

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\  
 Data File : VN050322.D  
 Acq On : 3 Aug 2018 19:07  
 Operator : MD\SY  
 Sample : PB111719ZHE#07  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111719ZHE#07

Quant Time: Aug 04 00:19:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 676326   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1142135  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 972880   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 395934   | 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   | 486734   | 51.58 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.16% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 425283   | 45.61 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.22%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1543741  | 45.03 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.06%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 443873   | 39.32 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 78.64%  |          |

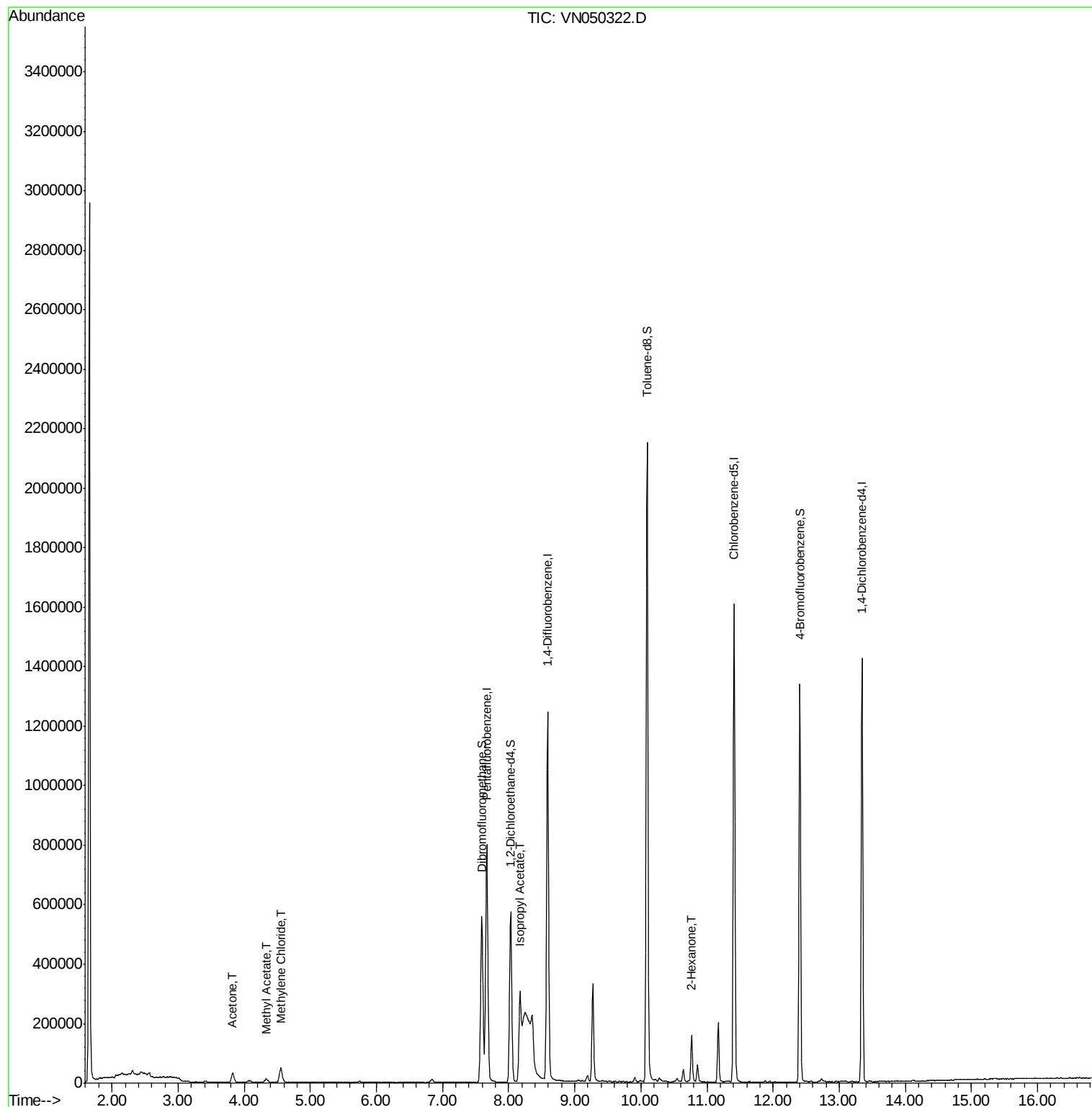
| Target Compounds       | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|------------------------|-------|------|----------|-------|--------|--------|
| 16) Acetone            | 3.82  | 43   | 53672    | 20.15 | ug/l   | 97     |
| 18) Methyl Acetate     | 4.34  | 43   | 23558    | 1.13  | ug/l   | 99     |
| 20) Methylene Chloride | 4.55  | 84   | 36536    | 3.19  | ug/l   | 97     |
| 43) Isopropyl Acetate  | 8.17  | 43   | 378818   | 21.76 | ug/l # | 90     |
| 59) 2-Hexanone         | 10.77 | 43   | 21656    | 8.45  | ug/l   | 63     |

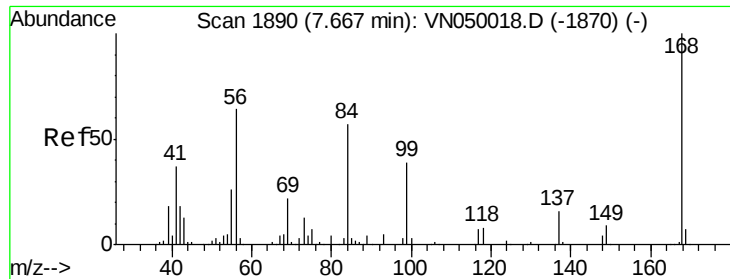
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Jul 26 18:10:10 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: VN050322.D

Acq: 3 Aug 2018 19:07

Instrument :

MSVOA\_N

ClientSampleId :

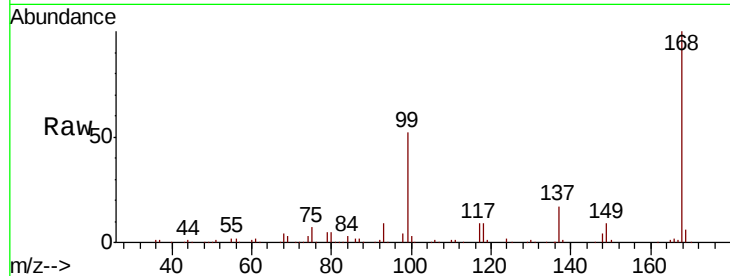
PB111719ZHE#07

Tot Ion:168 Resp: 676326

Ion Ratio Lower Upper

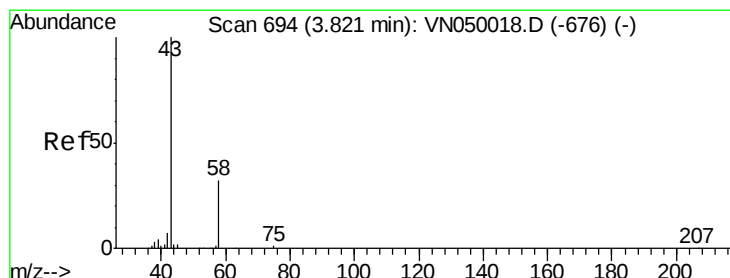
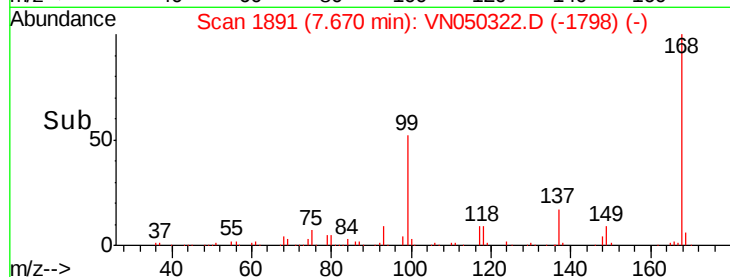
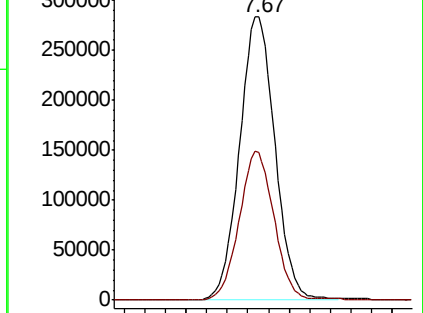
168 100

99 52.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 20.15 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050322.D

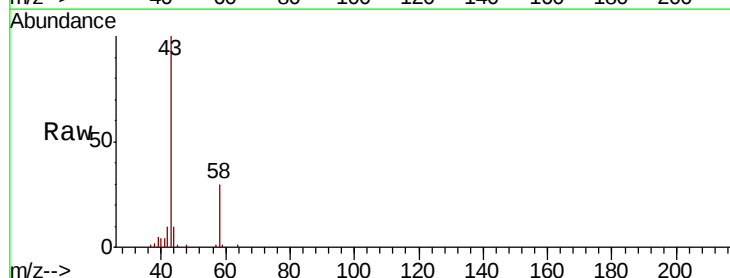
Acq: 3 Aug 2018 19:07

Tgt Ion: 43 Resp: 53672

Ion Ratio Lower Upper

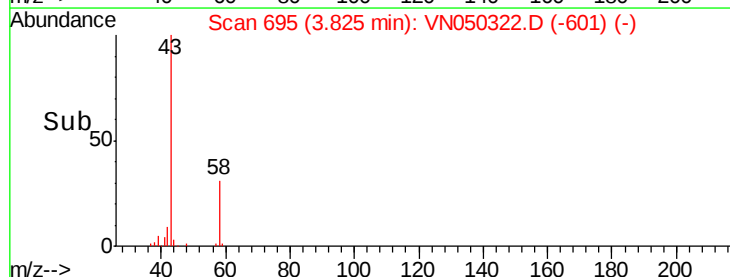
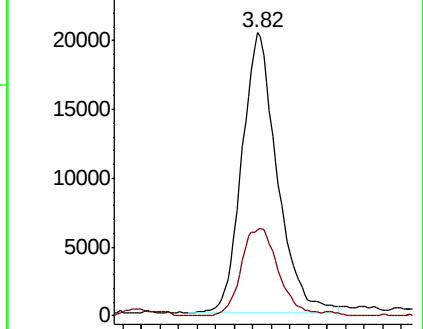
43 100

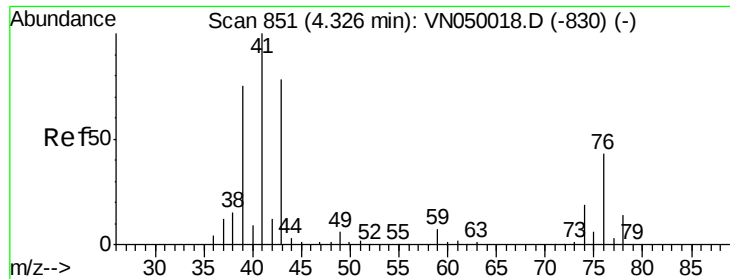
58 30.6 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

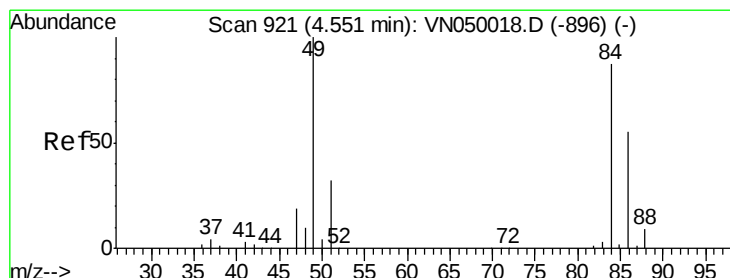
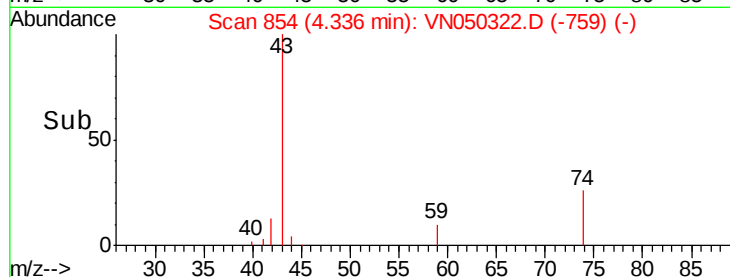
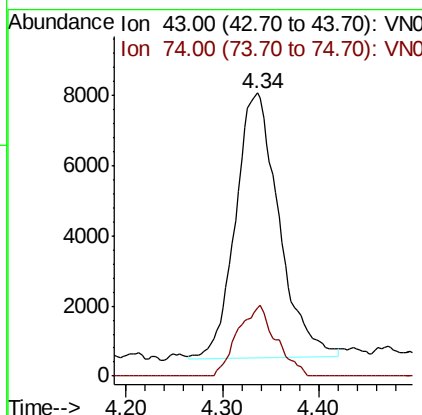
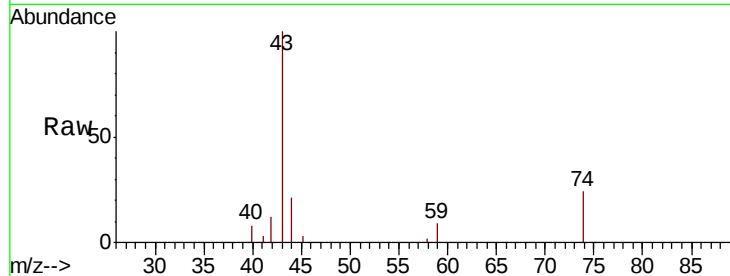




#18  
Methvl Acetate  
Concen: 1.13 ug/l  
RT: 4.34 min Scan# 854  
Delta R.T. 0.00 min  
Lab File: VN050322.D  
Acq: 3 Aug 2018 19:07

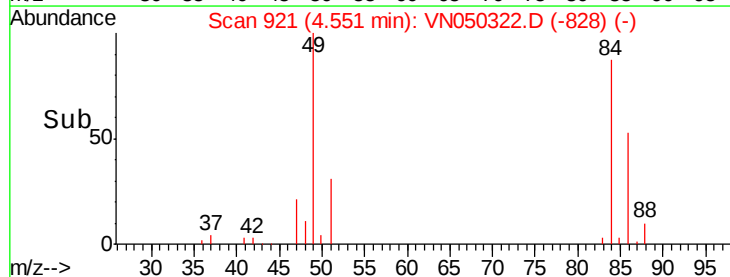
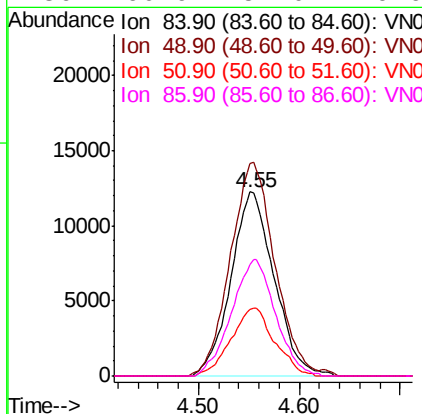
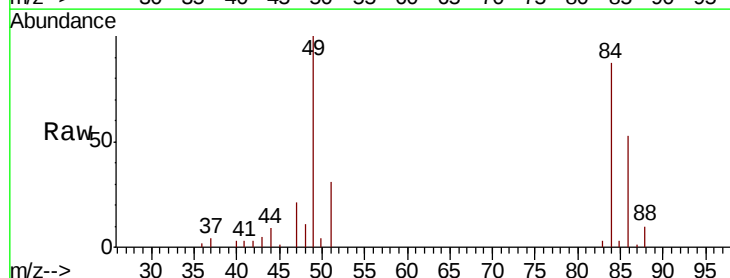
Instrument :  
MSVOA\_N  
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PB111719ZHE#07

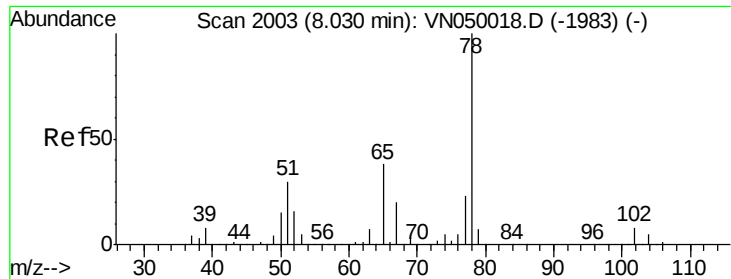
Tot Ion: 43 Resp: 23558  
Ion Ratio Lower Upper  
43 100  
74 23.6 19.2 28.8



#20  
Methylene Chloride  
Concen: 3.19 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN050322.D  
Acq: 3 Aug 2018 19:07

Tgt Ion: 84 Resp: 36536  
Ion Ratio Lower Upper  
84 100  
49 115.4 94.8 142.2  
51 36.2 28.3 42.5  
86 60.9 51.0 76.6

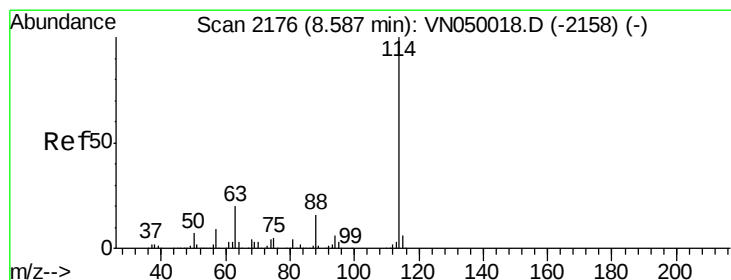
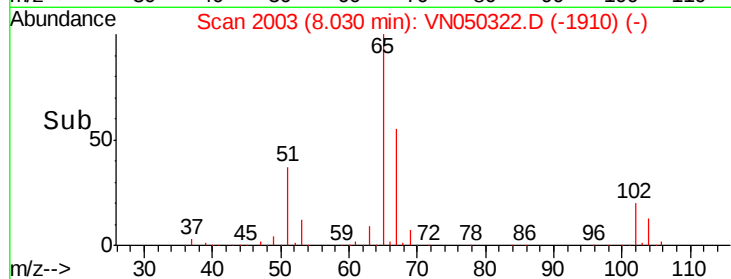
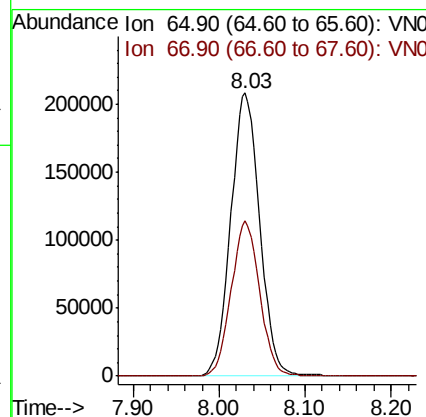
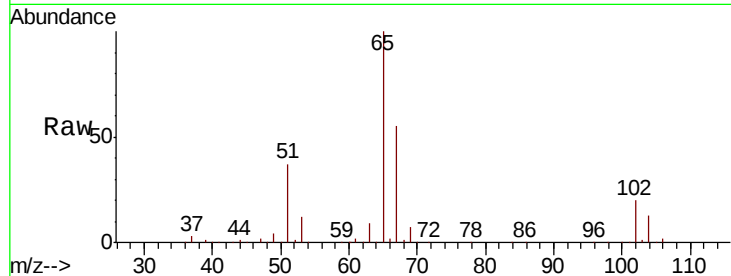




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.58 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN050322.D  
 Acq: 3 Aug 2018 19:07

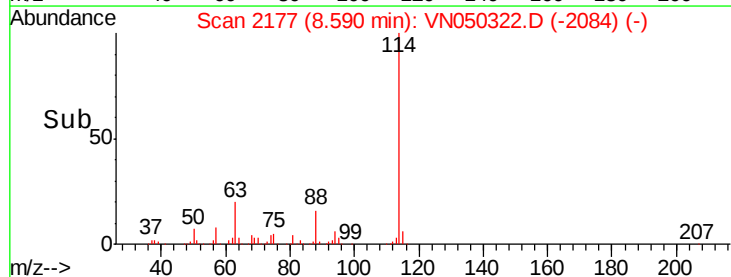
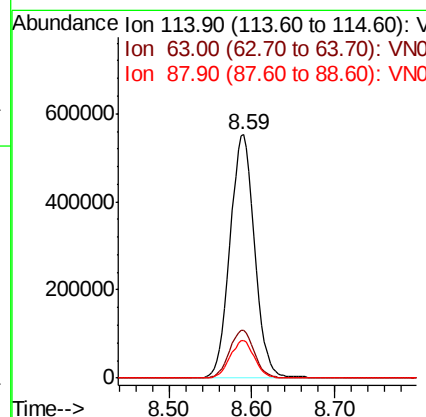
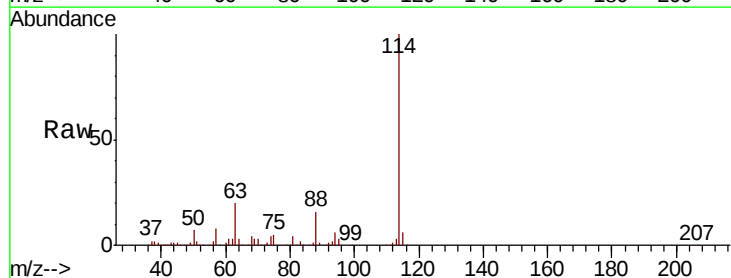
Instrument :  
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 ClientSampleId :  
 PB111719ZHE#07

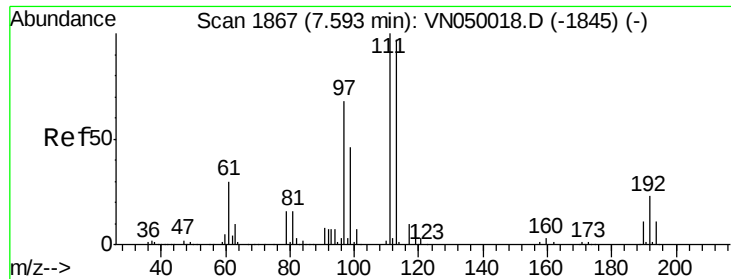
Tot Ion: 65 Resp: 486734  
 Ion Ratio Lower Upper  
 65 100  
 67 53.9 0.0 108.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050322.D  
 Acq: 3 Aug 2018 19:07

Tgt Ion: 114 Resp: 1142135  
 Ion Ratio Lower Upper  
 114 100  
 63 19.7 0.0 40.0  
 88 15.6 0.0 31.2

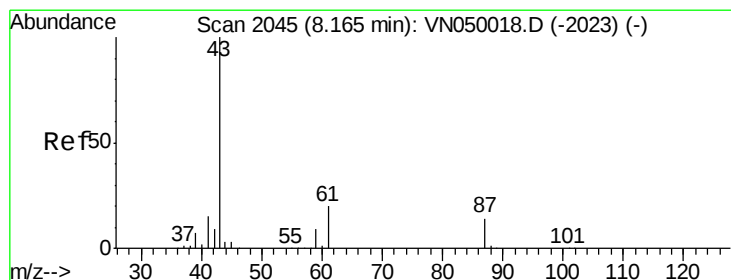
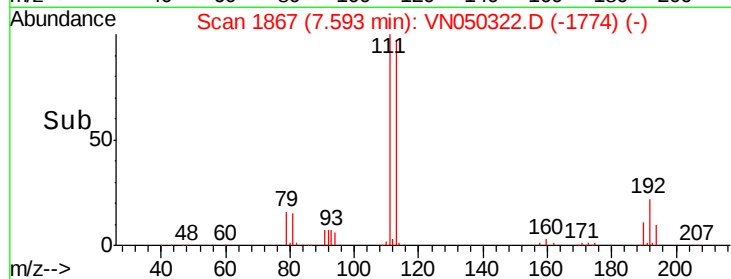
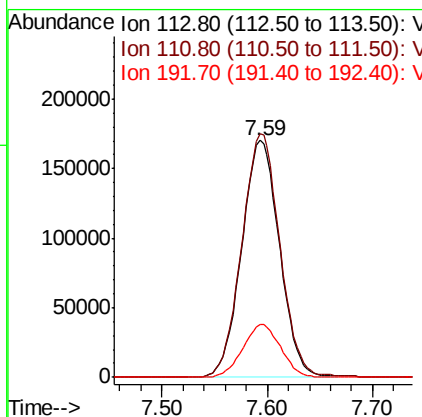
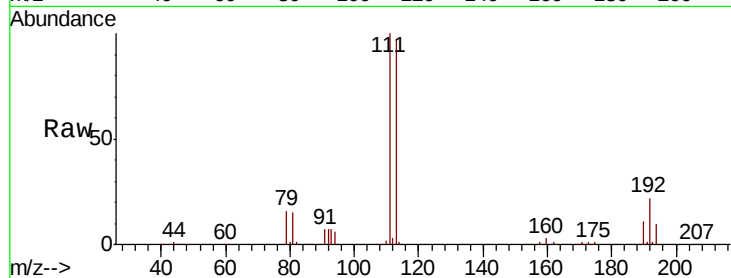




#35  
 Dibromofluoromethane  
 Concen: 45.61 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN050322.D  
 Acq: 3 Aug 2018 19:07

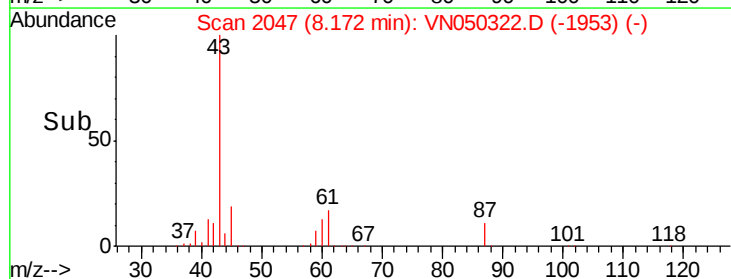
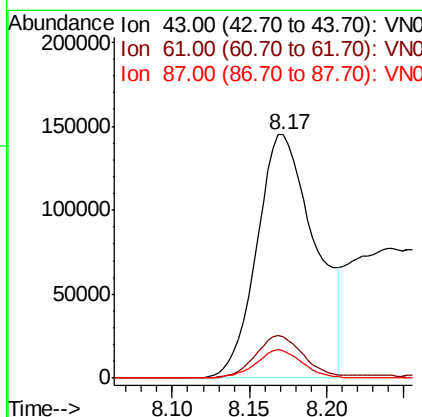
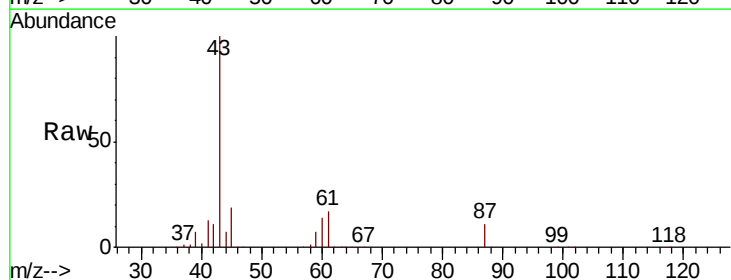
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111719ZHE#07

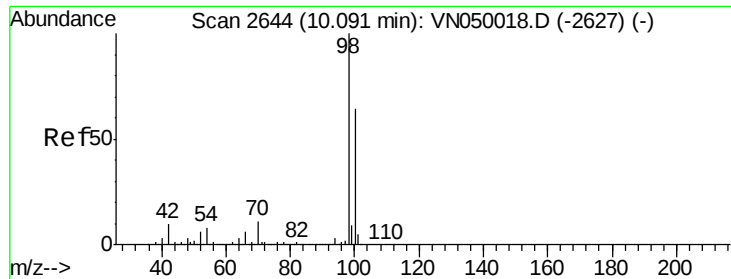
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.4 | 80.7  | 121.1 |
| 192     | 22.4  | 17.8  | 26.6  |



#43  
 Isopropyl Acetate  
 Concen: 21.76 ug/l  
 RT: 8.17 min Scan# 2047  
 Delta R.T. 0.00 min  
 Lab File: VN050322.D  
 Acq: 3 Aug 2018 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.9  | 15.8  | 23.6# |
| 87      | 9.5   | 10.3  | 15.5# |

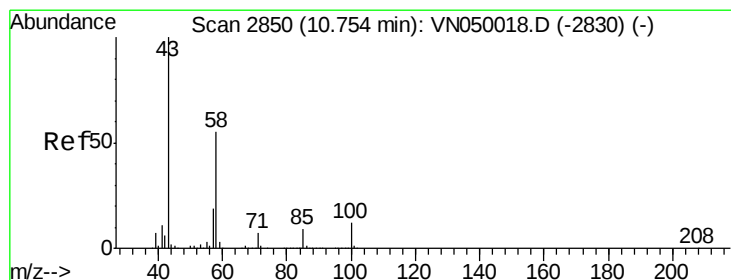
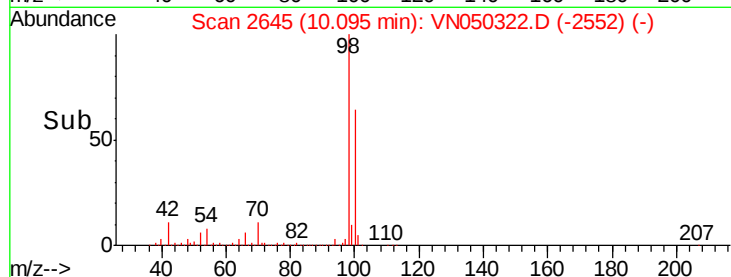
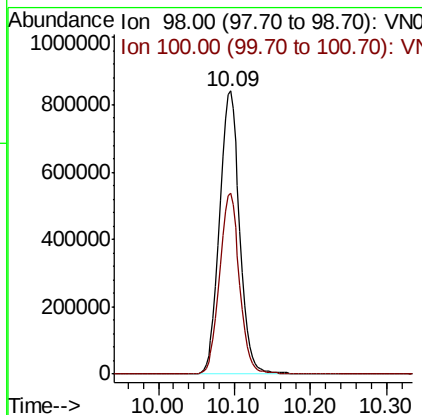
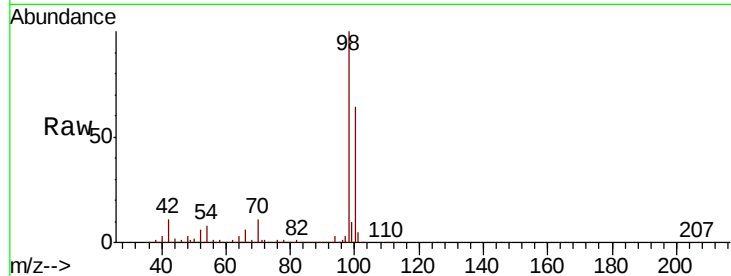




#50  
Toluene-d8  
Concen: 45.03 ug/l  
RT: 10.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VN050322.D  
Acq: 3 Aug 2018 19:07

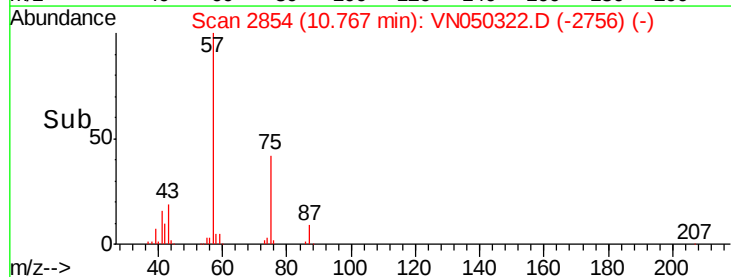
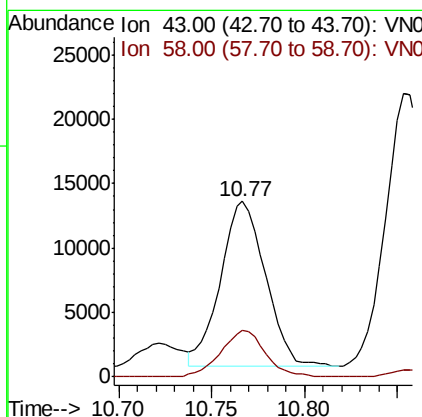
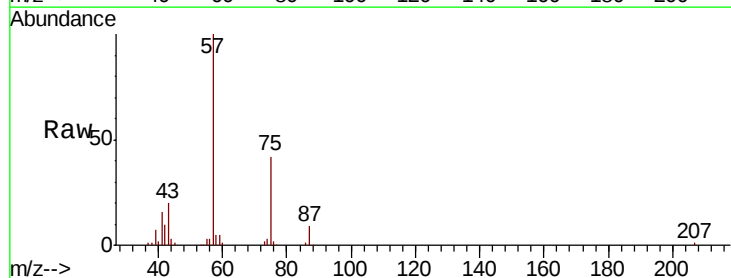
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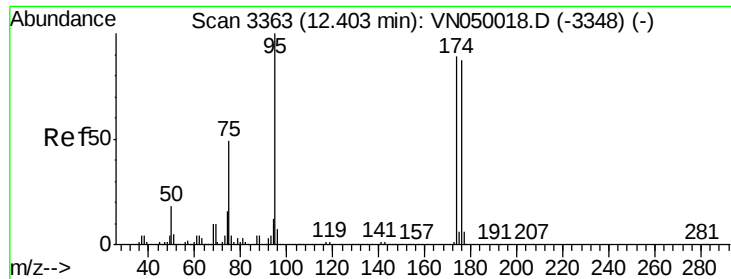
Tot Ion: 98 Resp: 1543741  
Ion Ratio Lower Upper  
98 100  
100 63.4 50.7 76.1



#59  
2-Hexanone  
Concen: 8.45 ug/l  
RT: 10.77 min Scan# 2854  
Delta R.T. 0.01 min  
Lab File: VN050322.D  
Acq: 3 Aug 2018 19:07

Tgt Ion: 43 Resp: 21656  
Ion Ratio Lower Upper  
43 100  
58 28.0 27.6 82.7

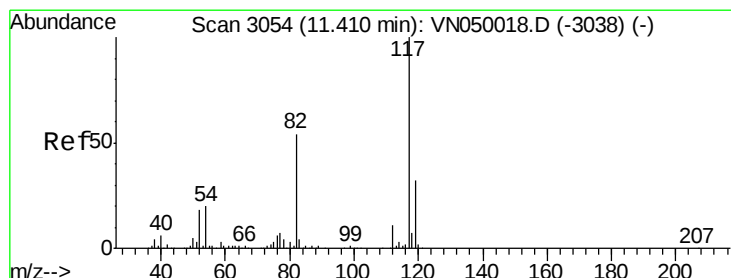
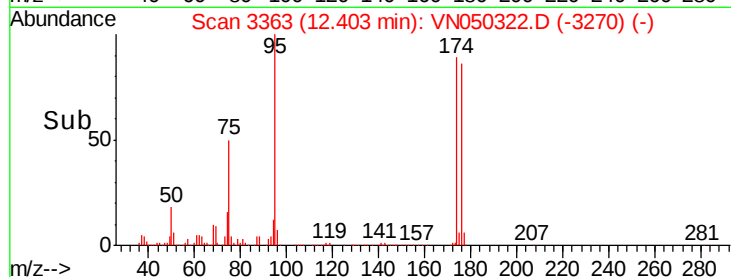
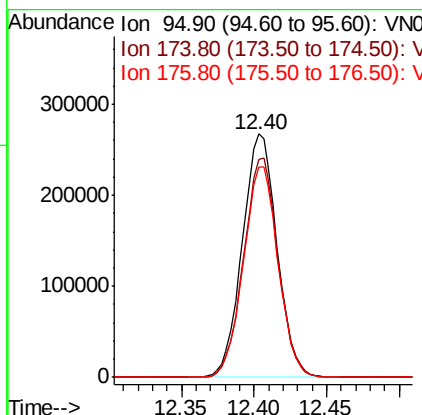
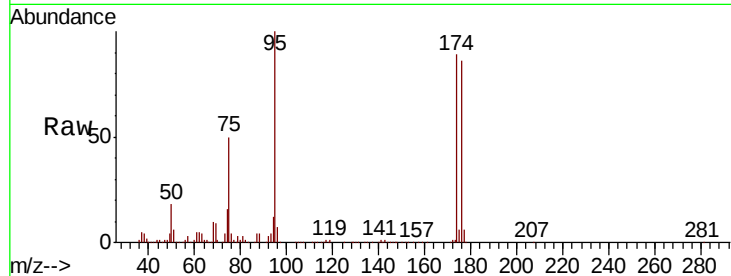




#62  
4-Bromofluorobenzene  
Concen: 39.32 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN050322.D  
Acq: 3 Aug 2018 19:07

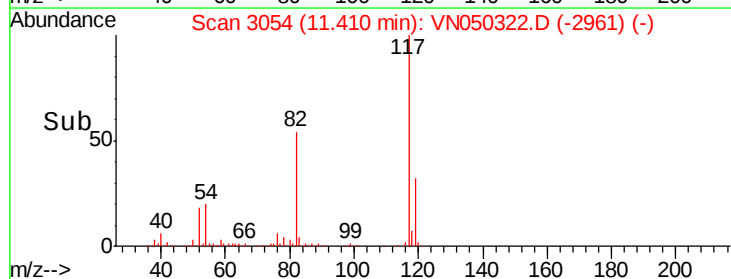
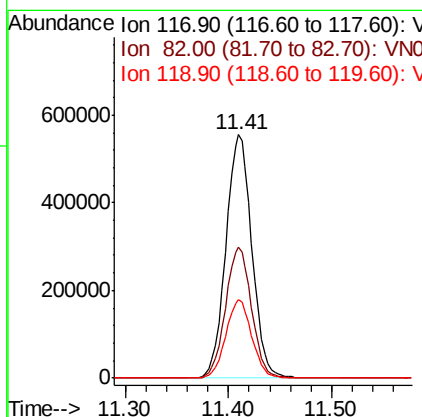
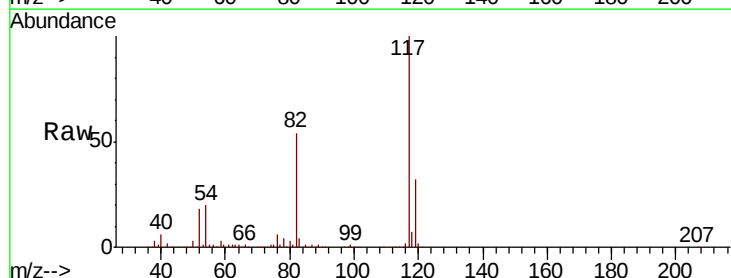
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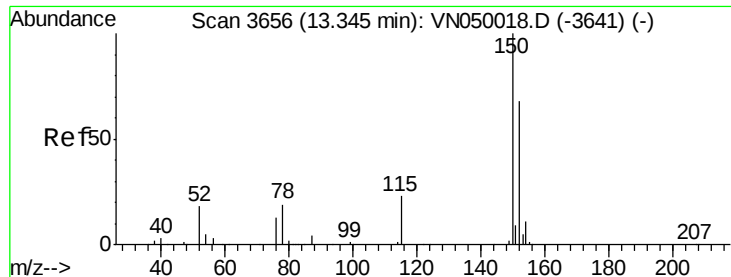
Tot Ion: 95 Resp: 443873  
Ion Ratio Lower Upper  
95 100  
174 90.0 0.0 178.2  
176 86.9 0.0 173.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050322.D  
Acq: 3 Aug 2018 19:07

Tgt Ion: 117 Resp: 972880  
Ion Ratio Lower Upper  
117 100  
82 53.9 43.7 65.5  
119 32.1 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050322.D

Acq: 3 Aug 2018 19:07

Instrument :

MSVOA\_N

ClientSampleId :

PB111719ZHE#07

Tot Ion:152 Resp: 395934

Ion Ratio Lower Upper

152 100

115 56.6 27.8 83.3

150 158.6 0.0 348.6

