

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\  
 Data File : VN050418.D  
 Acq On : 7 Aug 2018 6:21  
 Operator : MD\SY  
 Sample : J4355-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-SOIL

Quant Time: Aug 07 08:22:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 05:22:15 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 668024   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1091747  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 932170   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 352445   | 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   | 459132   | 51.44 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.88% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 418274   | 47.75 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.50%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1496323  | 45.43 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.86%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 418373   | 37.27 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 74.54%  |          |

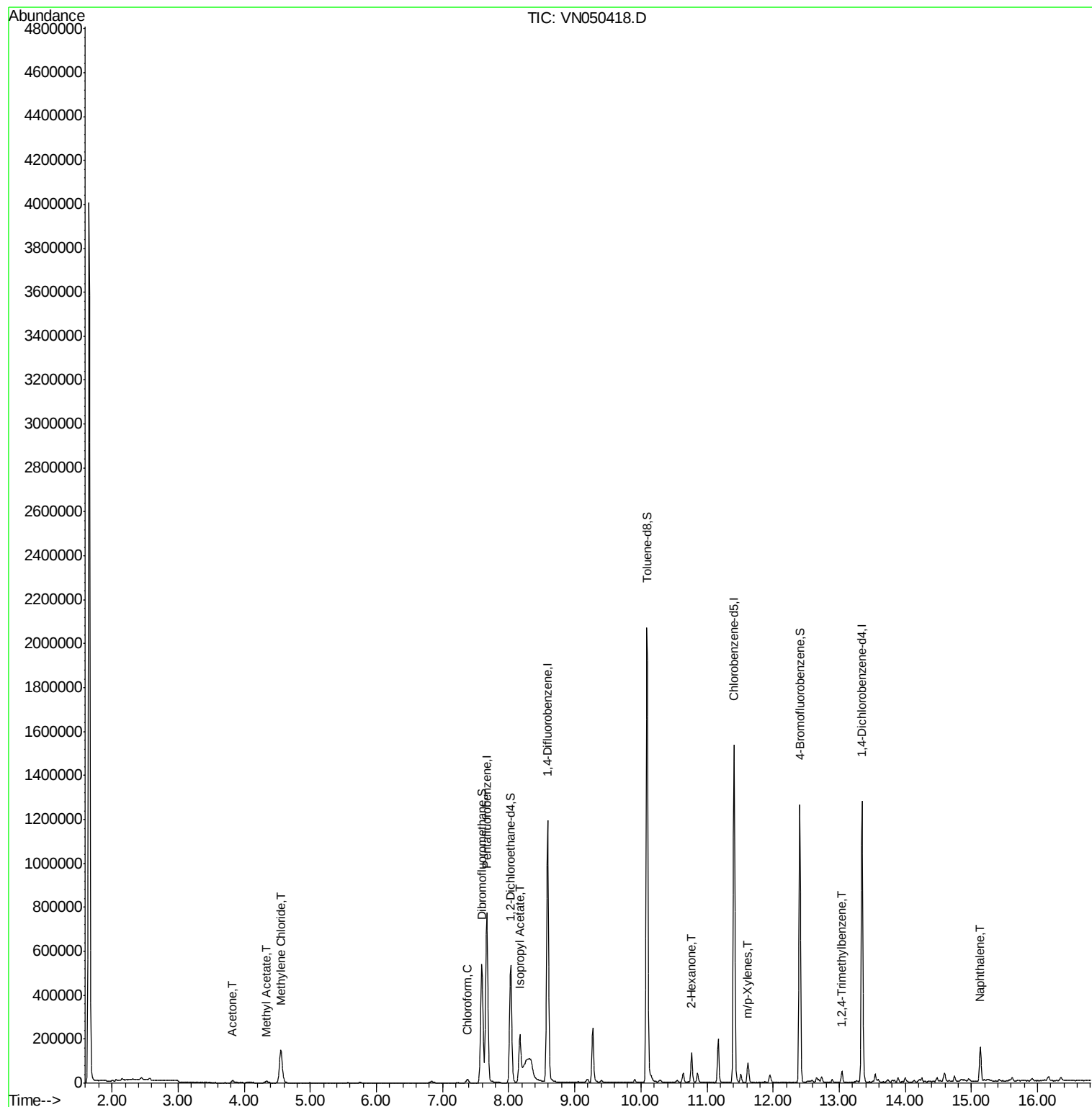
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 16) Acetone                | 3.82  | 43   | 17821    | 6.34  | ug/l   | 99     |
| 18) Methyl Acetate         | 4.33  | 43   | 15488    | 2.05  | ug/l   | 93     |
| 20) Methylene Chloride     | 4.55  | 84   | 114815   | 12.96 | ug/l   | 98     |
| 30) Chloroform             | 7.37  | 83   | 18188    | 1.25  | ug/l   | 97     |
| 43) Isopropyl Acetate      | 8.17  | 43   | 268578   | 18.01 | ug/l   | 98     |
| 59) 2-Hexanone             | 10.77 | 43   | 19526    | 2.61  | ug/l # | 56     |
| 68) m/p-Xylenes            | 11.62 | 106  | 28844    | 2.01  | ug/l   | 99     |
| 84) 1,2,4-Trimethylbenzene | 13.04 | 105  | 29267    | 1.35  | ug/l   | 98     |
| 95) Naphthalene            | 15.13 | 128  | 138486   | 11.15 | ug/l   | 99     |

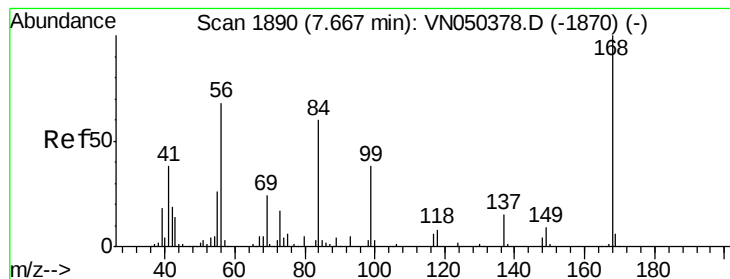
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Aug 07 05:22:15 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: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA\_N

ClientSampled :

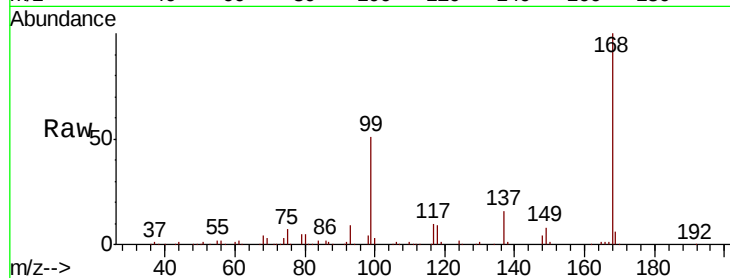
WC-SOIL

Tot Ion:168 Resp: 668024

Ion Ratio Lower Upper

168 100

99 51.2 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

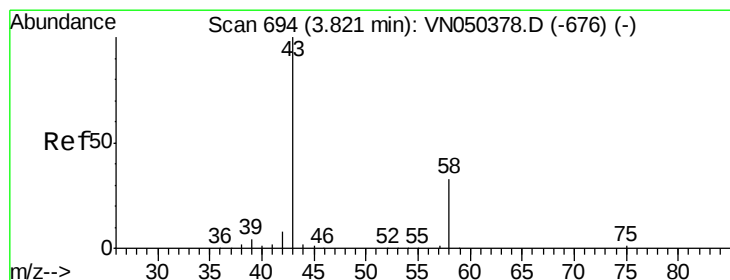
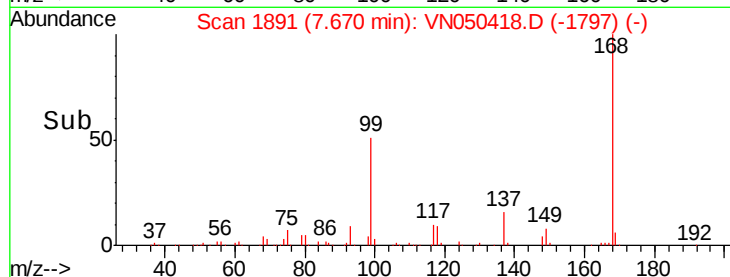
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.34 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050418.D

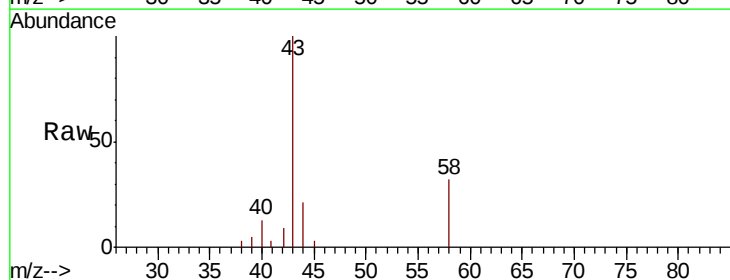
Acq: 7 Aug 2018 6:21

Tgt Ion: 43 Resp: 17821

Ion Ratio Lower Upper

43 100

58 31.9 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

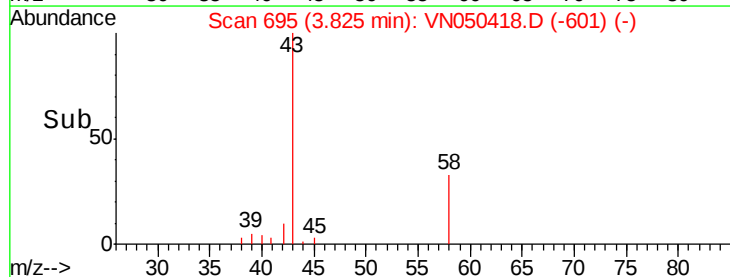
6000

4000

2000

0

Time-->

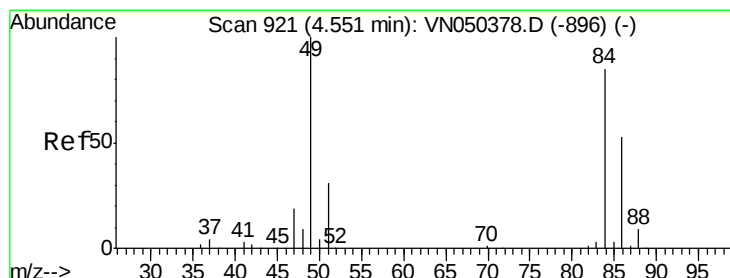
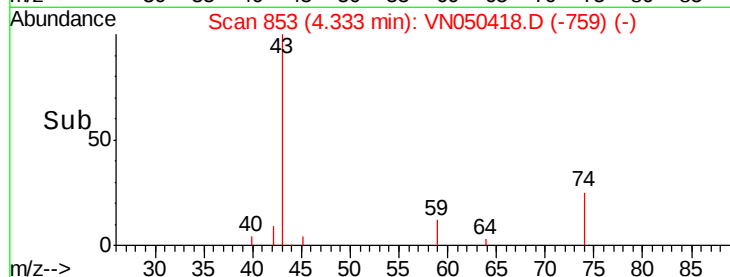
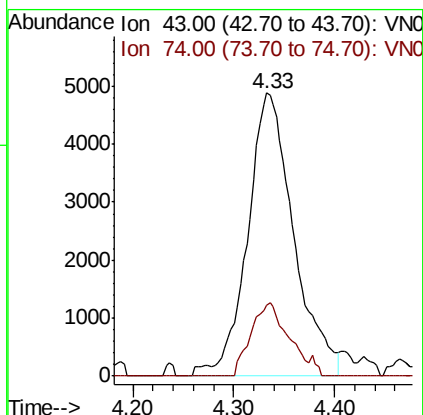
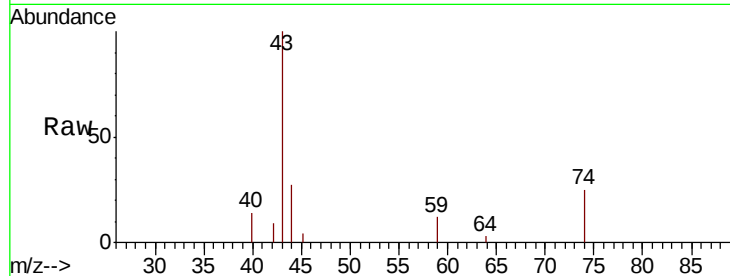




#18  
Methyl Acetate  
Concen: 2.05 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.00 min  
Lab File: VN050418.D  
Acq: 7 Aug 2018 6:21

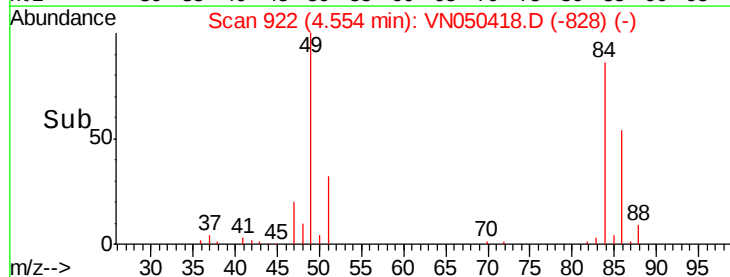
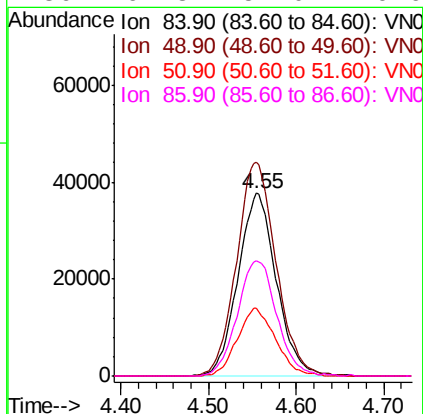
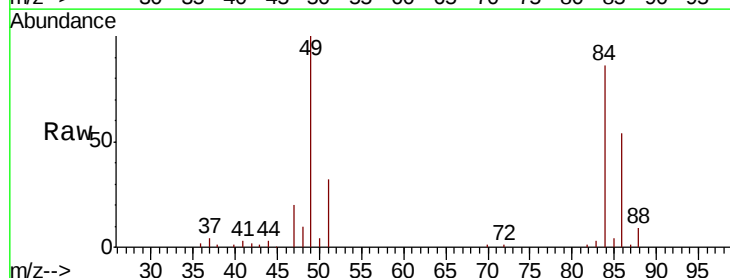
Instrument :  
MSVOA\_N  
ClientSampled :  
WC-SOIL

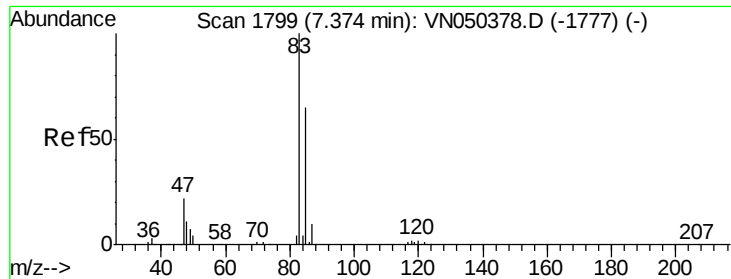
Tot Ion: 43 Resp: 15488  
Ion Ratio Lower Upper  
43 100  
74 20.7 19.2 28.8



#20  
Methylene Chloride  
Concen: 12.96 ug/l  
RT: 4.55 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VN050418.D  
Acq: 7 Aug 2018 6:21

Tgt Ion: 84 Resp: 114815  
Ion Ratio Lower Upper  
84 100  
49 116.8 94.8 142.2  
51 36.9 28.3 42.5  
86 62.8 51.0 76.6

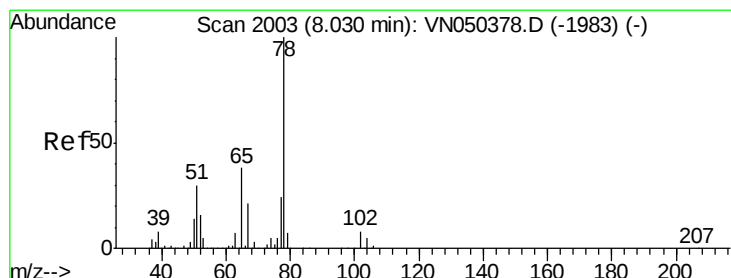
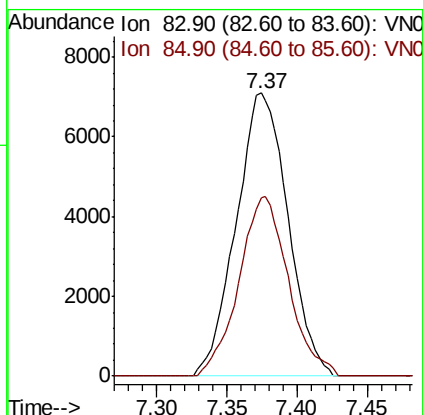
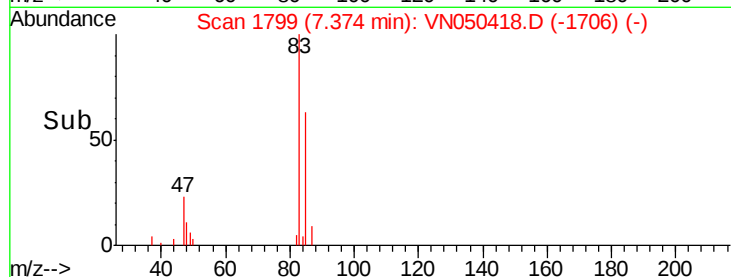
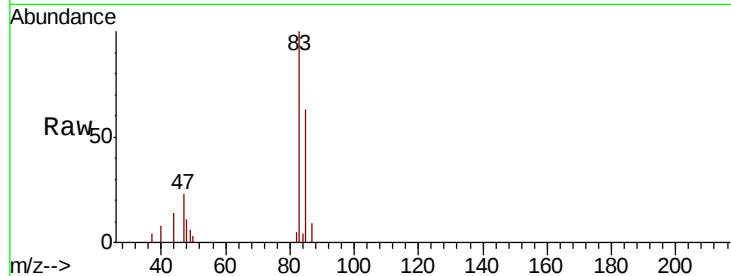




#30  
Chloroform  
Concen: 1.25 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. -0.00 min  
Lab File: VN050418.D  
Acq: 7 Aug 2018 6:21

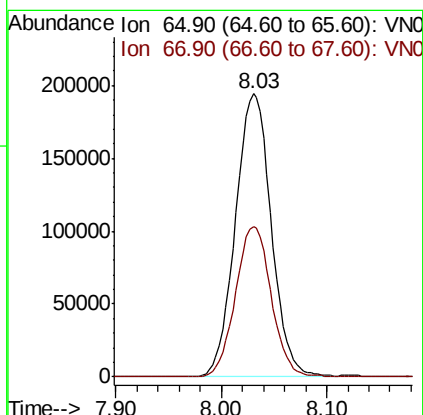
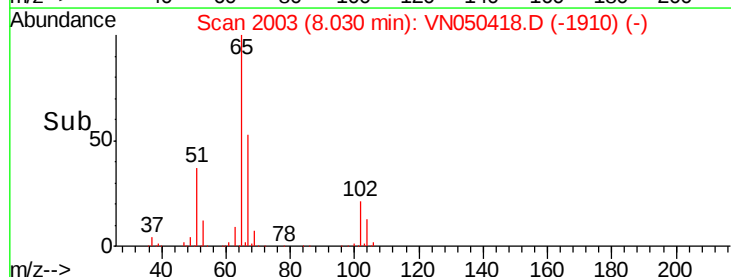
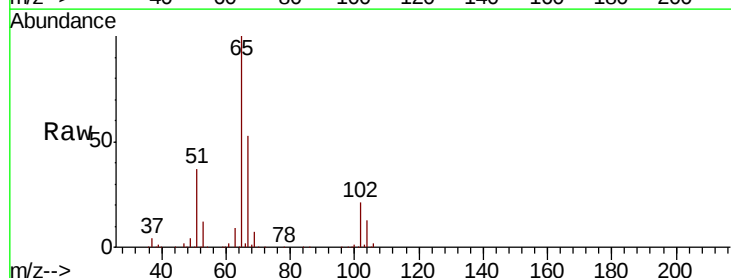
Instrument :  
MSVOA\_N  
ClientSampled :  
WC-SOIL

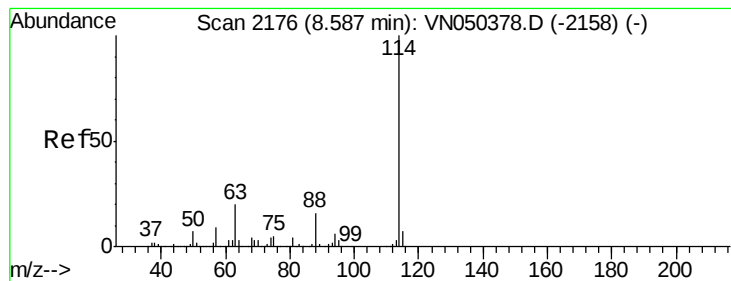
Tot Ion: 83 Resp: 18188  
Ion Ratio Lower Upper  
83 100  
85 63.0 52.5 78.7



#33  
1,2-Dichloroethane-d4  
Concen: 51.44 ug/l  
RT: 8.03 min Scan# 2003  
Delta R.T. -0.00 min  
Lab File: VN050418.D  
Acq: 7 Aug 2018 6:21

Tgt Ion: 65 Resp: 459132  
Ion Ratio Lower Upper  
65 100  
67 53.1 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: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA\_N

ClientSampleId :

WC-SOIL

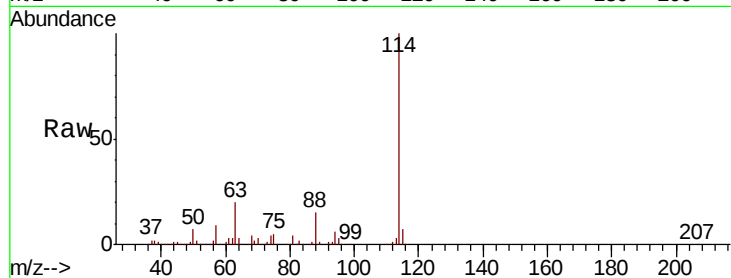
Tot Ion:114 Resp: 1091747

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

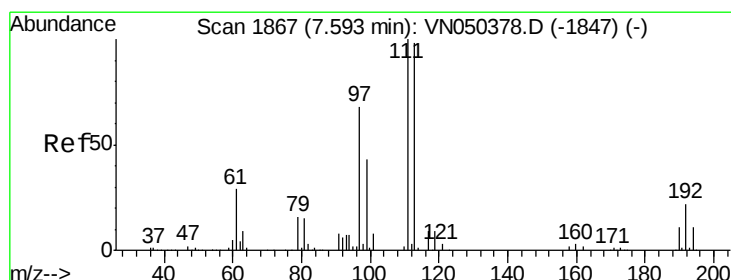
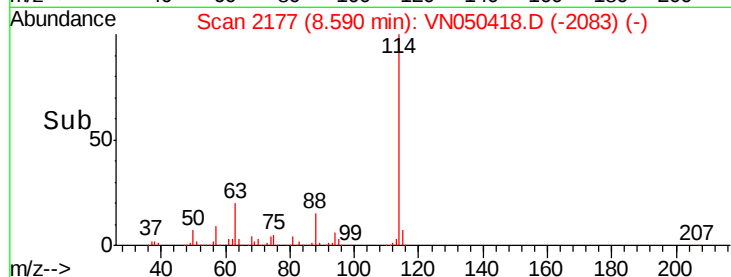
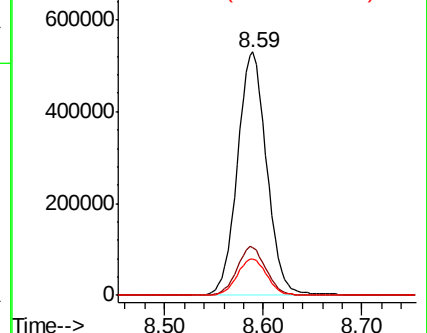
88 15.1 0.0 31.2



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: 47.75 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

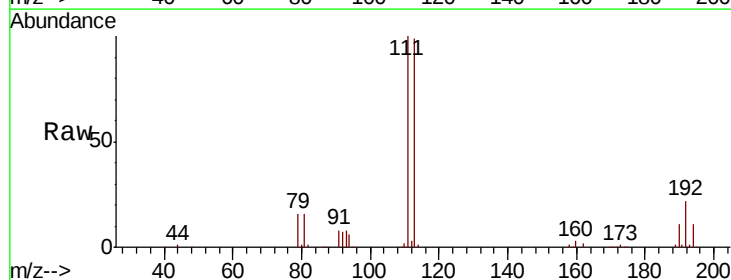
Tgt Ion:113 Resp: 418274

Ion Ratio Lower Upper

113 100

111 103.0 80.7 121.1

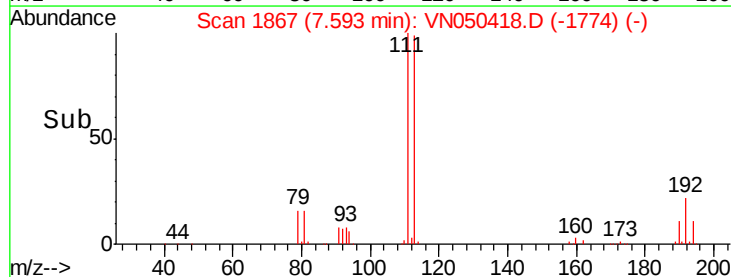
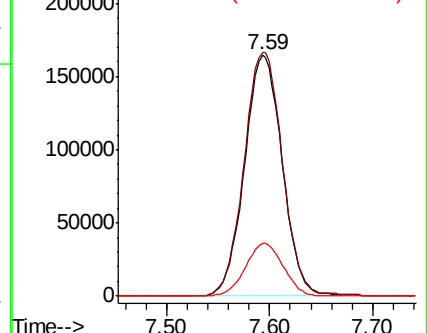
192 22.0 17.8 26.6

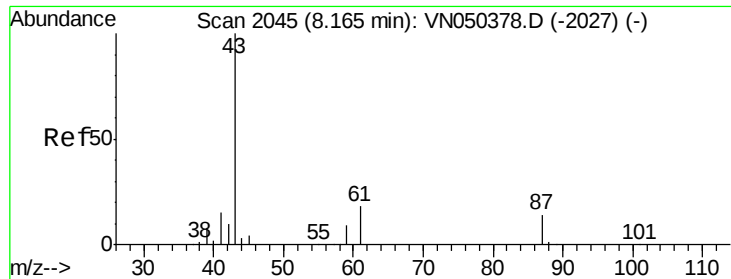


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 18.01 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA\_N

ClientSampleId :

WC-SOIL

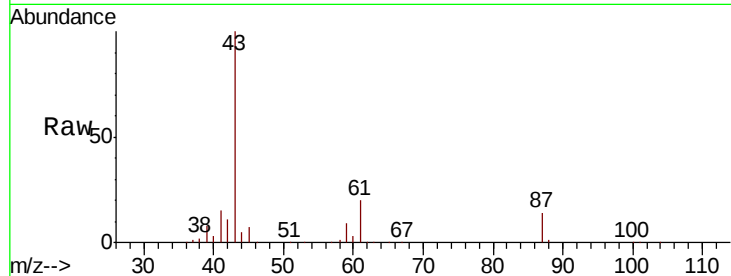
Tot Ion: 43 Resp: 268578

Ion Ratio Lower Upper

43 100

61 18.6 15.8 23.6

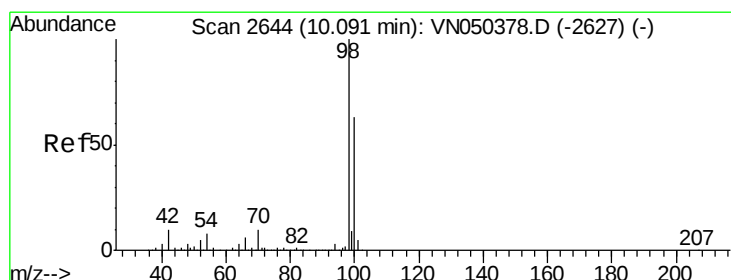
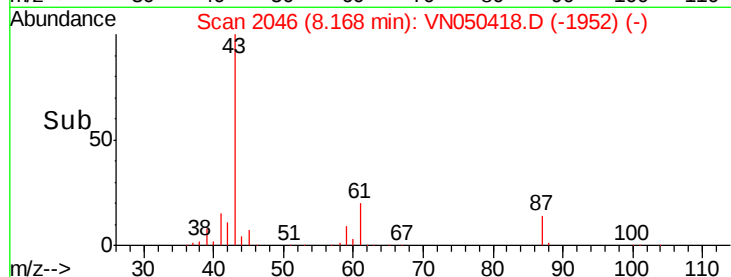
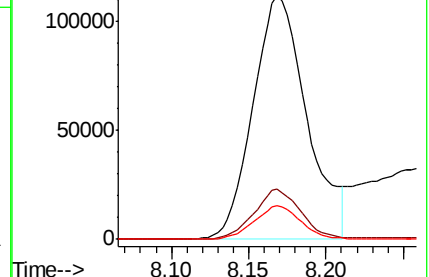
87 12.1 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 45.43 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050418.D

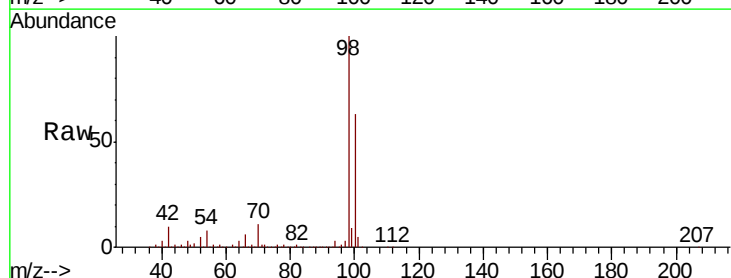
Acq: 7 Aug 2018 6:21

Tgt Ion: 98 Resp: 1496323

Ion Ratio Lower Upper

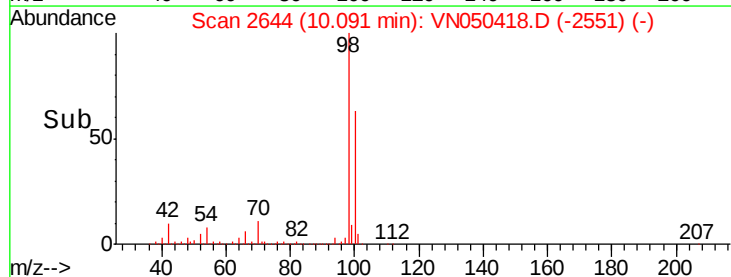
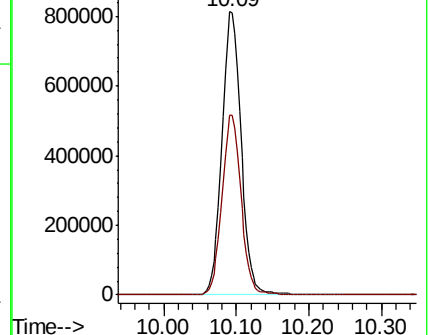
98 100

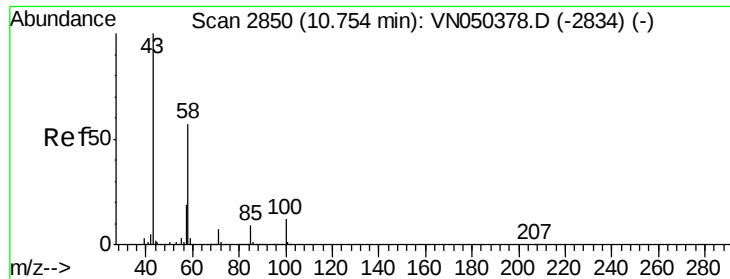
100 63.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#59

2-Hexanone

Concen: 2.61 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA\_N

ClientSampled :

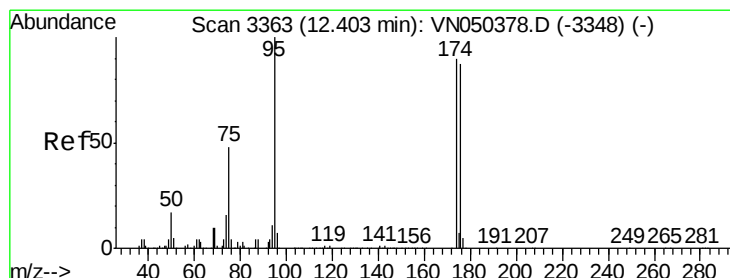
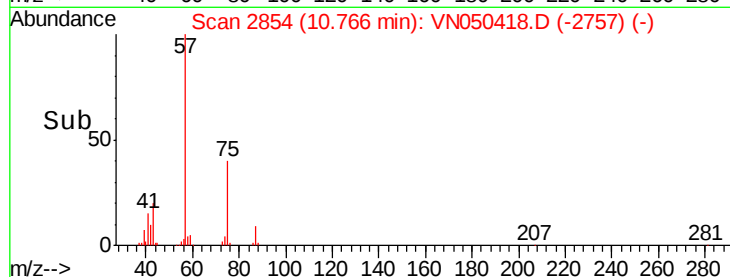
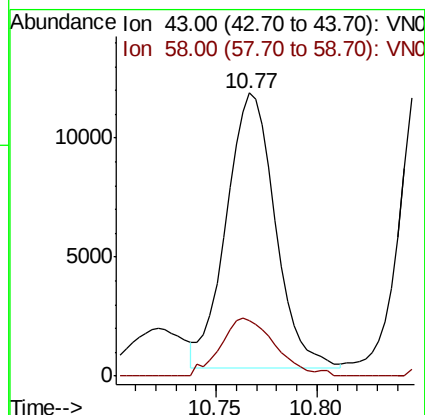
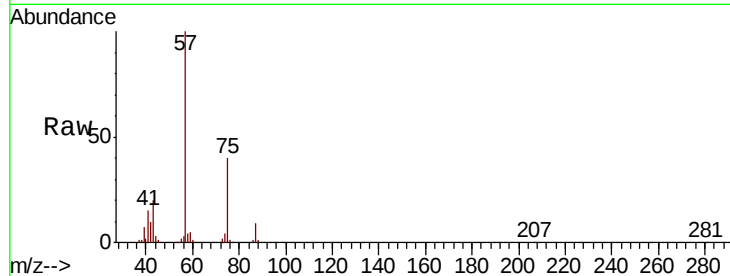
WC-SOIL

Tot Ion: 43 Resp: 19526

Ion Ratio Lower Upper

43 100

58 23.5 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 37.27 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

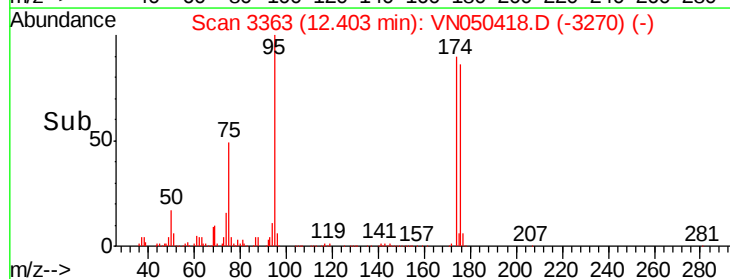
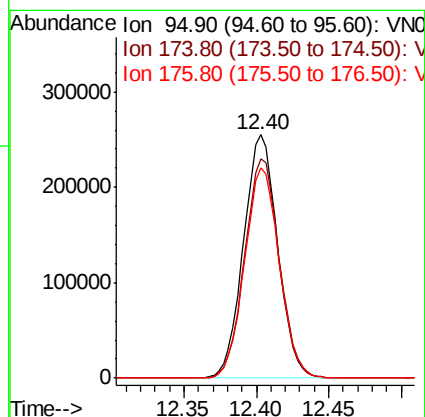
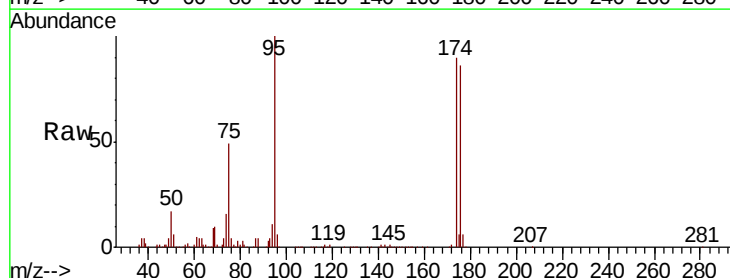
Tgt Ion: 95 Resp: 418373

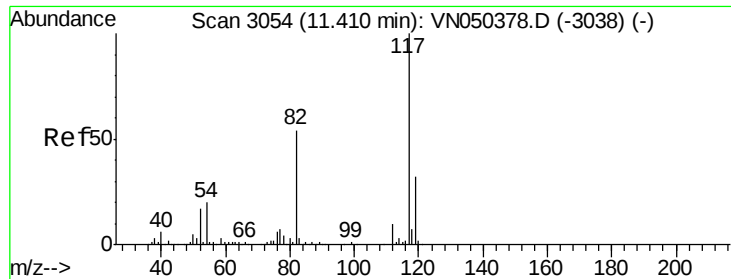
Ion Ratio Lower Upper

95 100

174 91.6 0.0 178.2

176 87.7 0.0 173.4

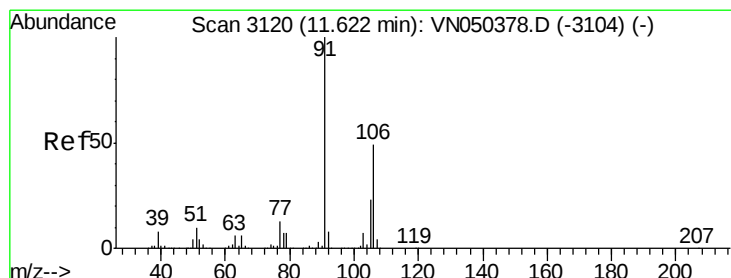
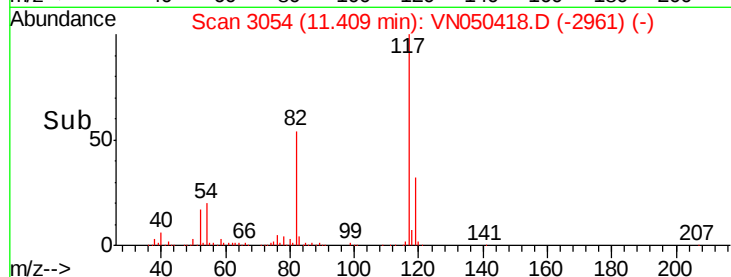
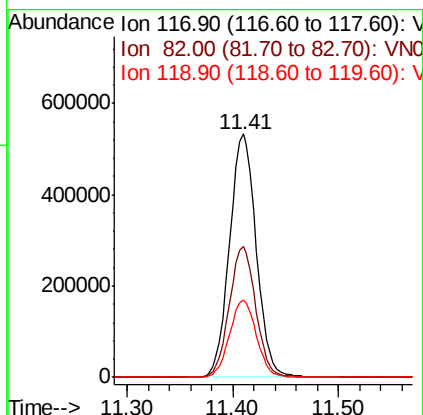
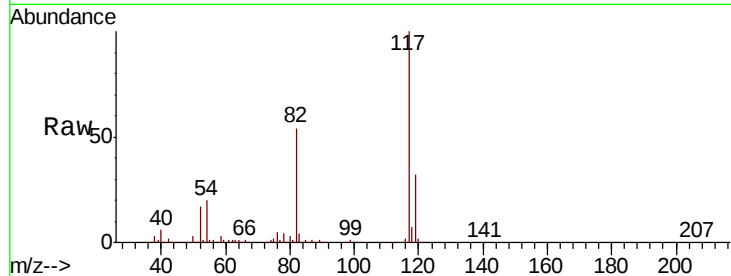




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN050418.D  
Acq: 7 Aug 2018 6:21

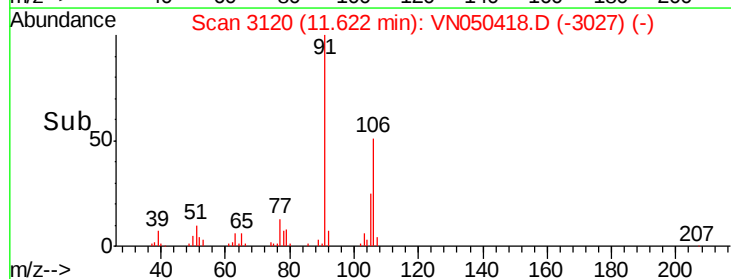
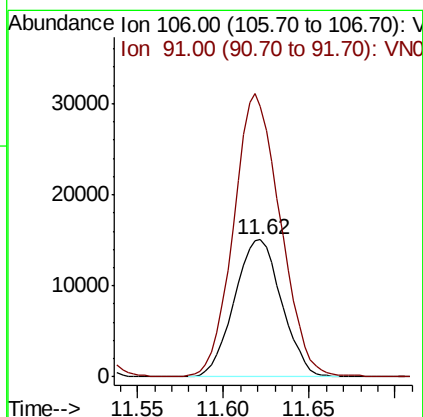
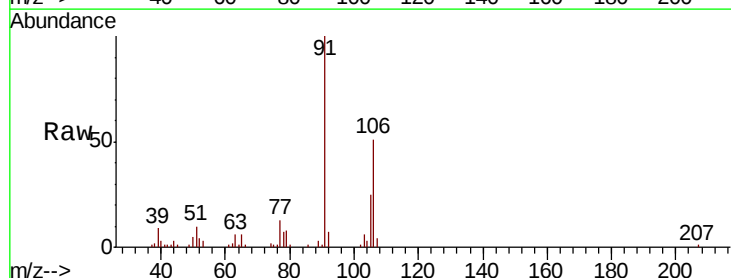
Instrument :  
MSVOA\_N  
ClientSampled :  
WC-SOIL

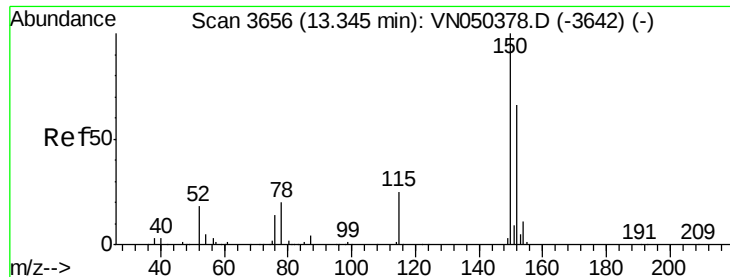
Tot Ion:117 Resp: 932170  
Ion Ratio Lower Upper  
117 100  
82 54.0 43.7 65.5  
119 31.9 26.1 39.1



#68  
m/p-Xylenes  
Concen: 2.01 ug/l  
RT: 11.62 min Scan# 3120  
Delta R.T. -0.00 min  
Lab File: VN050418.D  
Acq: 7 Aug 2018 6:21

Tgt Ion:106 Resp: 28844  
Ion Ratio Lower Upper  
106 100  
91 204.1 162.2 243.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA\_N

ClientSampled :

WC-SOIL

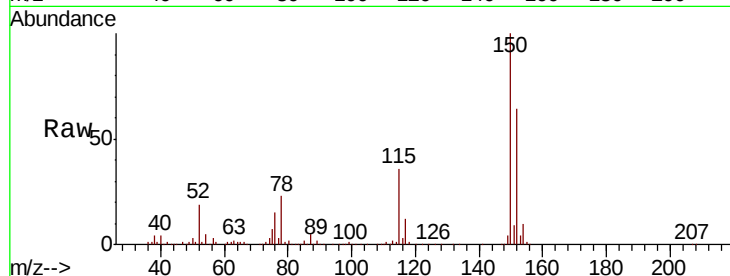
Tot Ion:152 Resp: 352445

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.3

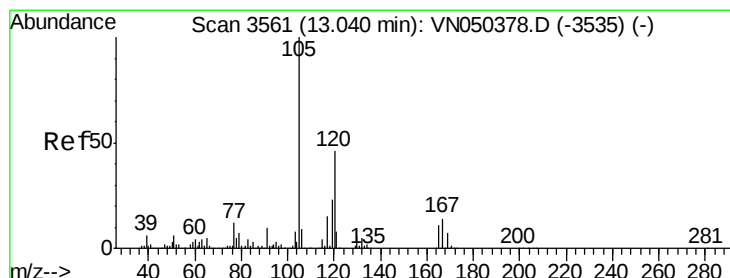
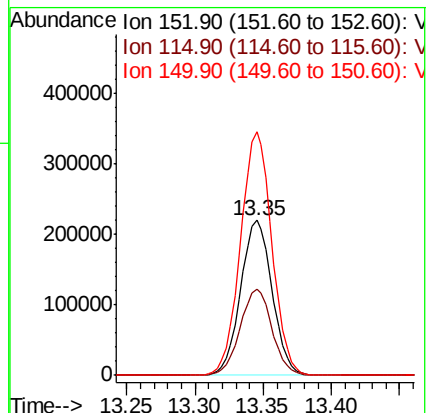
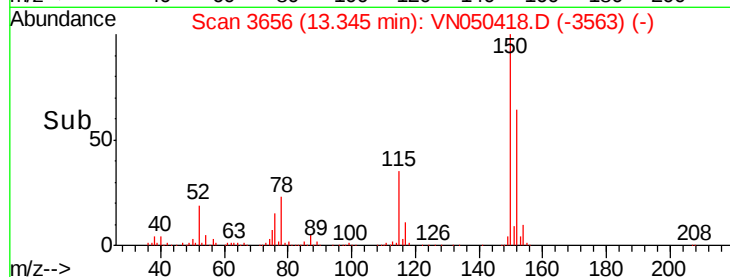
150 156.0 0.0 348.6



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



#84

1,2,4-Trimethylbenzene

Concen: 1.35 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN050418.D

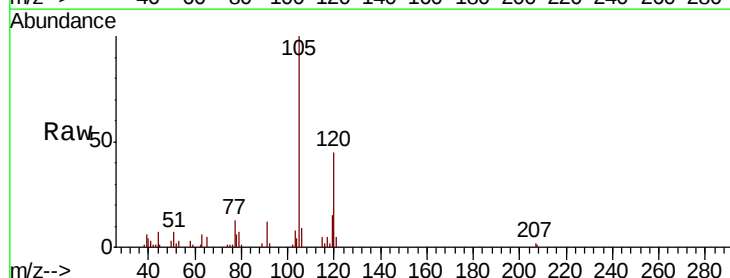
Acq: 7 Aug 2018 6:21

Tgt Ion:105 Resp: 29267

Ion Ratio Lower Upper

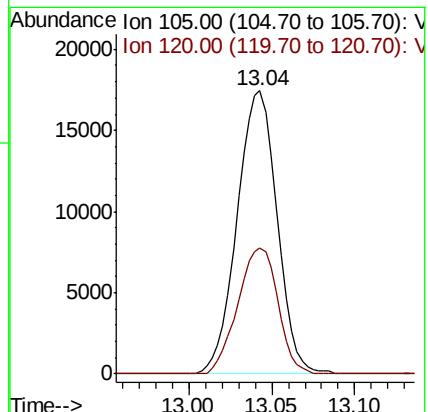
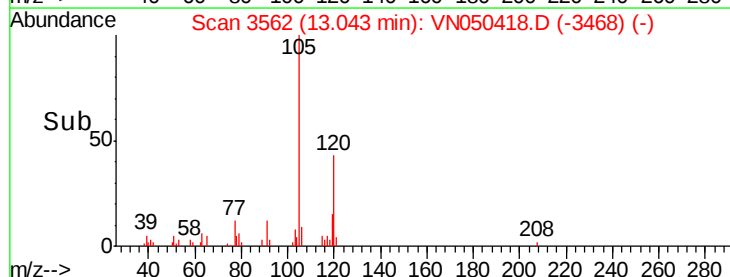
105 100

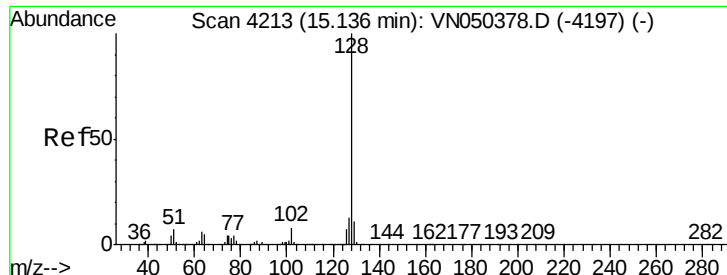
120 44.7 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

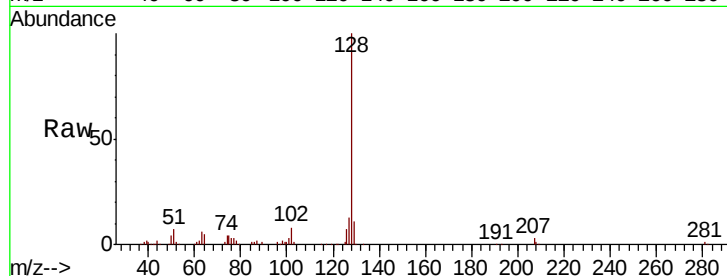




#95  
 Naphthalene  
 Concen: 11.15 ug/l  
 RT: 15.13 min Scan# 4212  
 Delta R.T. -0.00 min  
 Lab File: VN050418.D  
 Acq: 7 Aug 2018 6:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-SOIL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.4  | 10.4  | 15.6  |
| 129     | 11.0  | 8.8   | 13.2  |



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

