

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN081418\  
 Data File : VN050594.D  
 Acq On : 14 Aug 2018 11:53  
 Operator : MD\SY  
 Sample : VN0814MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0814MBL01

Quant Time: Aug 15 08:32:24 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 14 08:07:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 744707   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1171909  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1017392  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 378142   | 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   | 484641   | 51.63  | ug/l  | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |       |          |
| Recovery                    |       |      |          | =      |       | 103.26%  |
| 35) Dibromofluoromethane    | 7.59  | 113  | 459343   | 49.10  | ug/l  | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |       |          |
| Recovery                    |       |      |          | =      |       | 98.20%   |
| 50) Toluene-d8              | 10.09 | 98   | 1651805  | 46.91  | ug/l  | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |       |          |
| Recovery                    |       |      |          | =      |       | 93.82%   |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 451873   | 38.85  | ug/l  | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |       |          |
| Recovery                    |       |      |          | =      |       | 77.70%   |

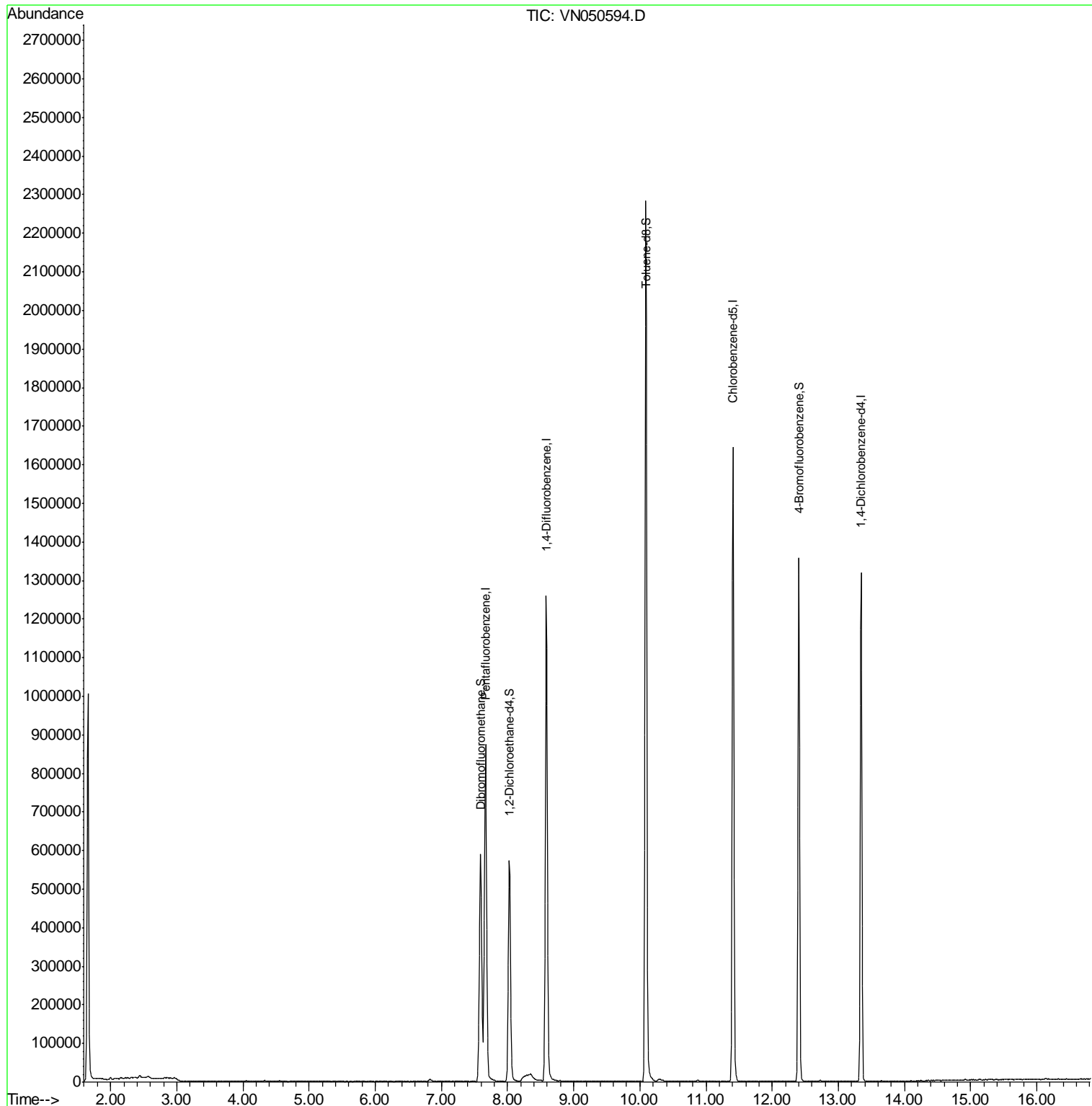
Target Compounds Qvalue  
 -----

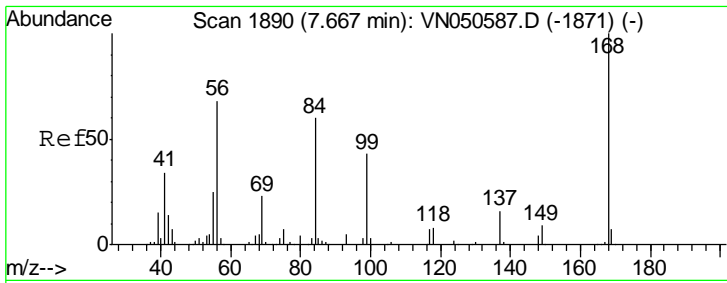
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN081418\  
 Data File : VN050594.D  
 Acq On : 14 Aug 2018 11:53  
 Operator : MD\SY  
 Sample : VN0814MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0814MBL01

Quant Time: Aug 15 08:32:24 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 14 08:07:08 2018  
 Response via : Initial Calibration

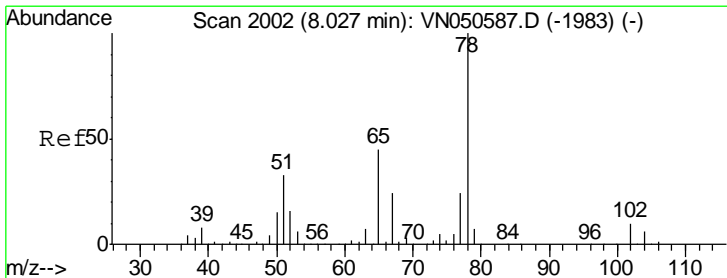
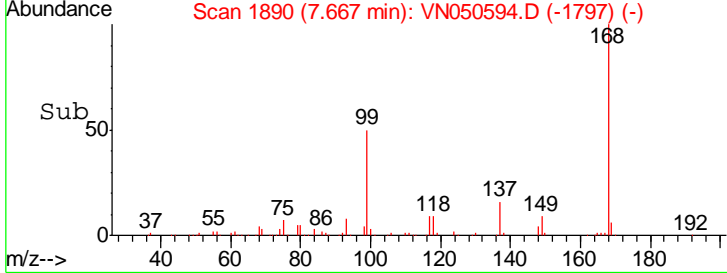
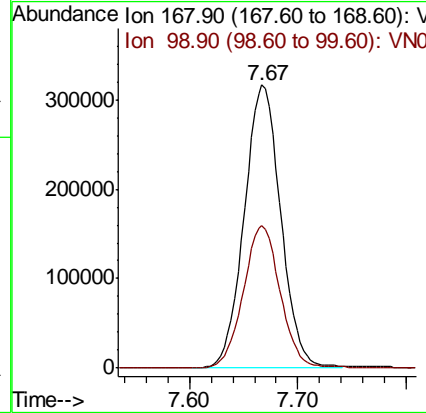
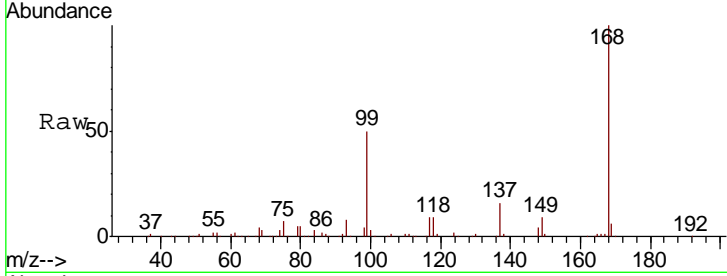




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.67 min Scan# 1890  
 Delta R.T. 0.00 min  
 Lab File: VN050594.D  
 Acq: 14 Aug 2018 11:53

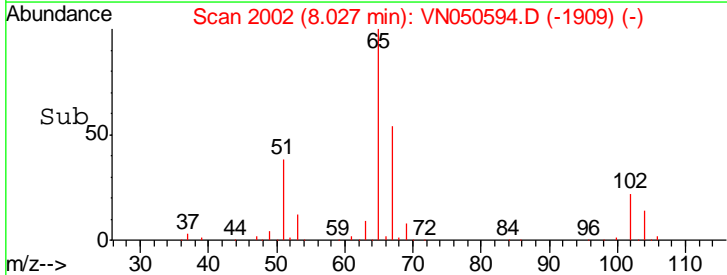
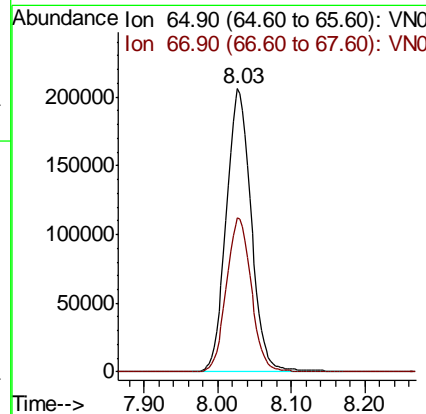
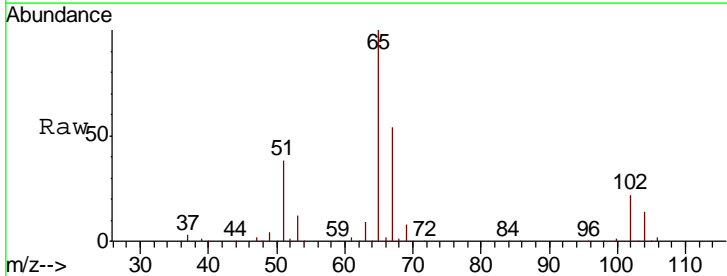
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0814MBL01

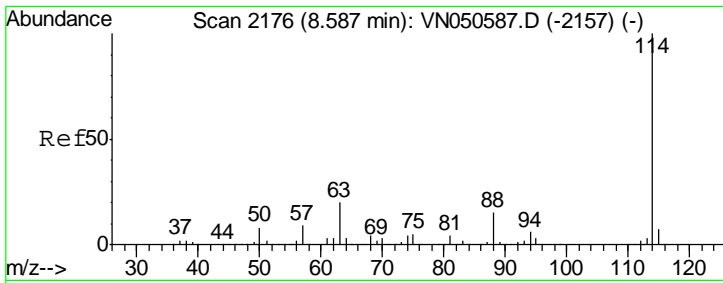
Tgt Ion: 168 Resp: 744707  
 Ion Ratio Lower Upper  
 168 100  
 99 50.2 40.8 61.2



#33  
 1,2-Dichloroethane-d4  
 Concen: 51.629 ug/l  
 RT: 8.03 min Scan# 2002  
 Delta R.T. 0.00 min  
 Lab File: VN050594.D  
 Acq: 14 Aug 2018 11:53

Tgt Ion: 65 Resp: 484641  
 Ion Ratio Lower Upper  
 65 100  
 67 54.1 0.0 109.8

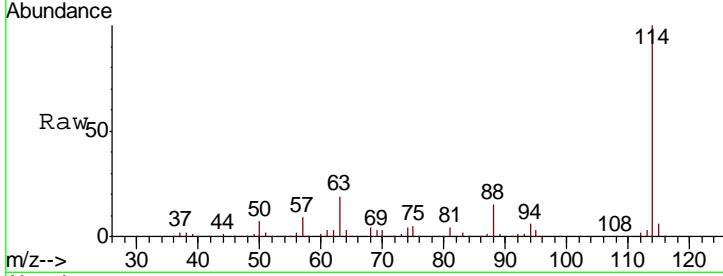




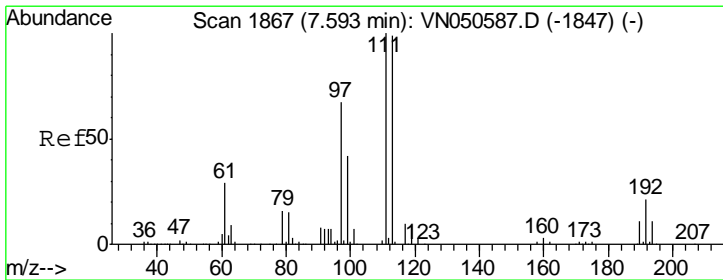
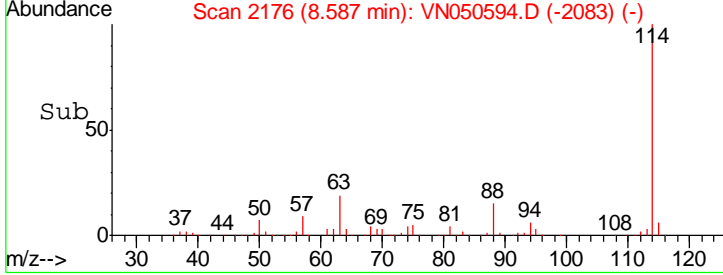
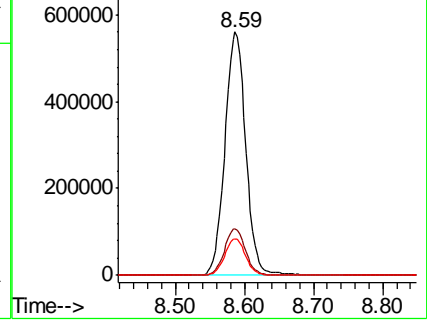
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. 0.00 min  
 Lab File: VN050594.D  
 Acq: 14 Aug 2018 11:53

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0814MBL01

| Tgt Ion | Resp    | Lower | Upper |
|---------|---------|-------|-------|
| 114     | 1171909 |       |       |
| 63      | 19.2    | 0.0   | 40.0  |
| 88      | 15.2    | 0.0   | 30.8  |

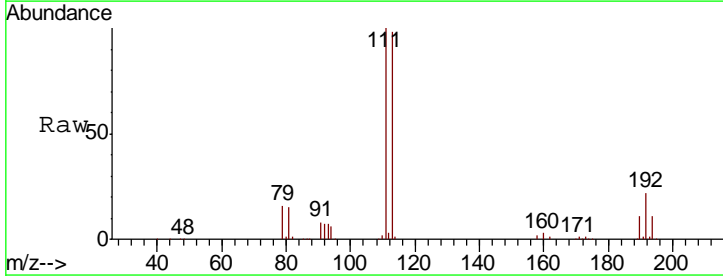


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

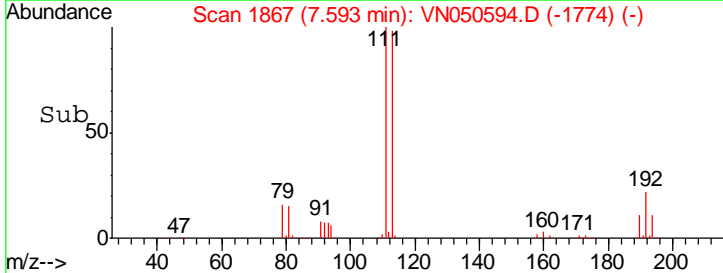
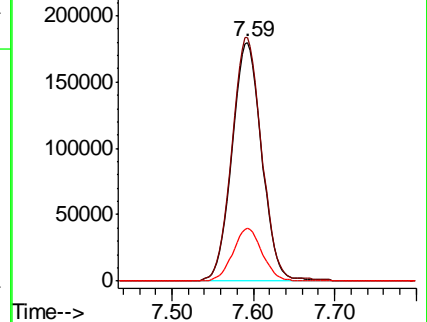


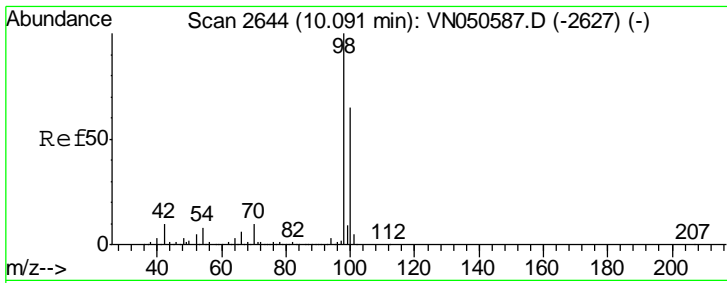
#35  
 Dibromofluoromethane  
 Concen: 49.096 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN050594.D  
 Acq: 14 Aug 2018 11:53

| Tgt Ion | Resp   | Lower | Upper |
|---------|--------|-------|-------|
| 113     | 459343 |       |       |
| 111     | 102.3  | 81.0  | 121.6 |
| 192     | 21.8   | 17.6  | 26.4  |



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

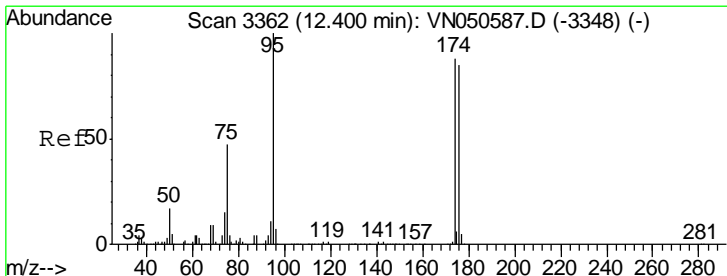
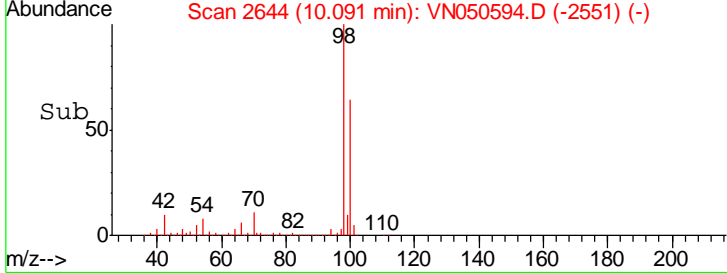
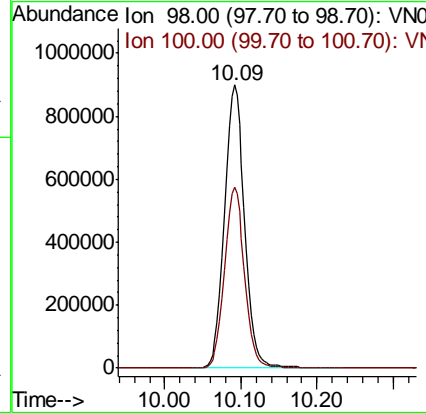
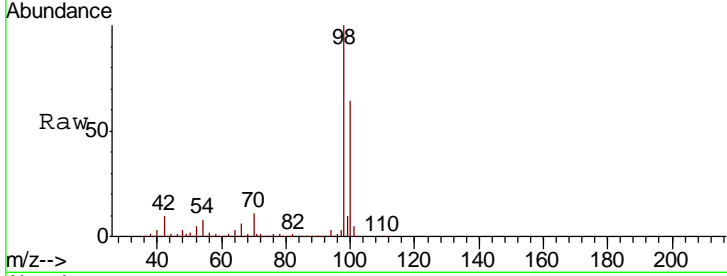




#50  
 Toluene-d8  
 Concen: 46.910 ug/l  
 RT: 10.09 min Scan# 2644  
 Delta R.T. 0.00 min  
 Lab File: VN050594.D  
 Acq: 14 Aug 2018 11:53

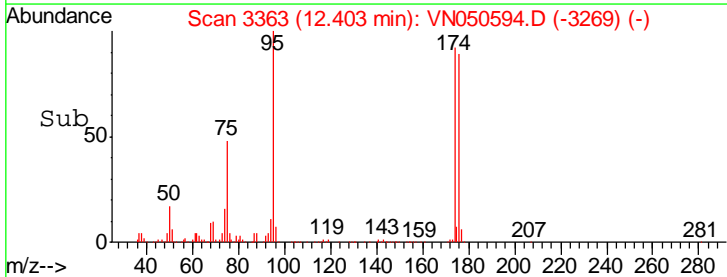
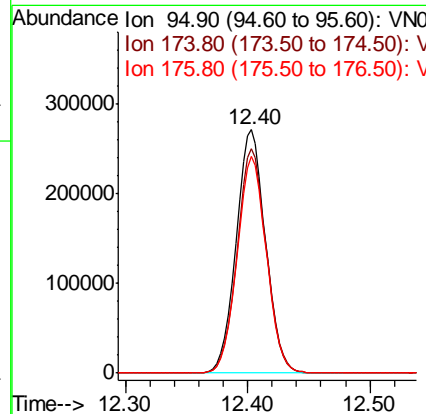
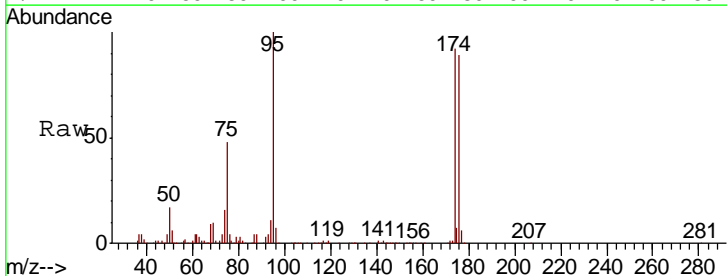
Instrument : MSVOA\_N  
 ClientSampled : VN0814MBL01

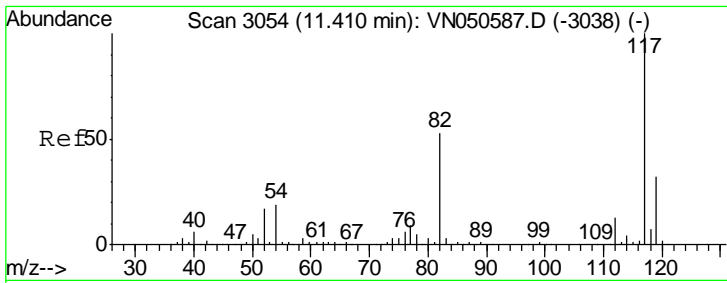
| Tgt Ion | Resp    | Lower | Upper |
|---------|---------|-------|-------|
| 98      | 1651805 |       |       |
| 100     | 63.9    | 51.8  | 77.8  |



#62  
 4-Bromofluorobenzene  
 Concen: 38.845 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. 0.00 min  
 Lab File: VN050594.D  
 Acq: 14 Aug 2018 11:53

| Tgt Ion | Resp   | Lower | Upper |
|---------|--------|-------|-------|
| 95      | 451873 |       |       |
| 174     | 92.1   | 0.0   | 177.8 |
| 176     | 88.8   | 0.0   | 175.0 |

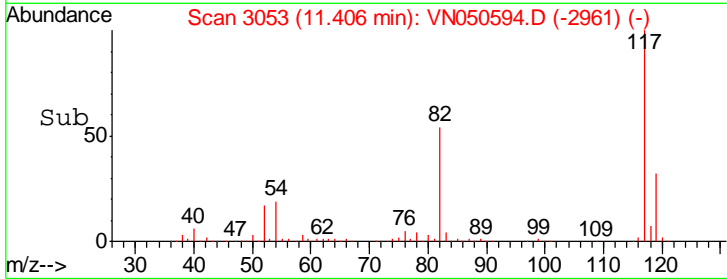
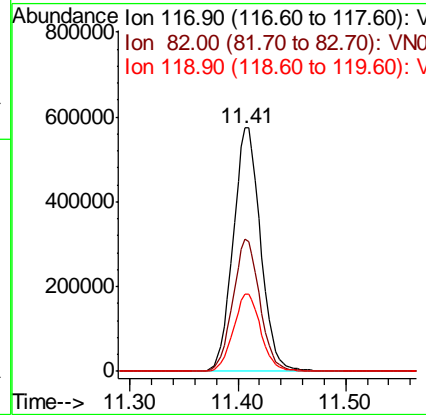
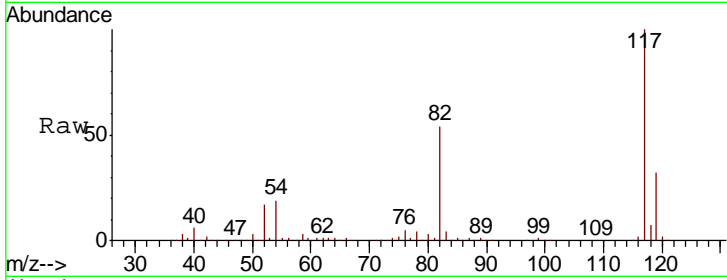




#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.41 min Scan# 3053  
 Delta R.T. -0.00 min  
 Lab File: VN050594.D  
 Acq: 14 Aug 2018 11:53

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0814MBL01

| Tgt Ion | Resp    | Lower | Upper |
|---------|---------|-------|-------|
| 117     | 1017392 |       |       |
| 82      | 54.1    | 42.4  | 63.6  |
| 119     | 31.7    | 25.8  | 38.8  |



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.35 min Scan# 3656  
 Delta R.T. 0.00 min  
 Lab File: VN050594.D  
 Acq: 14 Aug 2018 11:53

| Tgt Ion | Resp   | Lower | Upper |
|---------|--------|-------|-------|
| 152     | 378142 |       |       |
| 115     | 56.2   | 28.1  | 84.2  |
| 150     | 158.7  | 0.0   | 347.8 |

