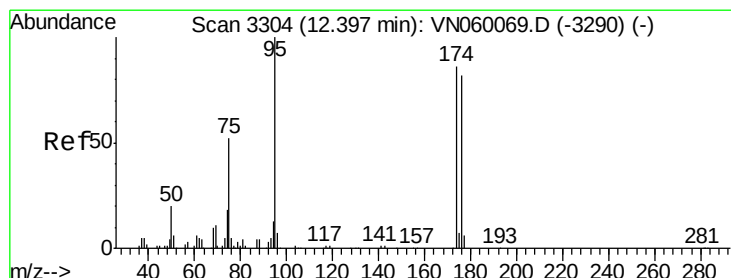
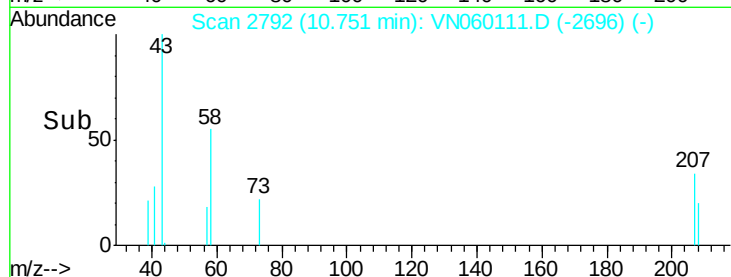
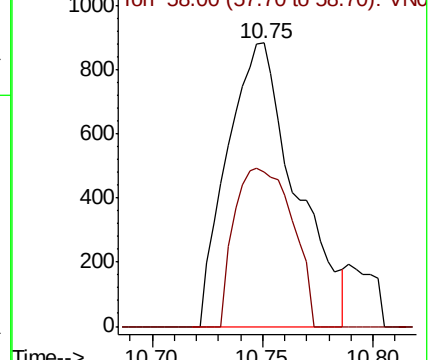
Ion Ratio Lower Upper

43 100

58 47.3 27.5 82.4



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2772) (-)



#62

4-Bromofluorobenzene

Concen: 45.972 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060111.D

Acq: 17 Feb 2020 12:06

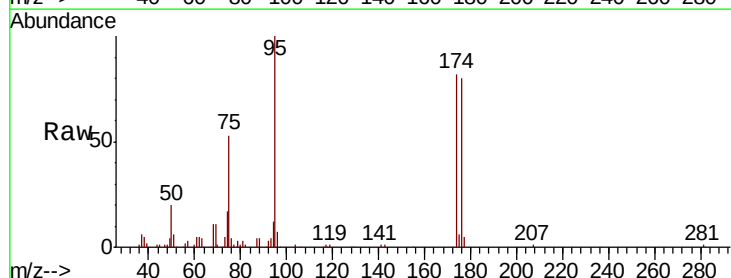
Tgt Ion: 95 Resp: 116754

Ion Ratio Lower Upper

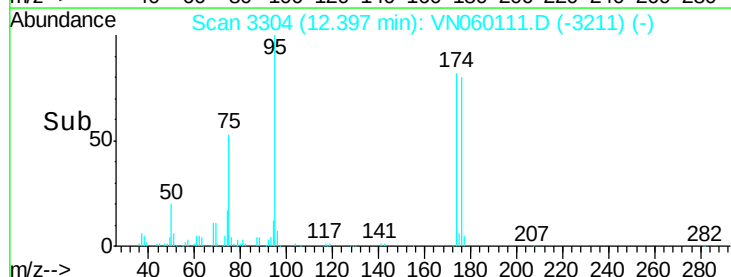
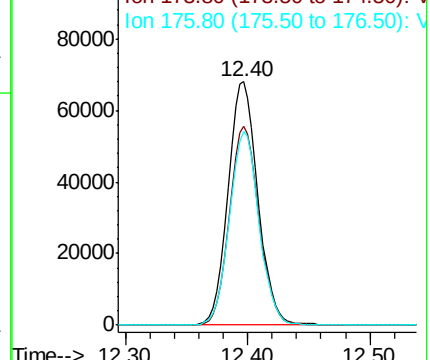
95 100

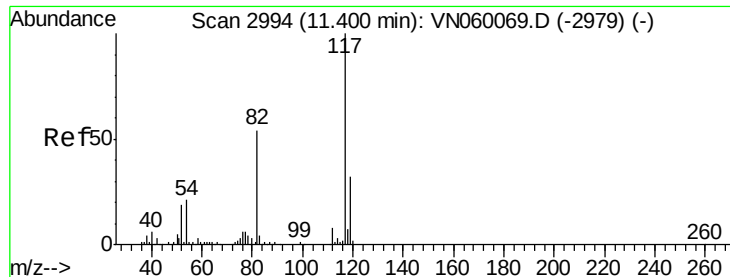
174 81.1 0.0 169.8

176 79.0 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060069.D (-3290) (-)

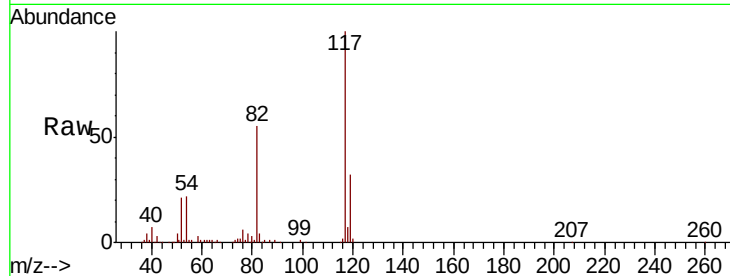




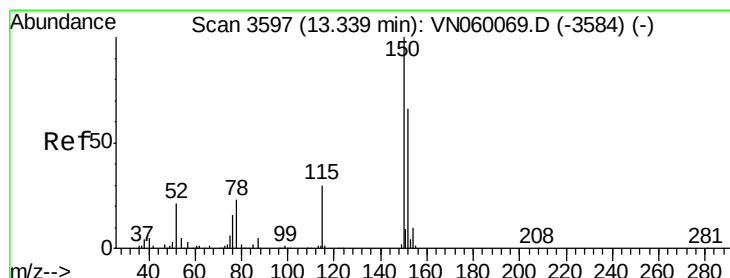
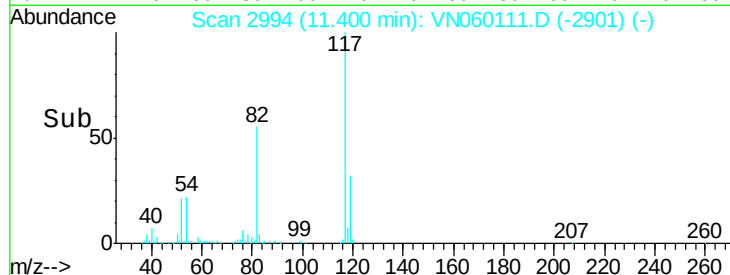
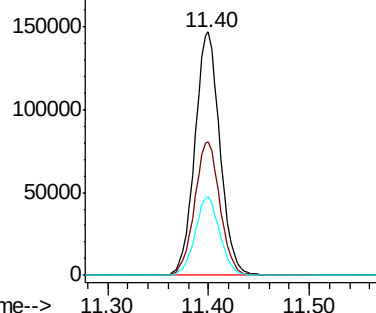
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060111.D  
Acq: 17 Feb 2020 12:06

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:117 Resp: 254722  
Ion Ratio Lower Upper  
117 100  
82 54.8 43.4 65.0  
119 32.0 25.8 38.6

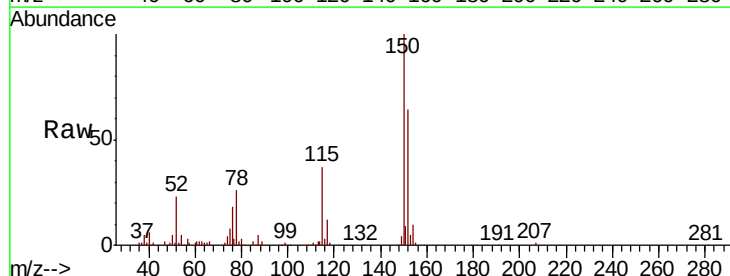


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

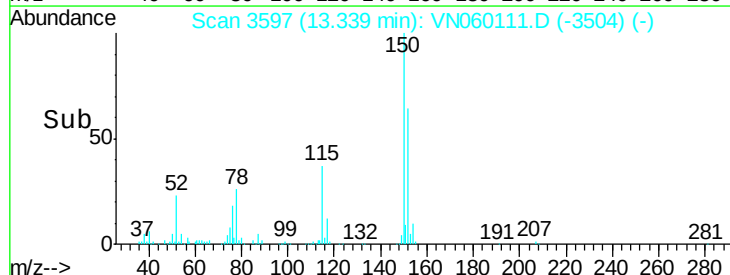
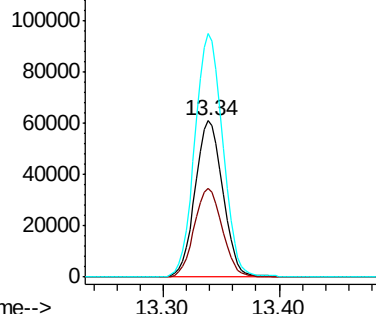


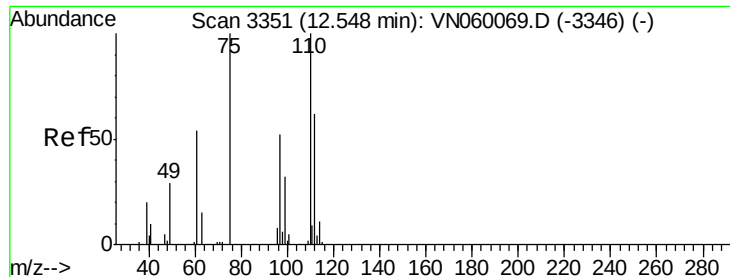
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. -0.00 min  
Lab File: VN060111.D  
Acq: 17 Feb 2020 12:06

Tgt Ion:152 Resp: 100899  
Ion Ratio Lower Upper  
152 100  
115 58.0 28.9 86.8  
150 156.6 0.0 342.4



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





#76

1,2,3-Trichloropropane

Concen: 31.317 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060111.D

Acq: 17 Feb 2020 12:06

Instrument :

MSVOA\_N

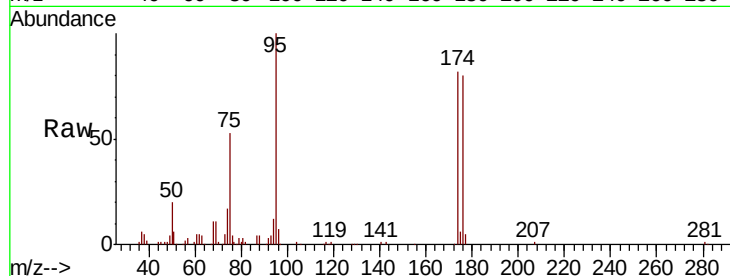
ClientSampleId :

Tot Ion: 75 Resp: 60455

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

40000

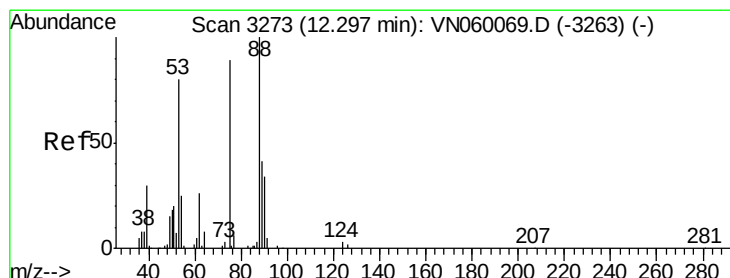
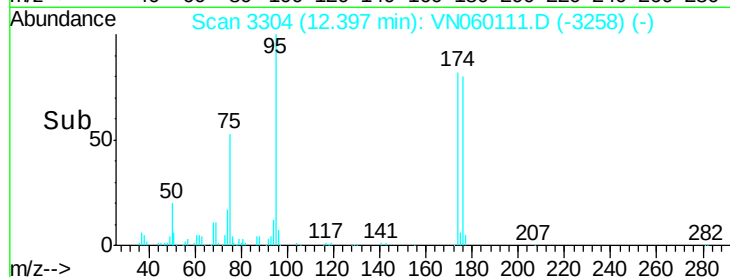
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 76.680 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060111.D

Acq: 17 Feb 2020 12:06

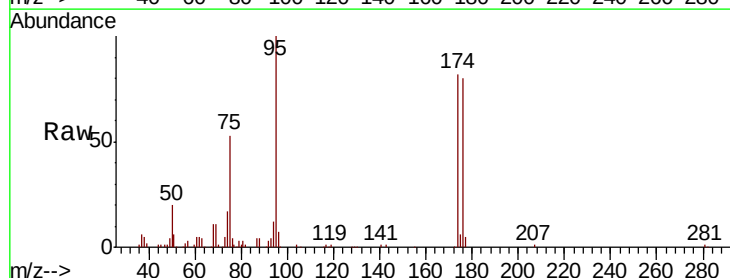
Tgt Ion: 75 Resp: 60455

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.0 55.4#



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

12.40

50000

40000

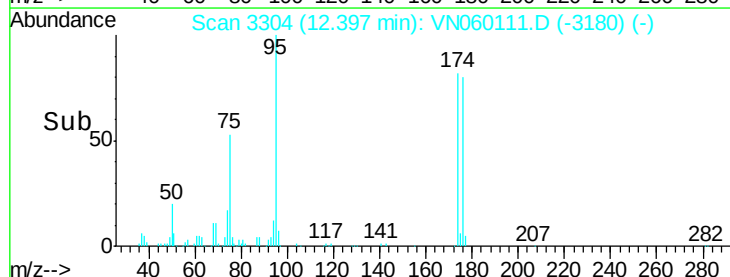
30000

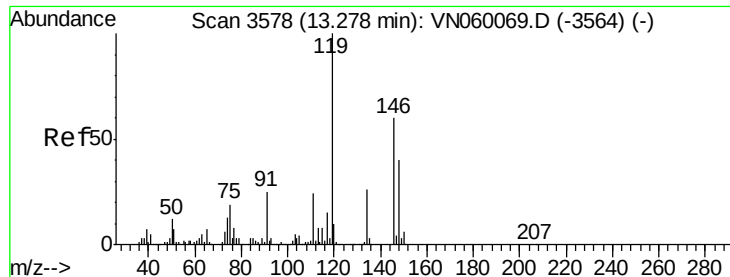
20000

10000

0

Time-->

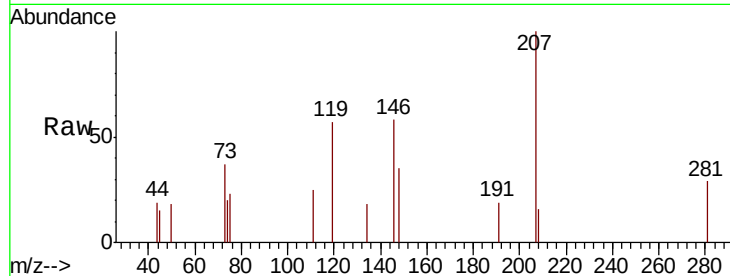




#87  
 1,3-Dichlorobenzene  
 Concen: 0.271 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.01 min  
 Lab File: VN060111.D  
 Acq: 17 Feb 2020 12:06

Instrument :  
 MSVOA\_N  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.5  | 19.8  | 59.3  |
| 148     | 71.3  | 32.0  | 96.2  |

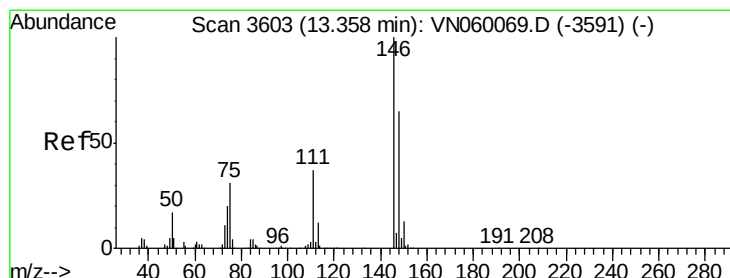
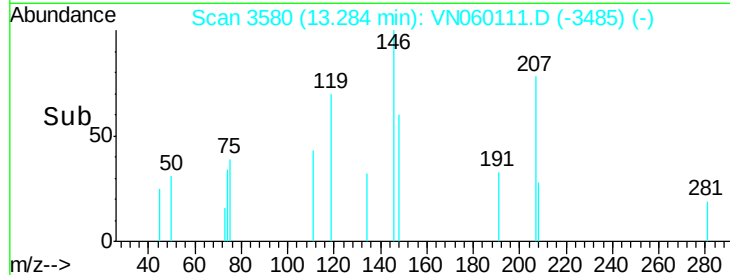
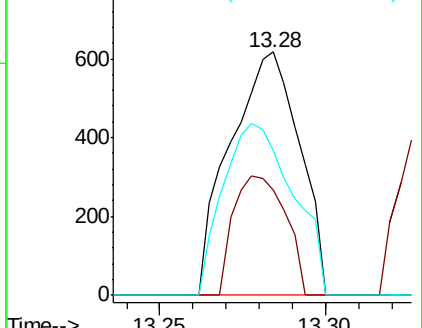


Abundance

Ion 145.90 (145.60 to 146.60): V

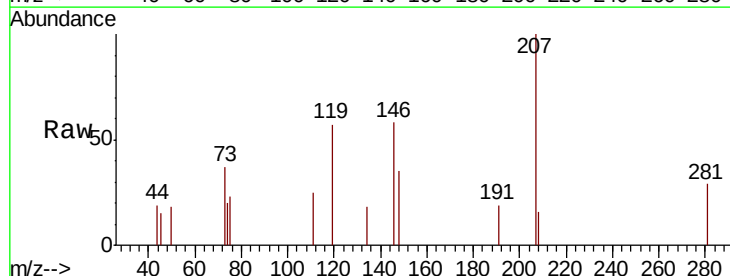
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88  
 1,4-Dichlorobenzene  
 Concen: 0.271 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. -0.07 min  
 Lab File: VN060111.D  
 Acq: 17 Feb 2020 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.5  | 18.9  | 56.5  |
| 148     | 71.3  | 32.0  | 96.0  |

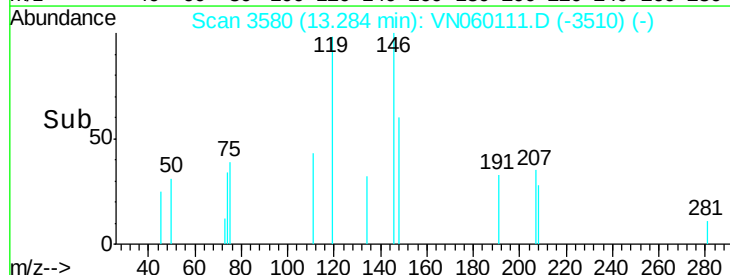
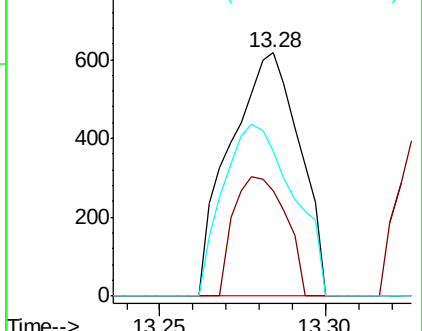


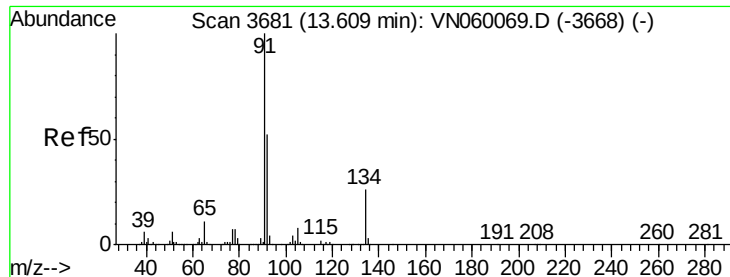
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.281 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.01 min

Lab File: VN060111.D

Acq: 17 Feb 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

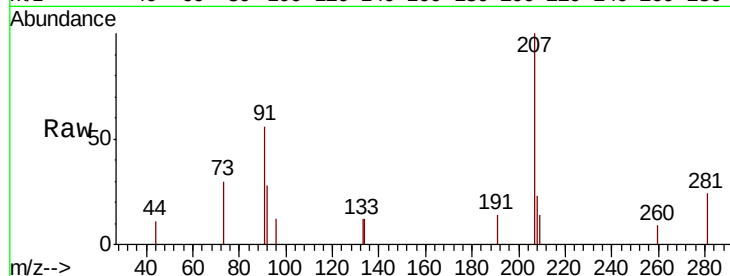
Tot Ion: 91 Resp: 1644

Ion Ratio Lower Upper

91 100

92 50.6 26.1 78.2

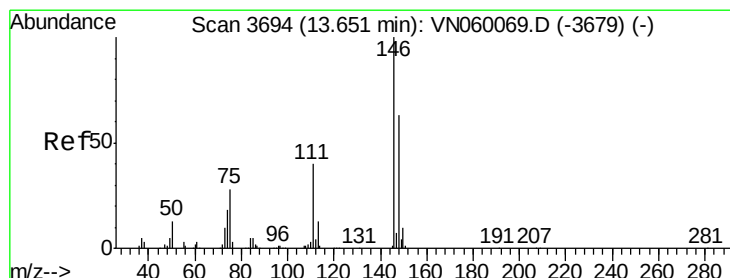
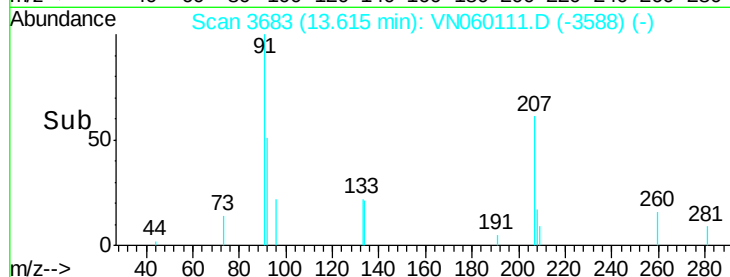
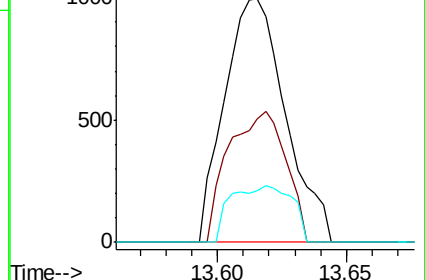
134 23.3 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN060111.D (-3683) (-)

Ion 92.00 (91.70 to 92.70): VN060111.D (-3683) (-)

Ion 134.00 (133.70 to 134.70): VN060111.D (-3683) (-)



#91

1,2-Dichlorobenzene

Concen: 0.338 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN060111.D

Acq: 17 Feb 2020 12:06

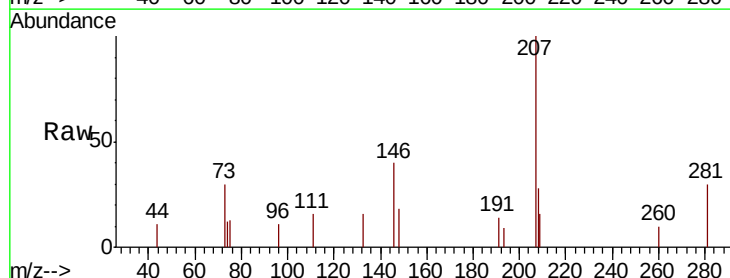
Tgt Ion: 146 Resp: 1095

Ion Ratio Lower Upper

146 100

111 34.6 20.1 60.2

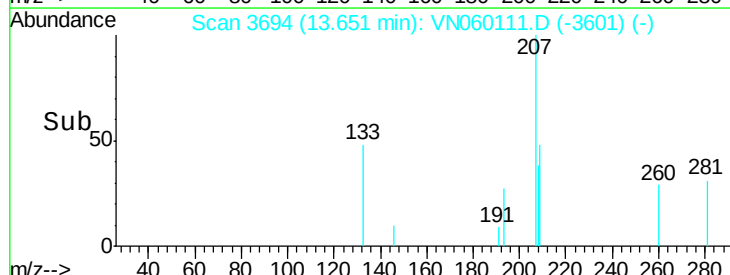
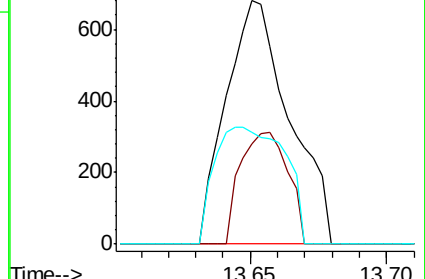
148 53.2 31.9 95.5

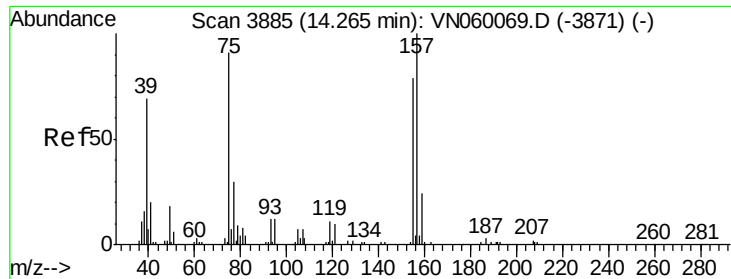


Abundance Ion 145.90 (145.60 to 146.60): VN060111.D (-3694) (-)

Ion 110.90 (110.60 to 111.60): VN060111.D (-3694) (-)

Ion 147.90 (147.60 to 148.60): VN060111.D (-3694) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.410 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060111.D

Acq: 17 Feb 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

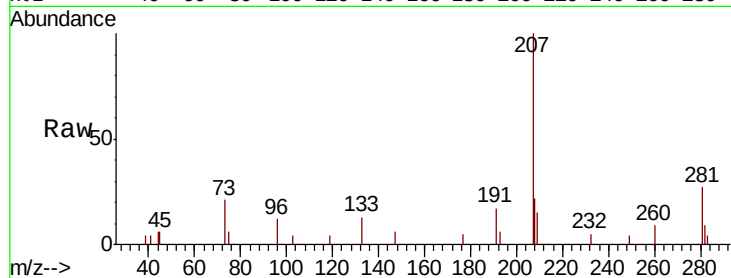
Tot Ion: 75 Resp: 542

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

157 11.1 54.9 164.5#

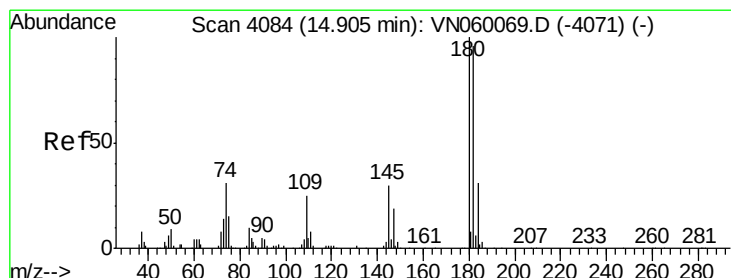
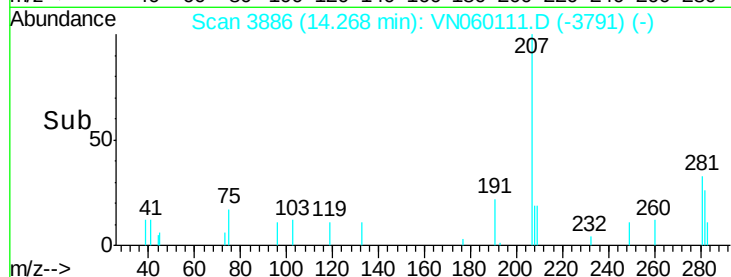


Abundance Ion 74.90 (74.60 to 75.60): VN060111.D (-3871) (-)

Ion 154.80 (154.50 to 155.50): VN060111.D (-3871) (-)

Ion 156.80 (156.50 to 157.50): VN060111.D (-3871) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 1.255 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN060111.D

Acq: 17 Feb 2020 12:06

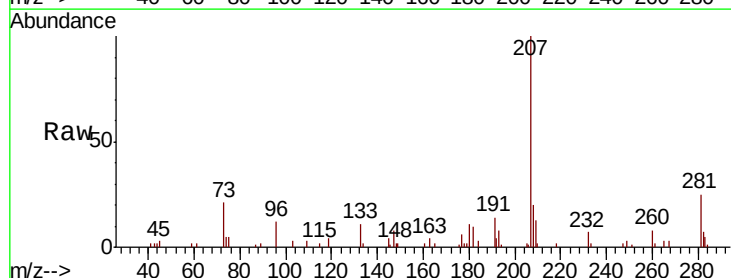
Tgt Ion: 180 Resp: 2389

Ion Ratio Lower Upper

180 100

182 93.9 47.9 143.8

145 33.1 15.2 45.5

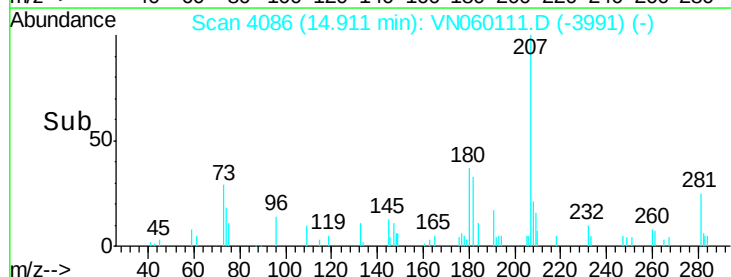


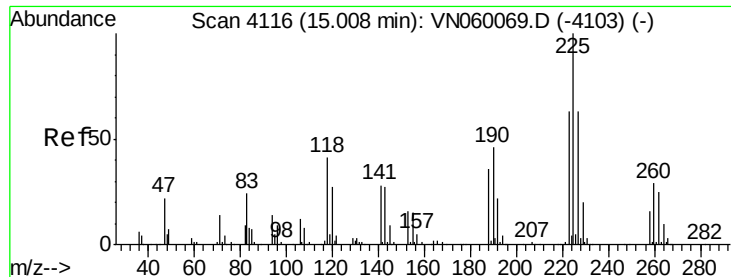
Abundance Ion 179.80 (179.50 to 180.50): VN060111.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN060111.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN060111.D (-4071) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 0.489 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN060111.D

Acq: 17 Feb 2020 12:06

Instrument :

MSVOA\_N

ClientSampled :

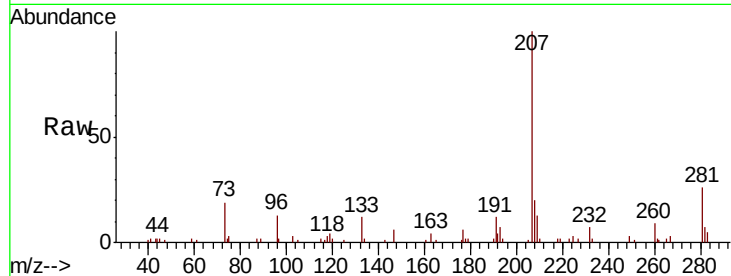
Tot Ion:225 Resp: 545

Ion Ratio Lower Upper

225 100

223 63.5 31.5 94.5

227 44.0 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

15.01

400

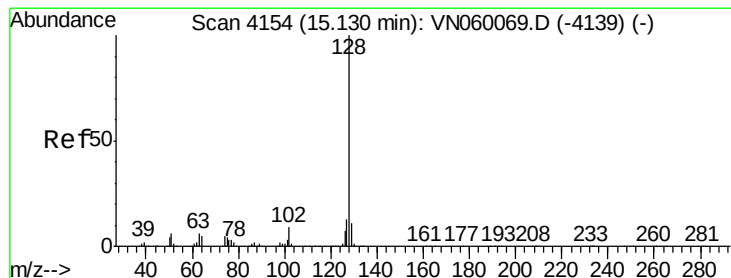
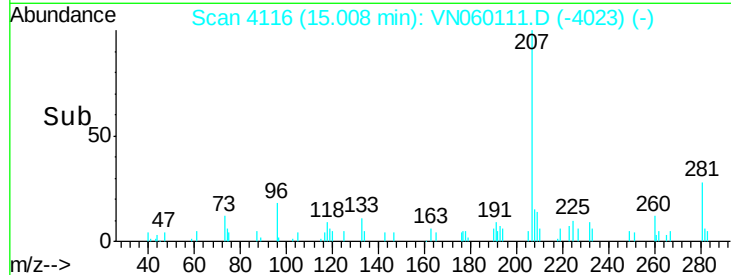
300

200

100

0

Time--> 14.98 15.00 15.02 15.04



#95

Naphthalene

Concen: 1.895 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060111.D

Acq: 17 Feb 2020 12:06

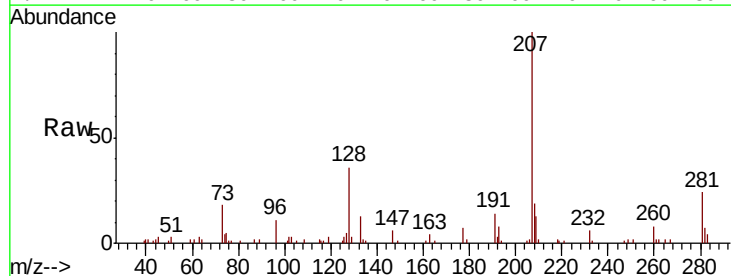
Tgt Ion:128 Resp: 9745

Ion Ratio Lower Upper

128 100

127 11.2 10.3 15.5

129 9.2 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

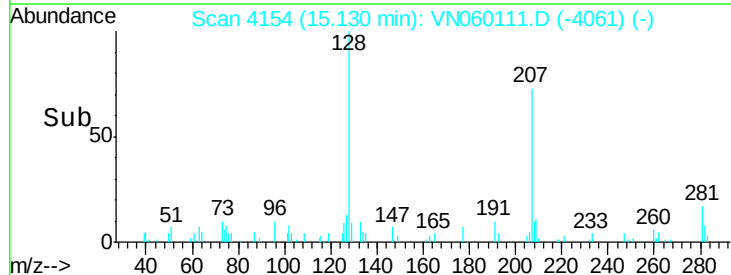
6000

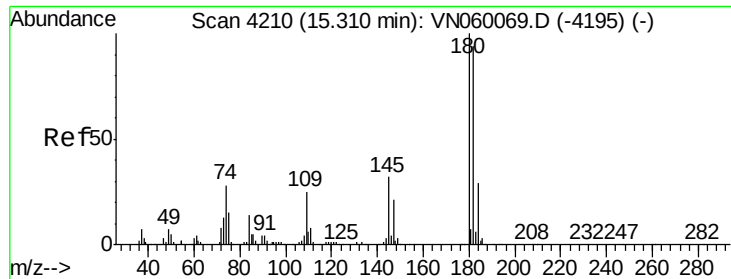
4000

2000

0

Time--> 15.05 15.10 15.15 15.20

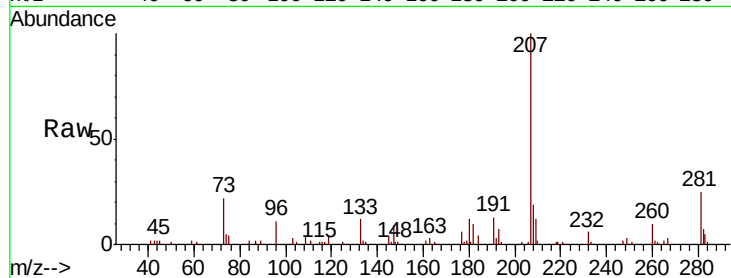




#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.762 ug/l  
 RT: 15.31 min Scan# 4211  
 Delta R.T. 0.00 min  
 Lab File: VN060111.D  
 Acq: 17 Feb 2020 12:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 85.4  | 47.5  | 142.5 |
| 145     | 36.5  | 16.1  | 48.3  |



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

