

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\  
 Data File : VN050199.D  
 Acq On : 30 Jul 2018 20:06  
 Operator : MD\SY  
 Sample : J4217-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SOIL-1

Quant Time: Jul 31 01:14:58 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  | 628926   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1036870  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 896019   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 340662   | 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   | 447829   | 51.03 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.06% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 395641   | 46.73 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.46%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1412260  | 45.38 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.76%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 398650   | 38.90 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 77.80%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 5) Bromomethane                | 2.54  | 94   | 61       | Below Cal | #     | 3      |
| 16) Acetone                    | 3.83  | 43   | 21153    | 6.00      | ug/l  | 95     |
| 17) Carbon Disulfide           | 4.05  | 76   | 5009     | 0.23      | ug/l  | # 75   |
| 18) Methyl Acetate             | 4.34  | 43   | 28515    | 1.98      | ug/l  | 98     |
| 20) Methylene Chloride         | 4.55  | 84   | 128414   | 15.64     | ug/l  | 99     |
| 25) 2-Butanone                 | 6.85  | 43   | 3313     | 0.99      | ug/l  | 97     |
| 29) Tetrahydrofuran            | 7.23  | 42   | 1146     | 0.53      | ug/l  | # 34   |
| 30) Chloroform                 | 7.38  | 83   | 6230     | 0.42      | ug/l  | 90     |
| 31) Cyclohexane                | 7.67  | 56   | 11827    | 0.91      | ug/l  | # 1    |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 43058    | 3.69      | ug/l  | # 49   |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 55725    | 4.50      | ug/l  | # 16   |
| 41) Methacrylonitrile          | 7.21  | 41   | 175      | 2.79      | ug/l  | # 24   |
| 43) Isopropyl Acetate          | 8.17  | 43   | 300722   | 18.88     | ug/l  | # 91   |
| 48) Methyl methacrylate        | 9.18  | 41   | 8812     | 1.26      | ug/l  | # 22   |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 2121     | 0.26      | ug/l  | # 86   |
| 56) Ethyl methacrylate         | 10.29 | 69   | 175      | 2.05      | ug/l  | # 1    |
| 59) 2-Hexanone                 | 10.77 | 43   | 17540    | 8.09      | ug/l  | # 56   |
| 67) Ethyl Benzene              | 11.51 | 91   | 27699    | 0.76      | ug/l  | 93     |
| 68) m/p-Xylenes                | 11.62 | 106  | 28904    | 2.10      | ug/l  | 98     |
| 69) o-Xylene                   | 11.95 | 106  | 9348     | 0.71      | ug/l  | 97     |
| 70) Styrene                    | 11.96 | 104  | 963      | 0.96      | ug/l  | # 1    |
| 71) Bromoform                  | 12.40 | 173  | 3770     | 0.60      | ug/l  | # 1    |
| 75) 1,1,2,2-Tetrachloroethane  | 12.43 | 83   | 30       | Below Cal | #     | 25     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 196705   | 31.07     | ug/l  | # 100  |
| 78) n-propylbenzene            | 12.59 | 91   | 14510    | 0.49      | ug/l  | 99     |
| 79) 2-Chlorotoluene            | 12.66 | 91   | 5028     | 0.27      | ug/l  | # 40   |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 23088    | 1.11      | ug/l  | 98     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 196705   | 98.55     | ug/l  | # 13   |
| 83) tert-Butylbenzene          | 13.04 | 119  | 10232    | 0.56      | ug/l  | # 73   |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 69438    | 3.31      | ug/l  | 98     |
| 90) Hexachloroethane           | 13.89 | 117  | 1905     | 0.42      | ug/l  | # 4    |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 31       | Below Cal | #     | 1      |
| 95) Naphthalene                | 15.14 | 128  | 28243    | 6.07      | ug/l  | 98     |

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Quant Title : SW846 8260  
QLast Update : Thu Jul 26 18:10:10 2018  
Response via : Initial Calibration

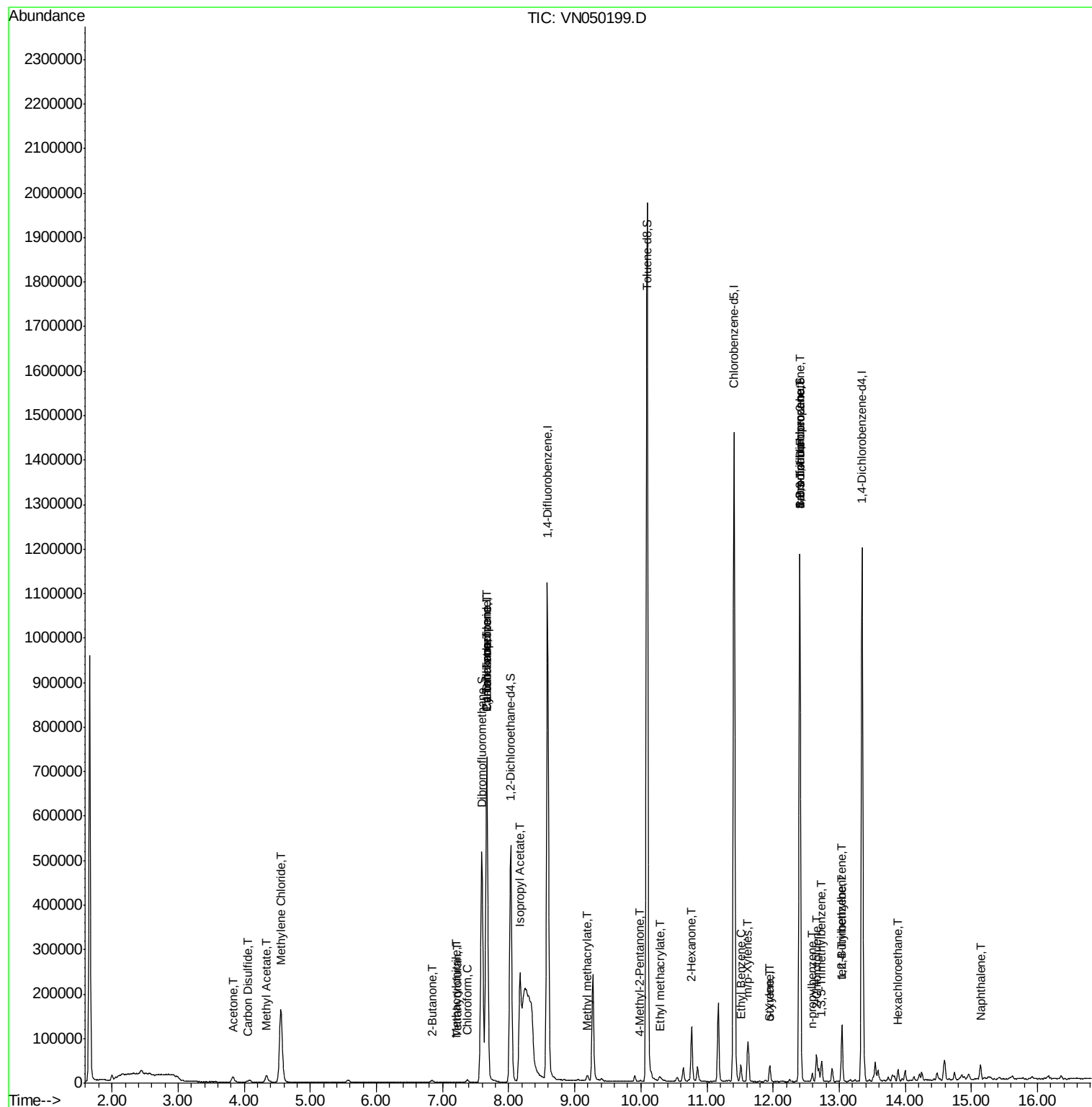
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

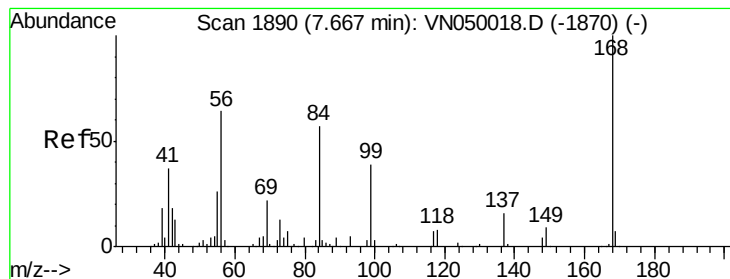
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN073018\  
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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: VN050199.D

Acq: 30 Jul 2018 20:06

Instrument :

MSVOA\_N

ClientSampled :

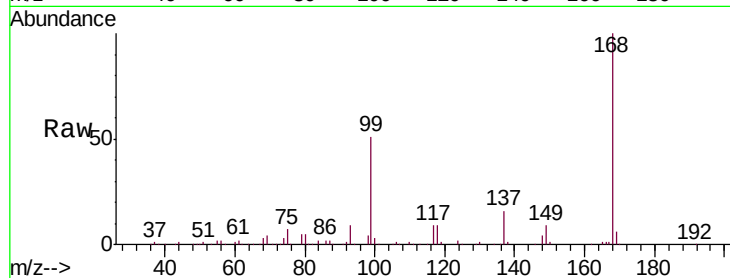
SOIL-1

Tot Ion:168 Resp: 628926

Ion Ratio Lower Upper

168 100

99 51.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050199.D (-1798) (-)

Ion 98.90 (98.60 to 99.60): VN050199.D (-1798) (-)

7.67

250000

200000

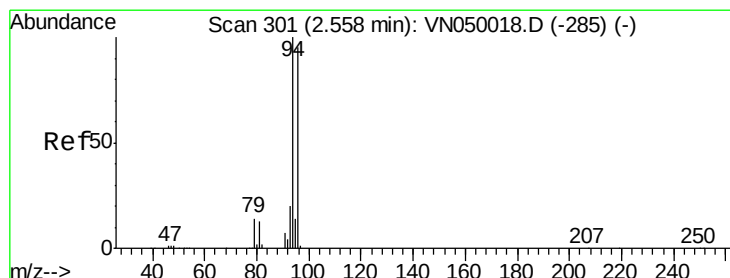
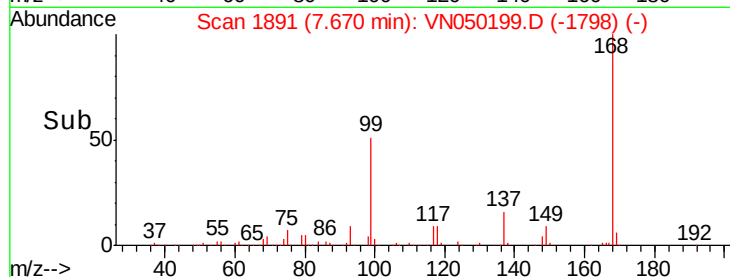
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 295

Delta R.T. -0.01 min

Lab File: VN050199.D

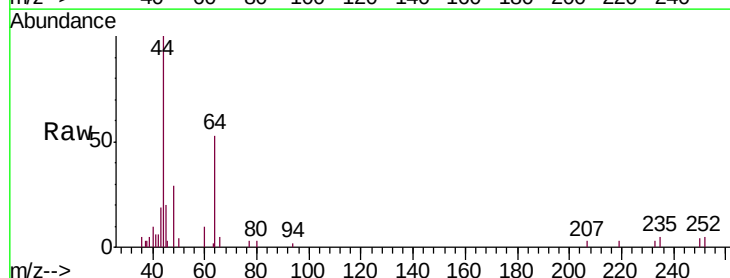
Acq: 30 Jul 2018 20:06

Tgt Ion: 94 Resp: 61

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN050199.D (-206) (-)

Ion 95.90 (95.60 to 96.60): VN050199.D (-206) (-)

250

200

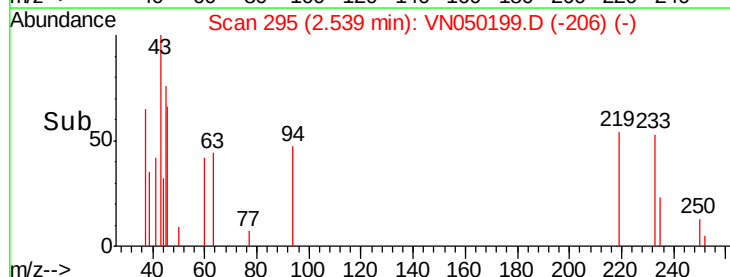
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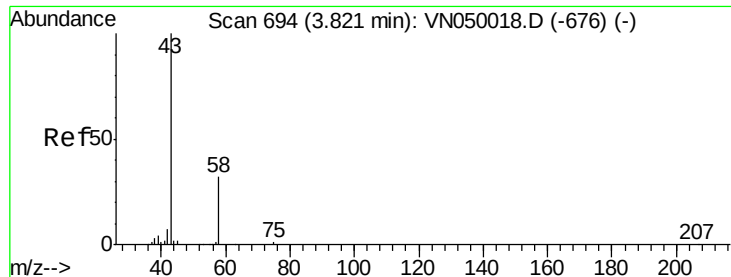
100

50

0

Time-->





#16

Acetone

Concen: 6.00 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050199.D

Acq: 30 Jul 2018 20:06

Instrument :

MSVOA\_N

ClientSampled :

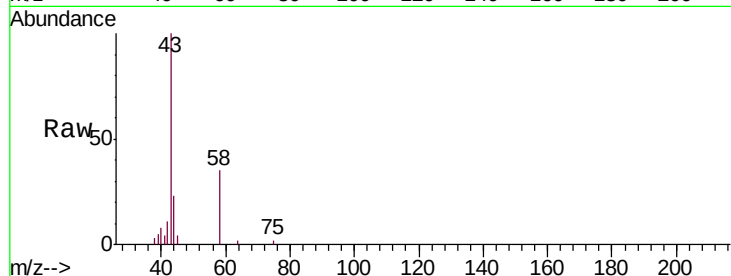
SOIL-1

Tot Ion: 43 Resp: 21153

Ion Ratio Lower Upper

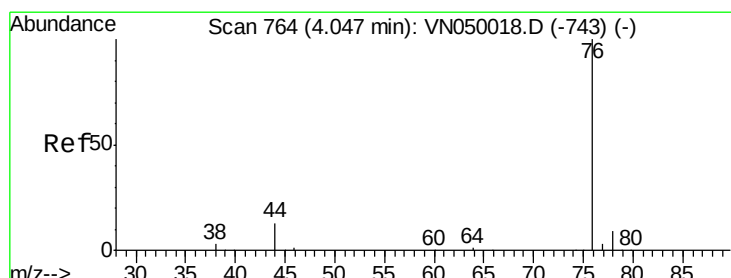
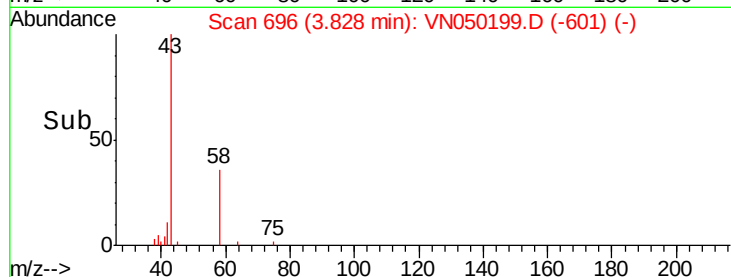
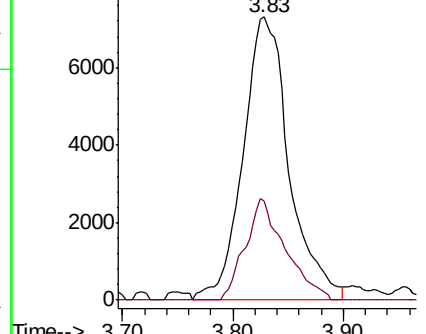
43 100

58 34.9 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-676) (-)



#17

Carbon Disulfide

Concen: 0.23 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050199.D

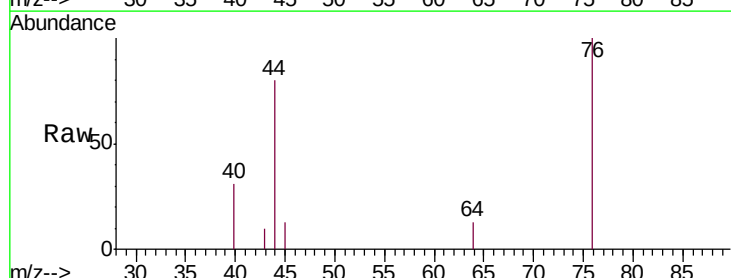
Acq: 30 Jul 2018 20:06

Tgt Ion: 76 Resp: 5009

Ion Ratio Lower Upper

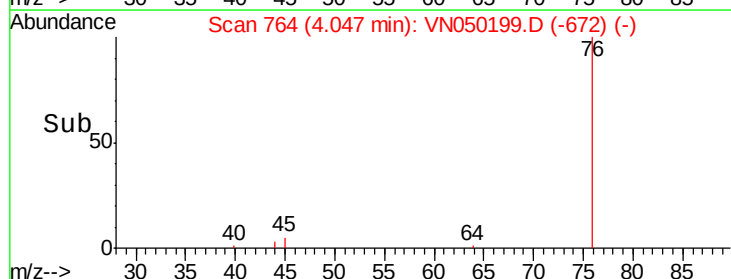
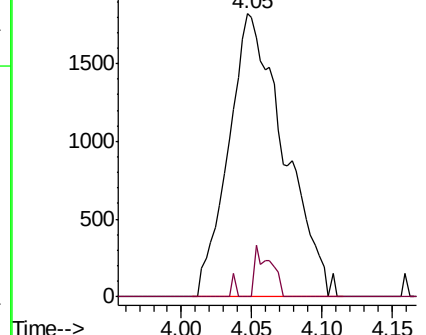
76 100

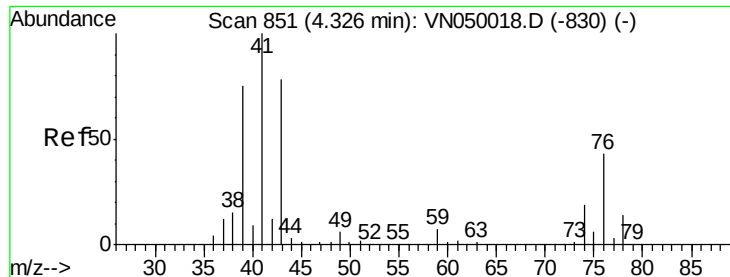
78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN050018.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050018.D (-743) (-)

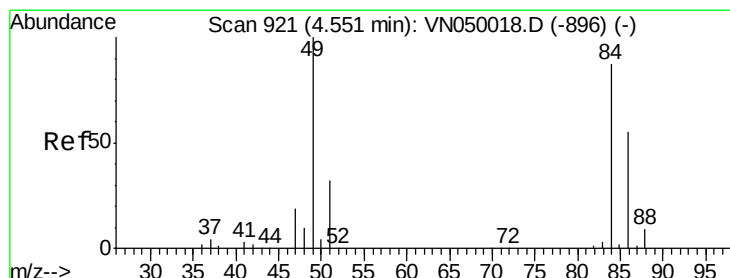
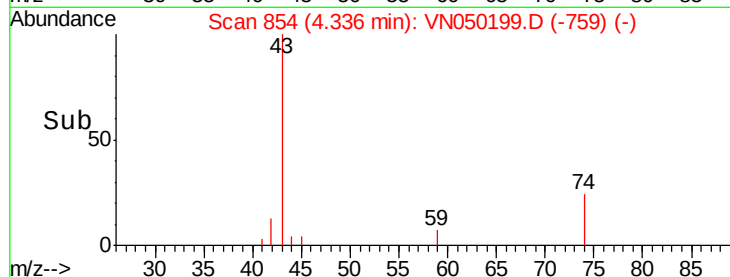
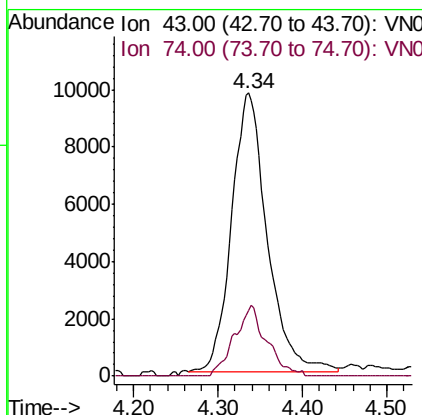
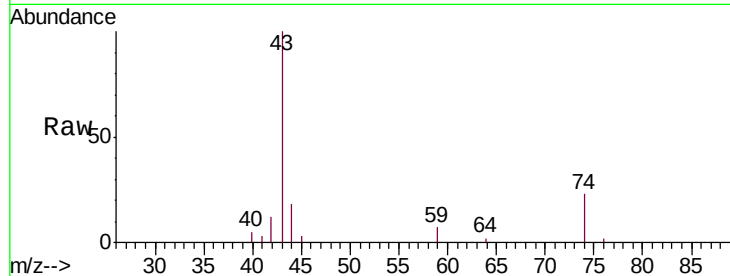




#18  
Methvl Acetate  
Concen: 1.98 ug/l  
RT: 4.34 min Scan# 854  
Delta R.T. 0.00 min  
Lab File: VN050199.D  
Acq: 30 Jul 2018 20:06

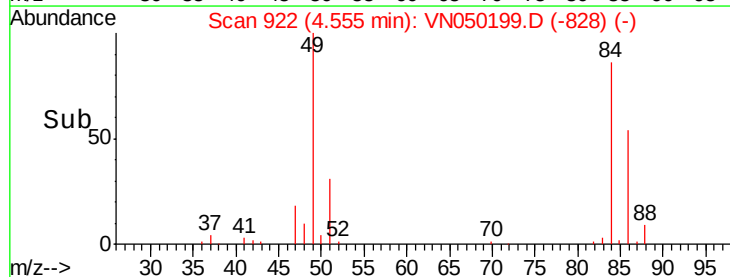
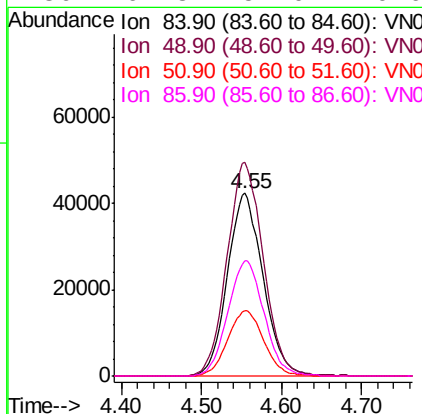
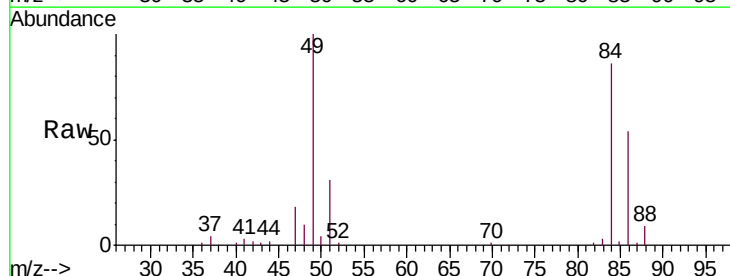
Instrument :  
MSVOA\_N  
ClientSampled :  
SOIL-1

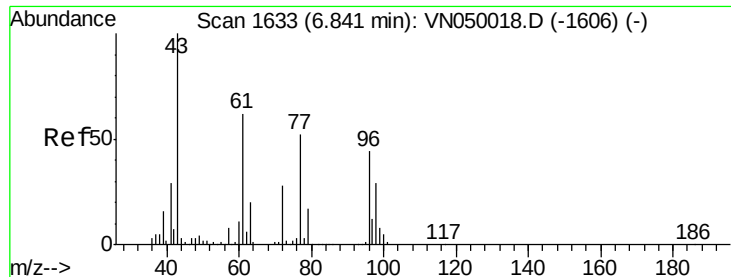
Tot Ion: 43 Resp: 28515  
Ion Ratio Lower Upper  
43 100  
74 23.1 19.2 28.8



#20  
Methylene Chloride  
Concen: 15.64 ug/l  
RT: 4.55 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VN050199.D  
Acq: 30 Jul 2018 20:06

Tgt Ion: 84 Resp: 128414  
Ion Ratio Lower Upper  
84 100  
49 116.9 94.8 142.2  
51 36.1 28.3 42.5  
86 62.8 51.0 76.6

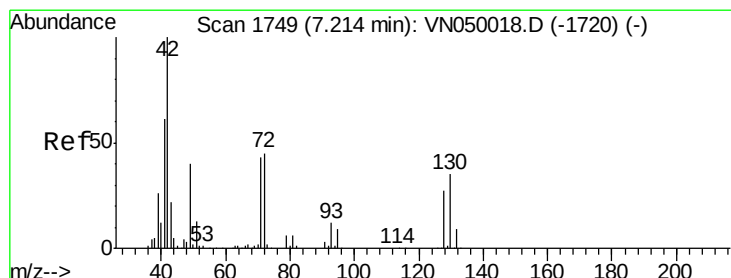
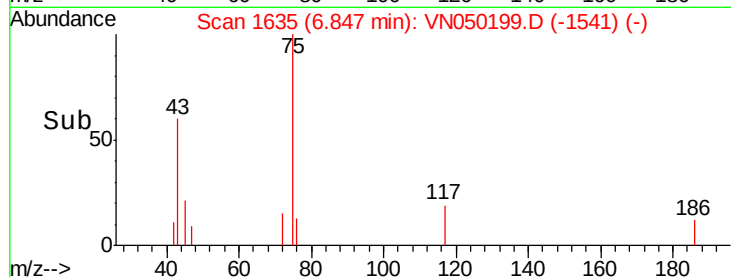
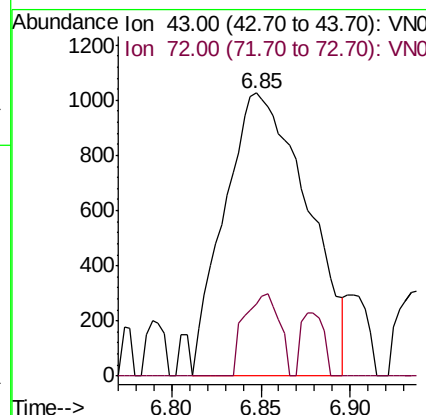
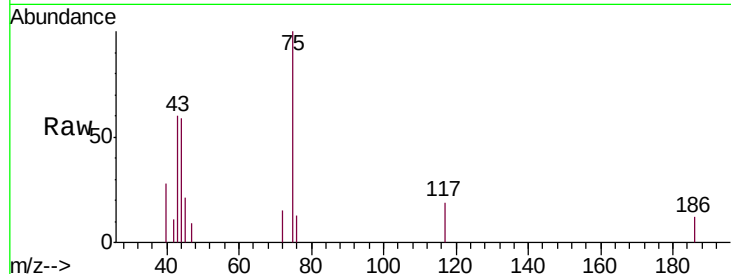




#25  
2-Butanone  
Concen: 0.99 ug/l  
RT: 6.85 min Scan# 1635  
Delta R.T. 0.00 min  
Lab File: VN050199.D  
Acq: 30 Jul 2018 20:06

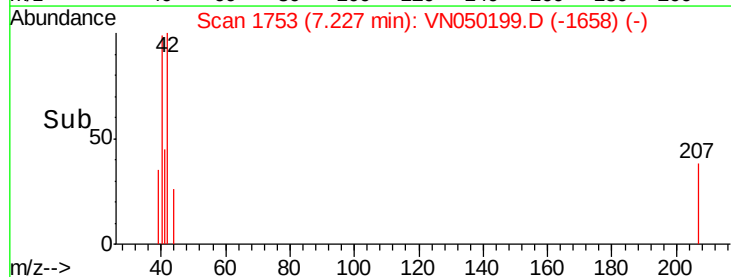
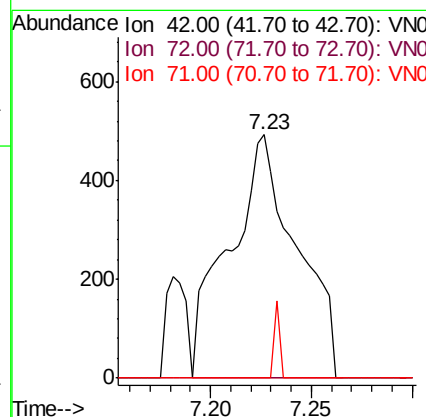
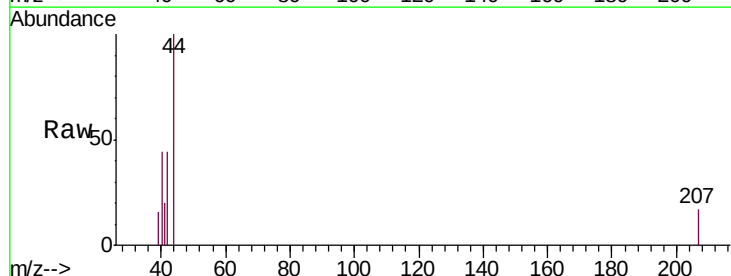
Instrument :  
MSVOA\_N  
ClientSampled :  
SOIL-1

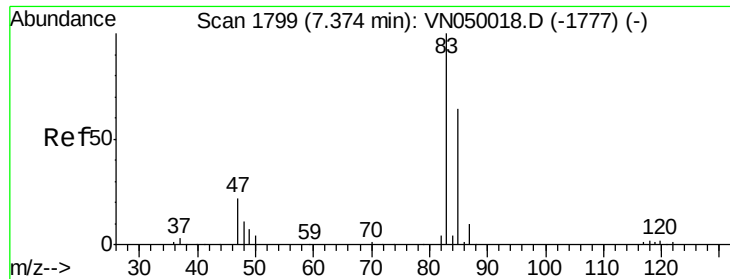
Tot Ion: 43 Resp: 3313  
Ion Ratio Lower Upper  
43 100  
72 25.5 21.5 32.3



#29  
Tetrahydrofuran  
Concen: 0.53 ug/l  
RT: 7.23 min Scan# 1753  
Delta R.T. 0.01 min  
Lab File: VN050199.D  
Acq: 30 Jul 2018 20:06

Tgt Ion: 42 Resp: 1146  
Ion Ratio Lower Upper  
42 100  
72 0.0 35.9 53.9#  
71 2.6 33.7 50.5#

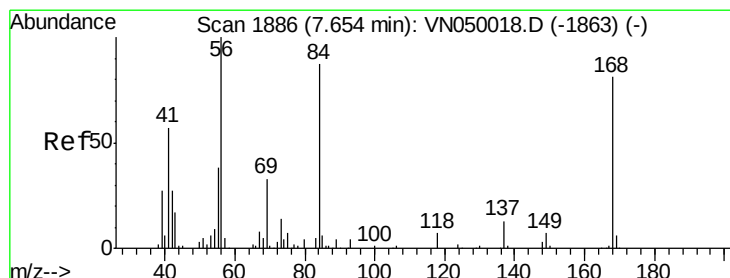
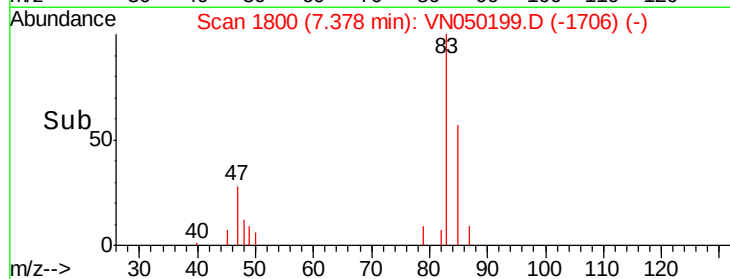
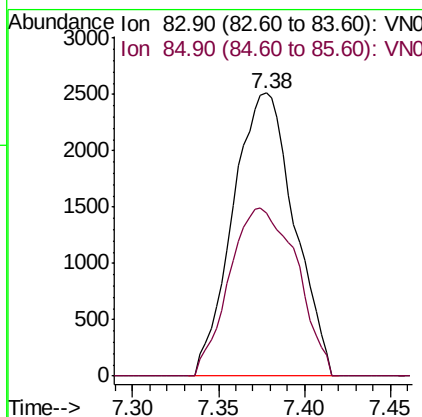
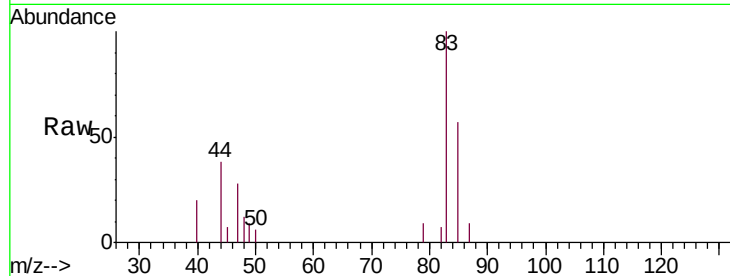




#30  
Chloroform  
Concen: 0.42 ug/l  
RT: 7.38 min Scan# 1800  
Delta R.T. 0.00 min  
Lab File: VN050199.D  
Acq: 30 Jul 2018 20:06

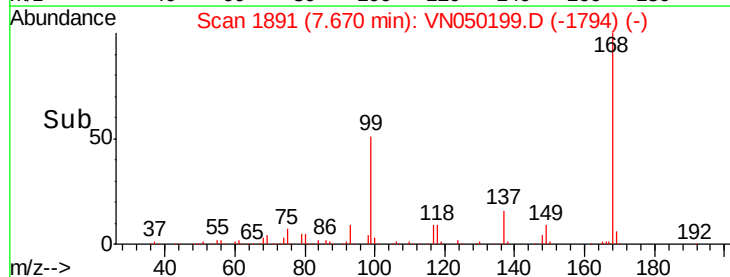
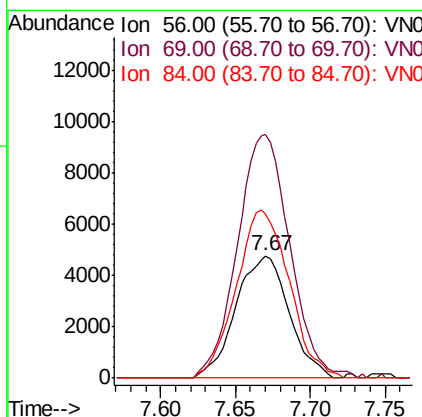
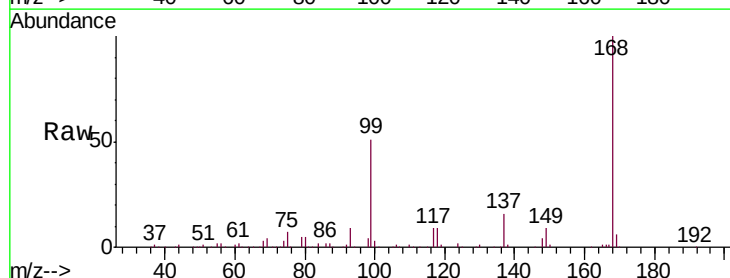
Instrument :  
MSVOA\_N  
ClientSampleId :  
SOIL-1

Tot Ion: 83 Resp: 6230  
Ion Ratio Lower Upper  
83 100  
85 57.5 52.5 78.7

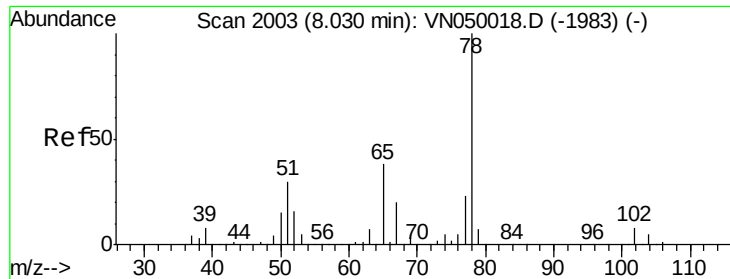


#31  
Cyclohexane  
Concen: 0.91 ug/l  
RT: 7.67 min Scan# 1891  
Delta R.T. 0.01 min  
Lab File: VN050199.D  
Acq: 30 Jul 2018 20:06

Tgt Ion: 56 Resp: 11827  
Ion Ratio Lower Upper  
56 100  
69 198.8 26.2 39.4#  
84 133.6 67.4 101.0#



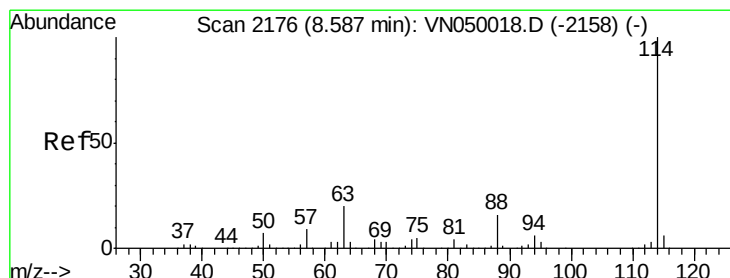
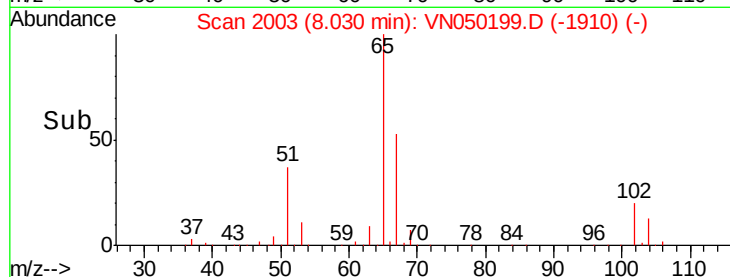
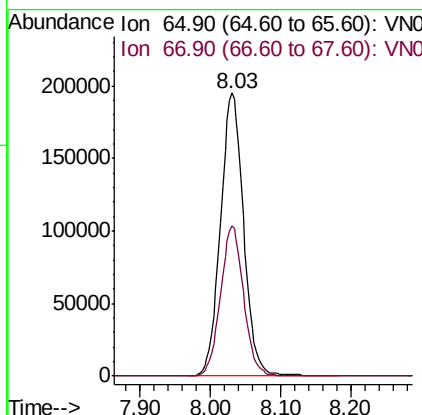
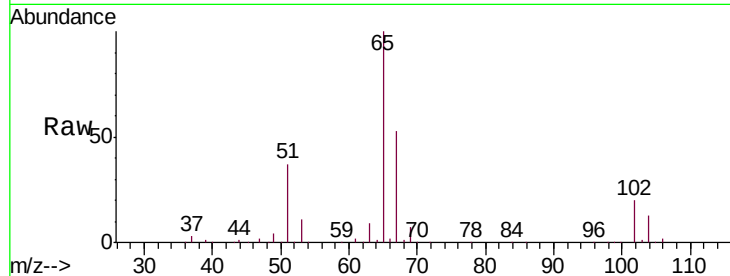




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.03 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN050199.D  
 Acq: 30 Jul 2018 20:06

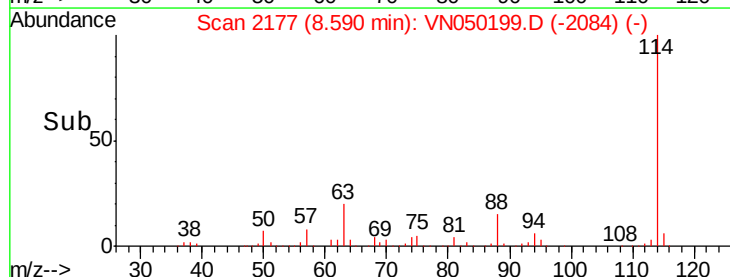
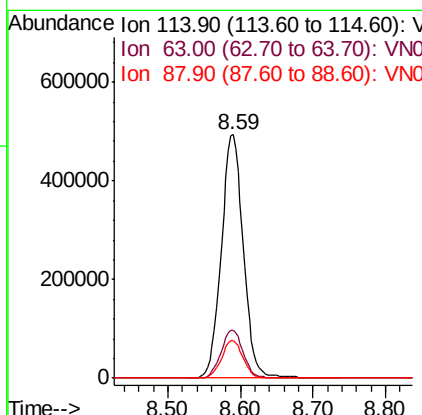
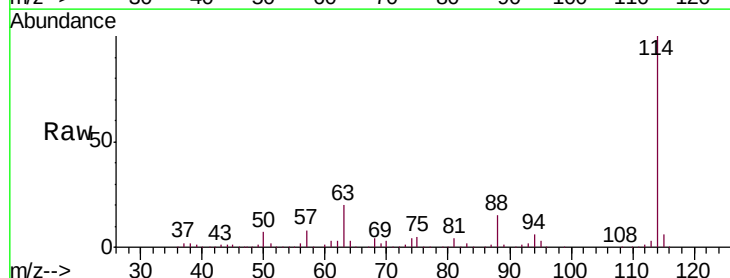
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 SOIL-1

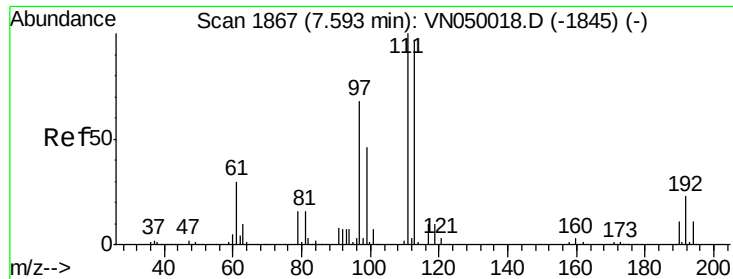
Tot Ion: 65 Resp: 447829  
 Ion Ratio Lower Upper  
 65 100  
 67 53.0 0.0 108.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050199.D  
 Acq: 30 Jul 2018 20:06

Tgt Ion: 114 Resp: 1036870  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 40.0  
 88 15.4 0.0 31.2

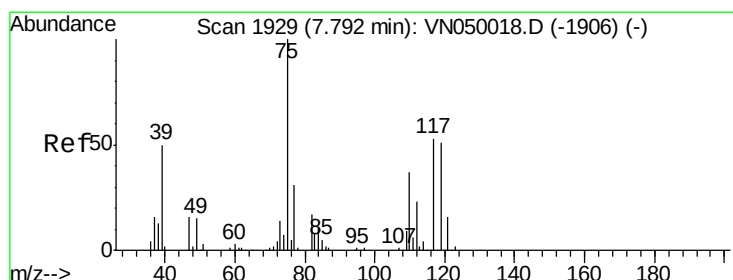
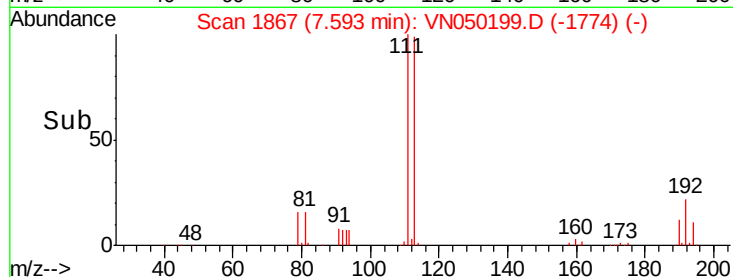
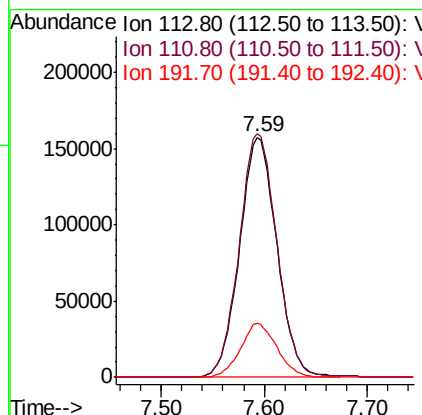
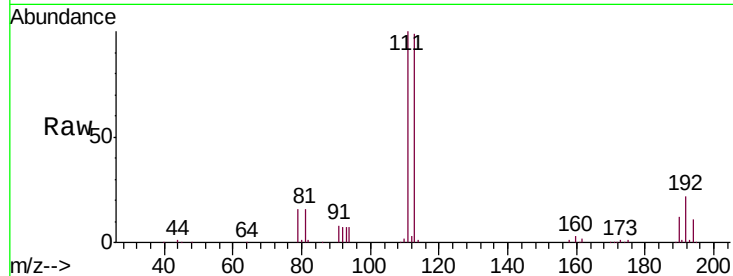




#35  
Dibromofluoromethane  
Concen: 46.73 ug/l  
RT: 7.59 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN050199.D  
Acq: 30 Jul 2018 20:06

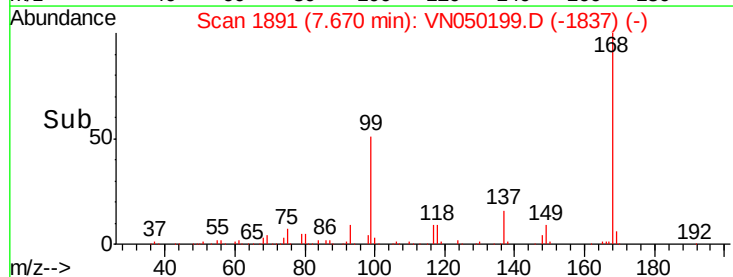
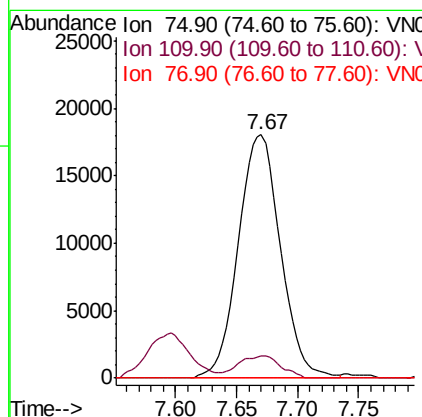
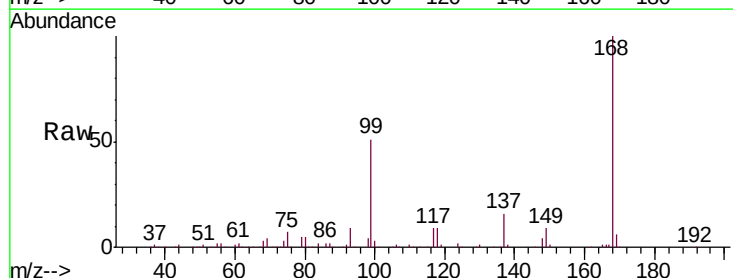
Instrument :  
MSVOA\_N  
ClientSampleId :  
SOIL-1

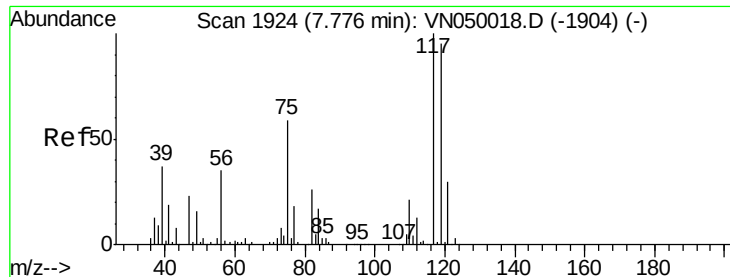
Tot Ion:113 Resp: 395641  
Ion Ratio Lower Upper  
113 100  
111 102.4 80.7 121.1  
192 21.9 17.8 26.6



#36  
1,1-Dichloropropene  
Concen: 3.69 ug/l  
RT: 7.67 min Scan# 1891  
Delta R.T. -0.13 min  
Lab File: VN050199.D  
Acq: 30 Jul 2018 20:06

Tgt Ion: 75 Resp: 43058  
Ion Ratio Lower Upper  
75 100  
110 9.1 18.4 55.2#  
77 0.0 25.3 37.9#

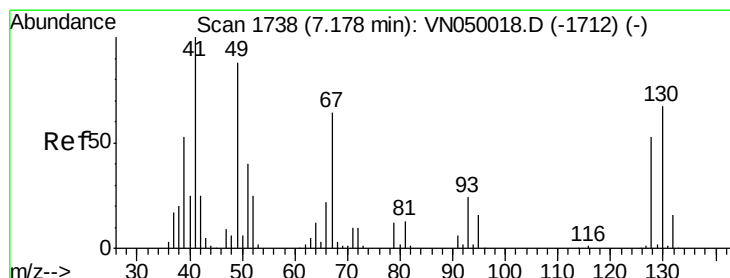
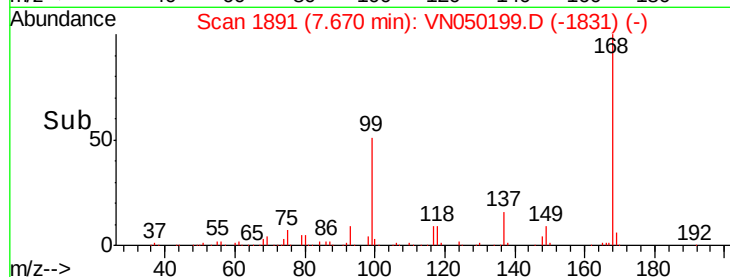
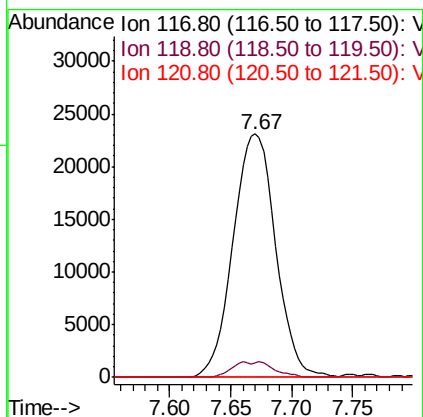
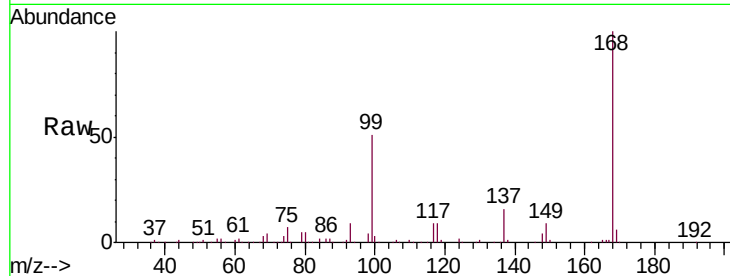




#38  
Carbon Tetrachloride  
Concen: 4.50 ug/l  
RT: 7.67 min Scan# 1891  
Delta R.T. -0.11 min  
Lab File: VN050199.D  
Acq: 30 Jul 2018 20:06

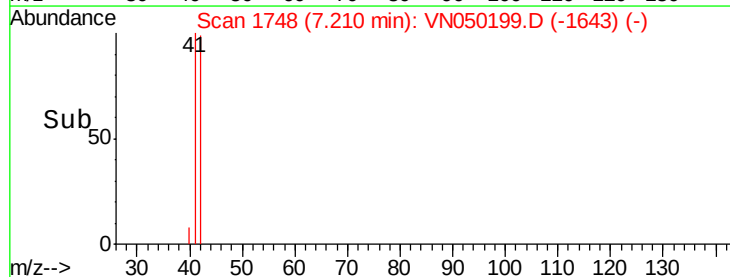
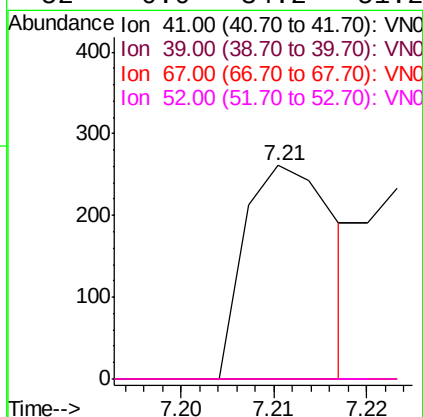
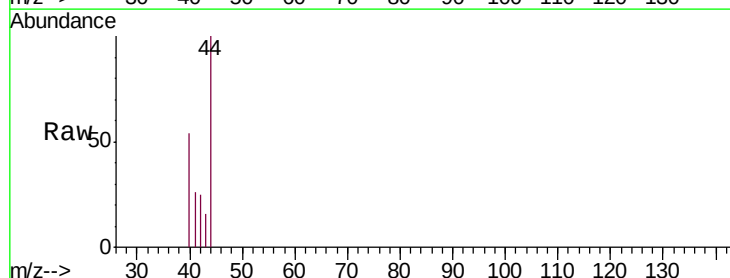
Instrument :  
MSVOA\_N  
ClientSampled :  
SOIL-1

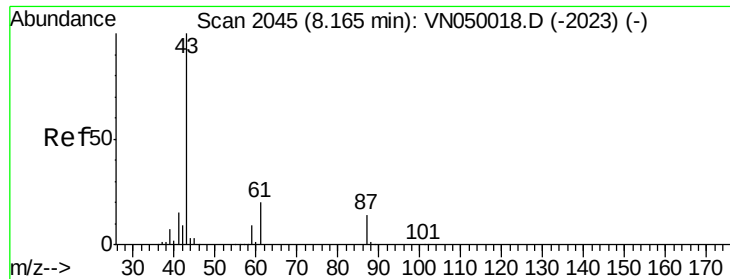
Tot Ion:117 Resp: 55725  
Ion Ratio Lower Upper  
117 100  
119 5.8 77.4 116.0#  
121 0.0 23.9 35.9#



#41  
Methacrylonitrile  
Concen: 2.79 ug/l  
RT: 7.21 min Scan# 1748  
Delta R.T. 0.04 min  
Lab File: VN050199.D  
Acq: 30 Jul 2018 20:06

Tgt Ion: 41 Resp: 175  
Ion Ratio Lower Upper  
41 100  
39 36.0 55.8 83.6#  
67 0.0 84.3 126.5#  
52 0.0 34.2 51.2#





#43

Isopropyl Acetate

Concen: 18.88 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050199.D

Acq: 30 Jul 2018 20:06

Instrument :

MSVOA\_N

ClientSampleId :

SOIL-1

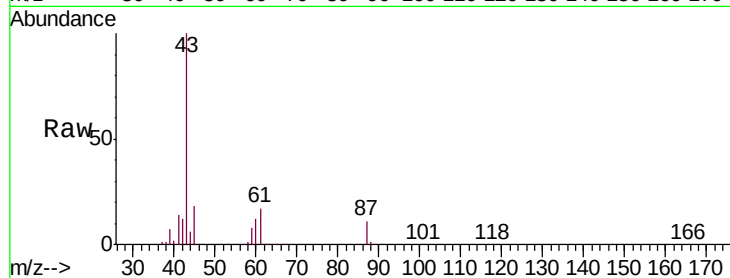
Tot Ion: 43 Resp: 300722

Ion Ratio Lower Upper

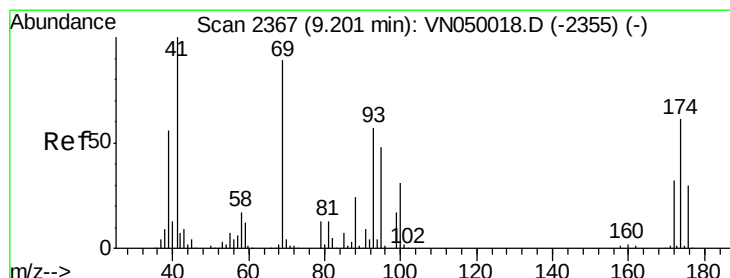
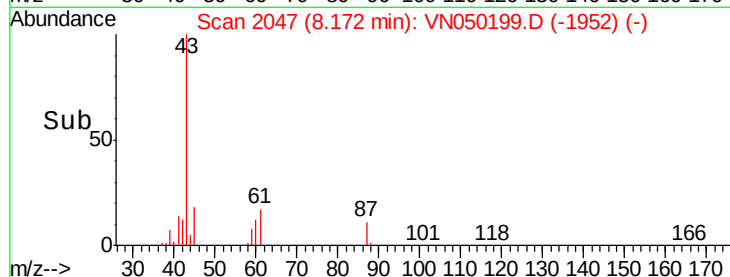
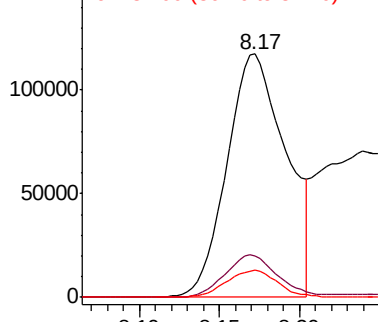
43 100

61 15.5 15.8 23.6#

87 9.7 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VNC  
Ion 61.00 (60.70 to 61.70): VNC  
Ion 87.00 (86.70 to 87.70): VNC



#48

Methyl methacrylate

Concen: 1.26 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN050199.D

Acq: 30 Jul 2018 20:06

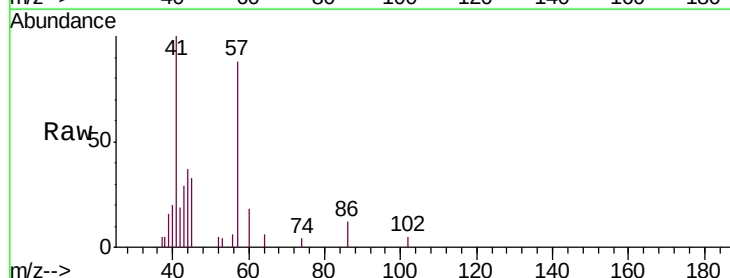
Tgt Ion: 41 Resp: 8812

Ion Ratio Lower Upper

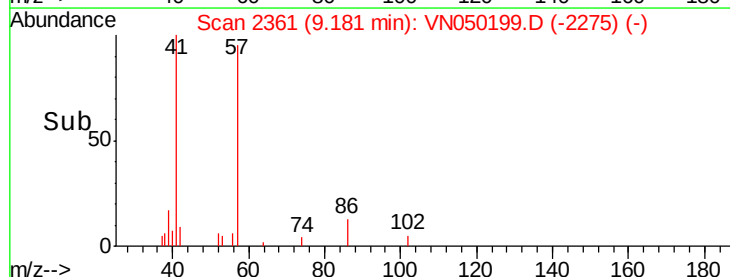
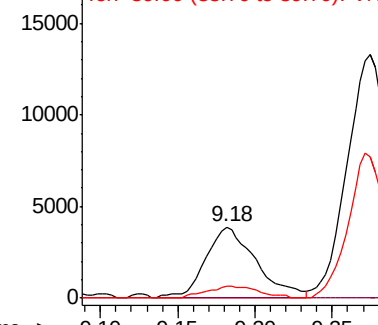
41 100

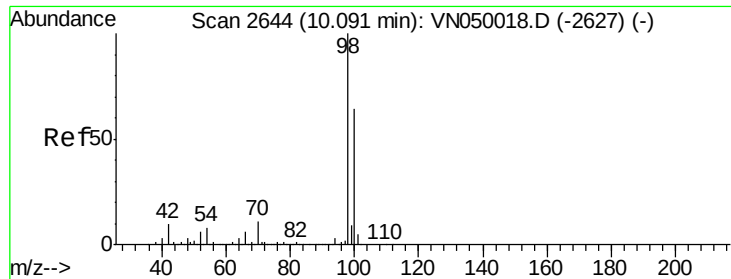
69 0.0 70.6 105.8#

39 17.3 43.9 65.9#



Abundance Ion 41.00 (40.70 to 41.70): VNC  
Ion 69.00 (68.70 to 69.70): VNC  
Ion 39.00 (38.70 to 39.70): VNC

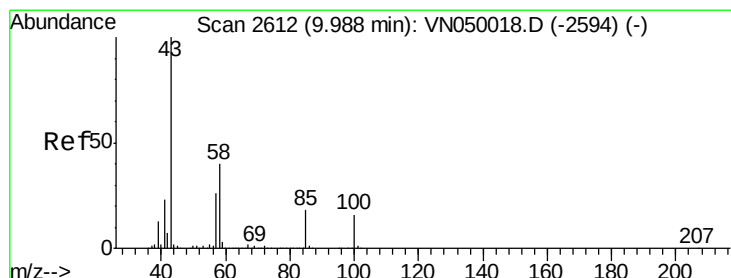
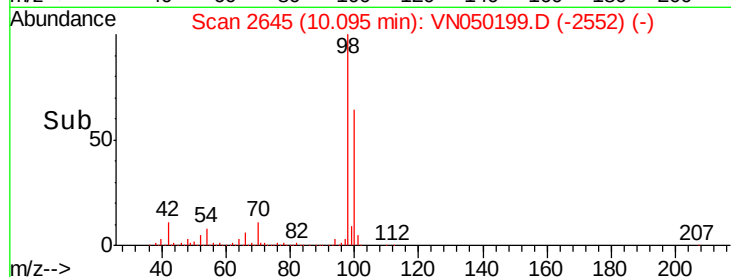
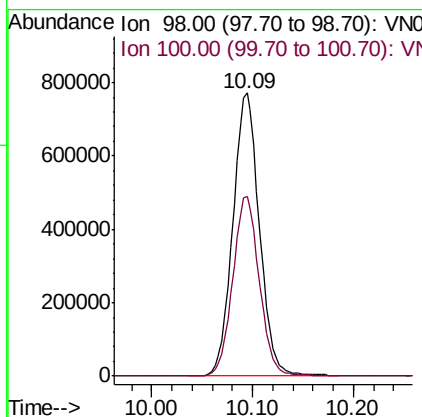
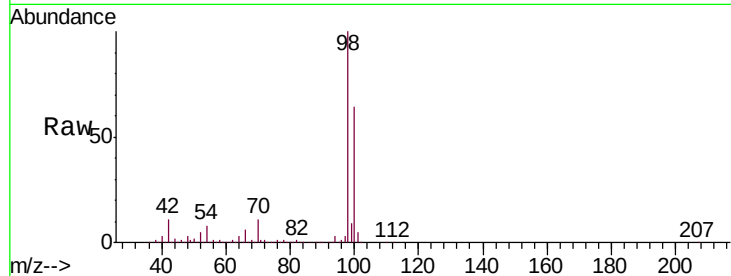




#50  
Toluene-d8  
Concen: 45.38 ug/l  
RT: 10.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VN050199.D  
Acq: 30 Jul 2018 20:06

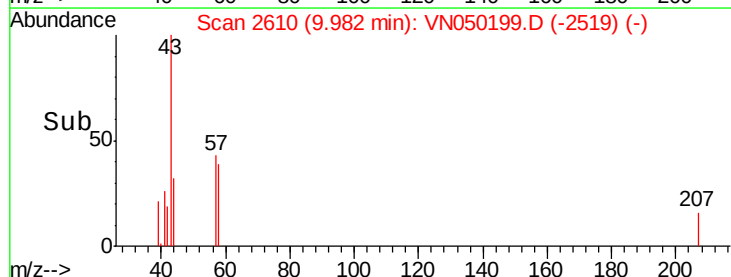
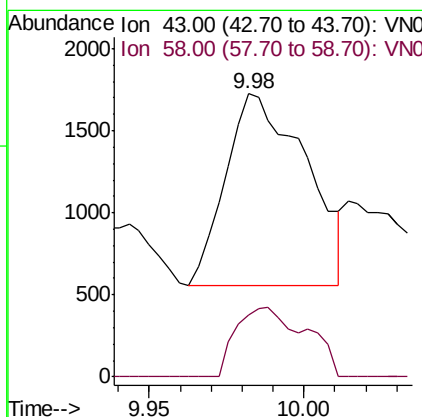
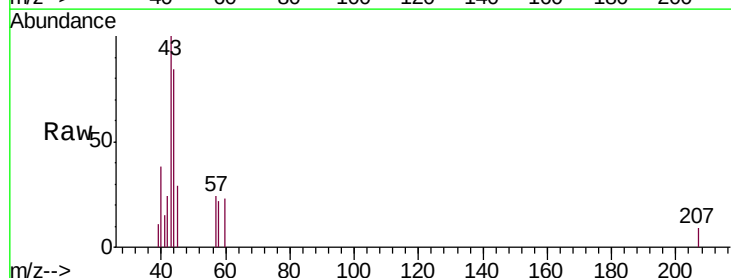
Instrument :  
MSVOA\_N  
ClientSampled :  
SOIL-1

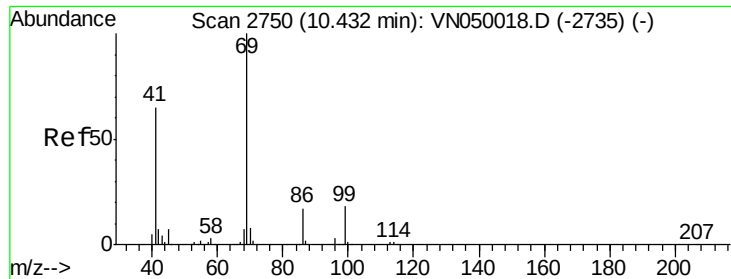
Tot Ion: 98 Resp: 1412260  
Ion Ratio Lower Upper  
98 100  
100 63.7 50.7 76.1



#51  
4-Methyl-2-Pentanone  
Concen: 0.26 ug/l  
RT: 9.98 min Scan# 2610  
Delta R.T. -0.01 min  
Lab File: VN050199.D  
Acq: 30 Jul 2018 20:06

Tgt Ion: 43 Resp: 2121  
Ion Ratio Lower Upper  
43 100  
58 31.2 31.9 47.9#





#56

Ethyl methacrylate

Concen: 2.05 ug/l

RT: 10.29 min Scan# 2705

Delta R.T. -0.14 min

Lab File: VN050199.D

Acq: 30 Jul 2018 20:06

Instrument :

MSVOA\_N

ClientSampled :

SOIL-1

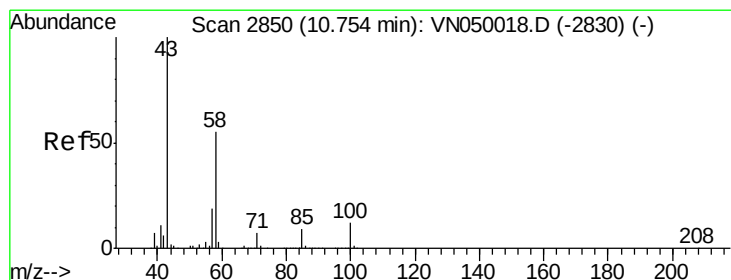
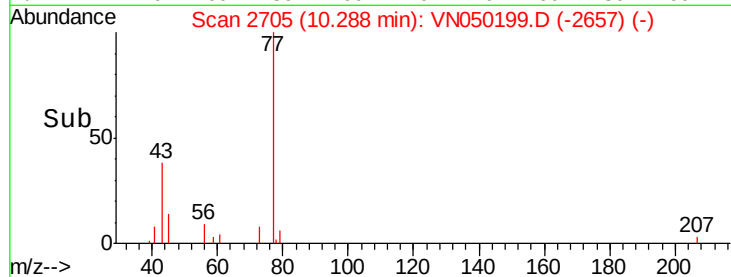
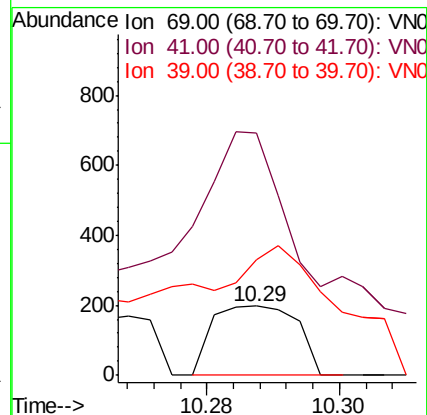
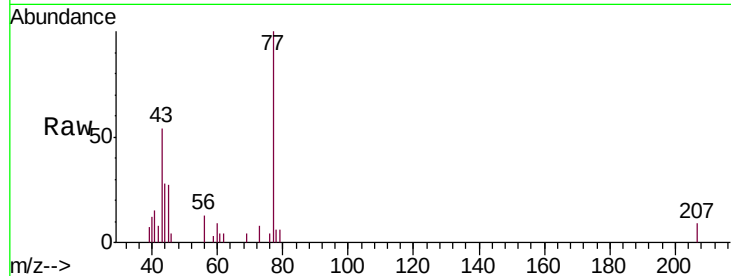
Tot Ion: 69 Resp: 175

Ion Ratio Lower Upper

69 100

41 554.9 51.0 76.4#

39 223.4 26.6 40.0#



#59

2-Hexanone

Concen: 8.09 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050199.D

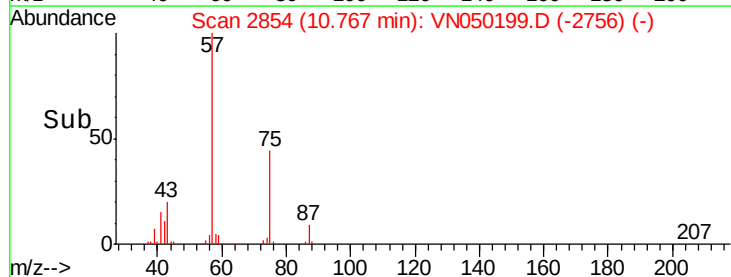
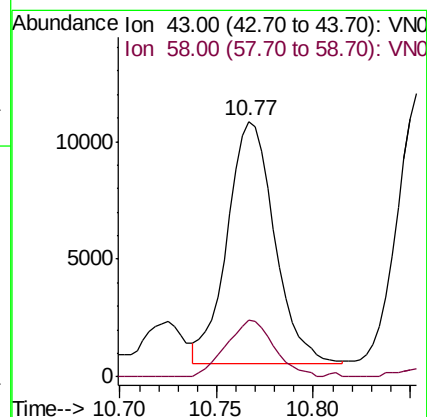
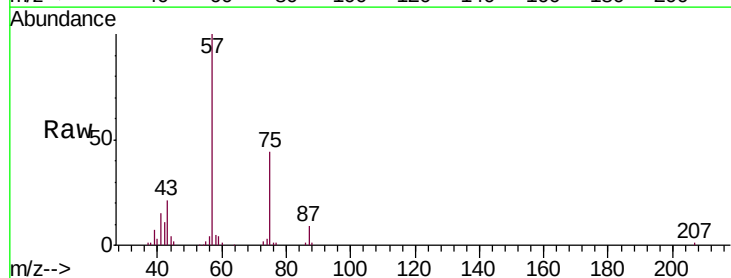
Acq: 30 Jul 2018 20:06

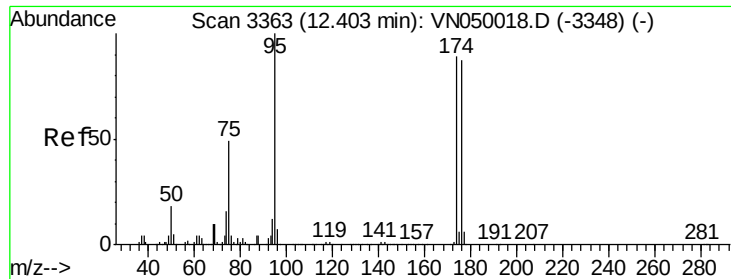
Tgt Ion: 43 Resp: 17540

Ion Ratio Lower Upper

43 100

58 23.6 27.6 82.7#

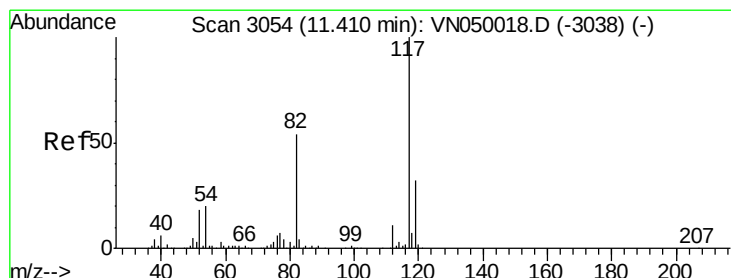
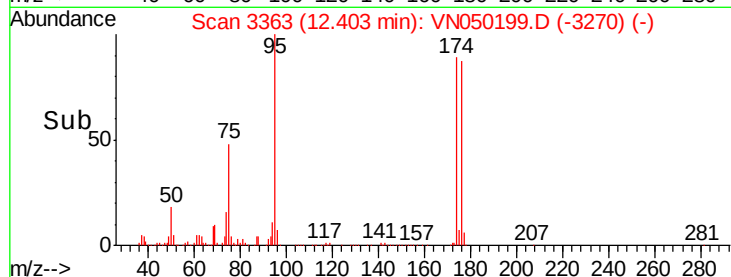
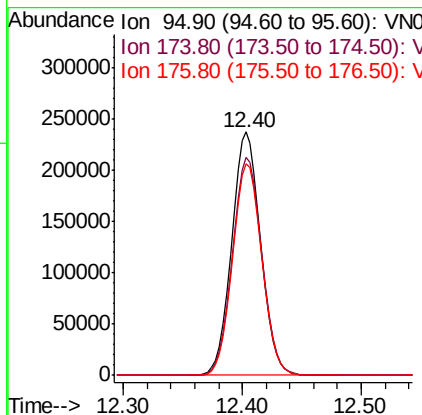
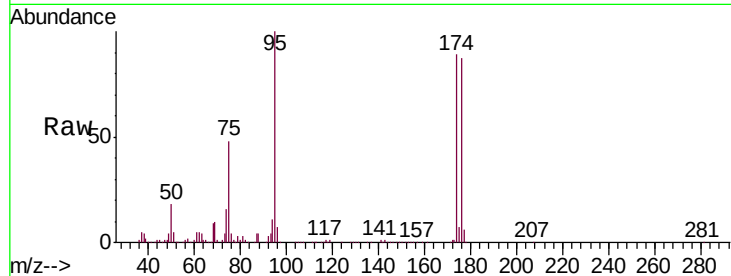




#62  
4-Bromofluorobenzene  
Concen: 38.90 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN050199.D  
Acq: 30 Jul 2018 20:06

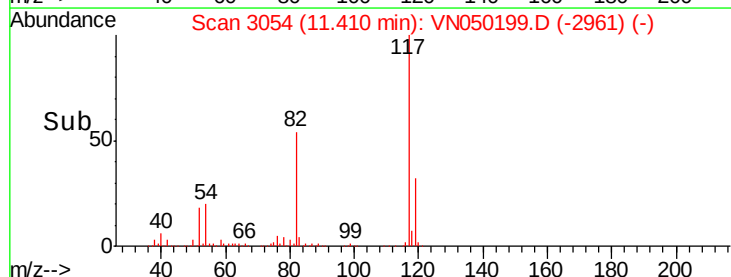
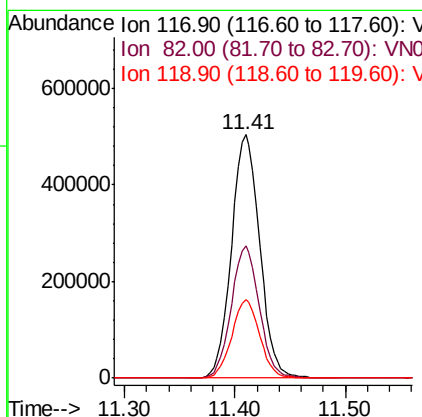
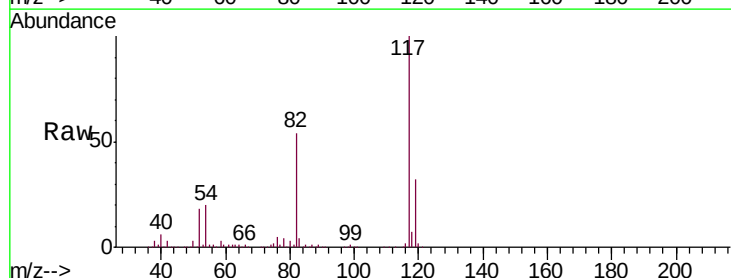
Instrument :  
MSVOA\_N  
ClientSampleId :  
SOIL-1

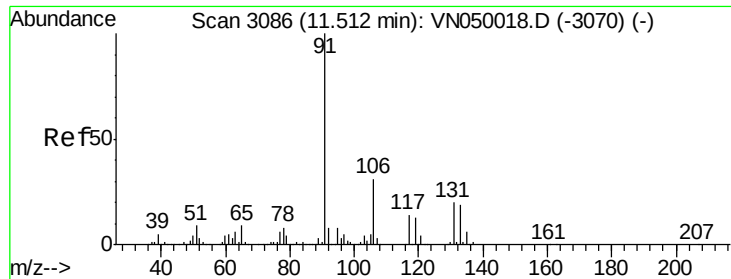
Tot Ion: 95 Resp: 398650  
Ion Ratio Lower Upper  
95 100  
174 91.5 0.0 178.2  
176 88.3 0.0 173.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050199.D  
Acq: 30 Jul 2018 20:06

Tgt Ion: 117 Resp: 896019  
Ion Ratio Lower Upper  
117 100  
82 54.2 43.7 65.5  
119 32.2 26.1 39.1





#67

Ethyl Benzene

Concen: 0.76 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050199.D

Acq: 30 Jul 2018 20:06

Instrument :

MSVOA\_N

ClientSampled :

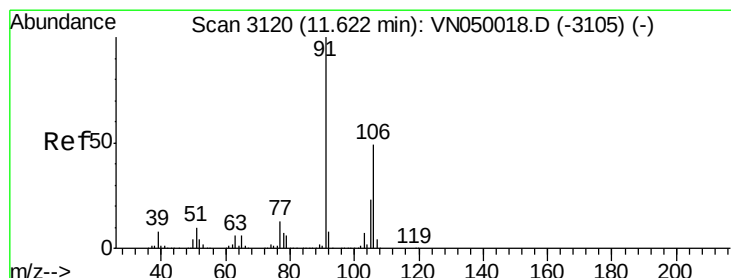
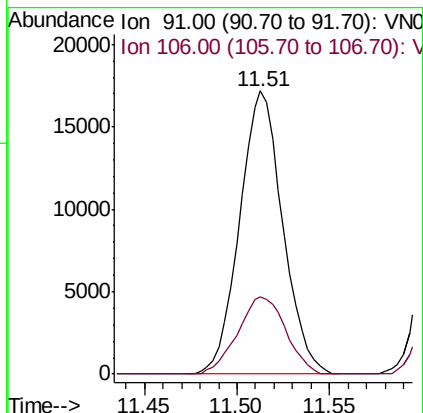
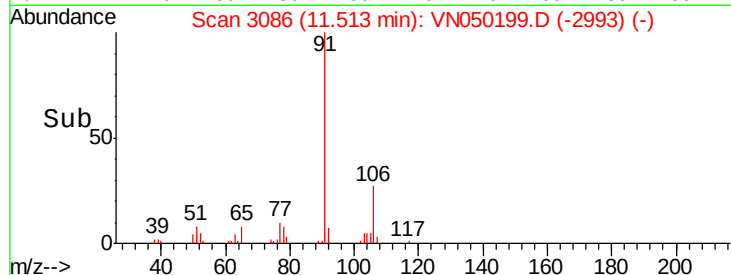
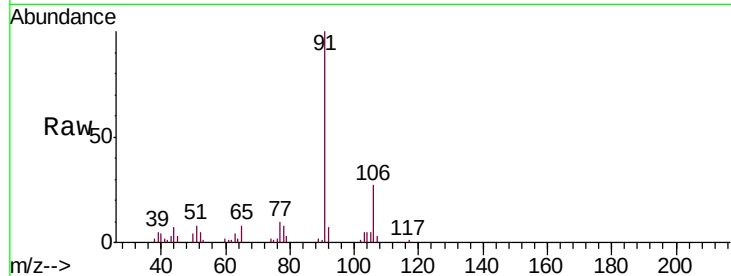
SOIL-1

Tot Ion: 91 Resp: 27699

Ion Ratio Lower Upper

91 100

106 27.5 25.0 37.4



#68

m/p-Xylenes

Concen: 2.10 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050199.D

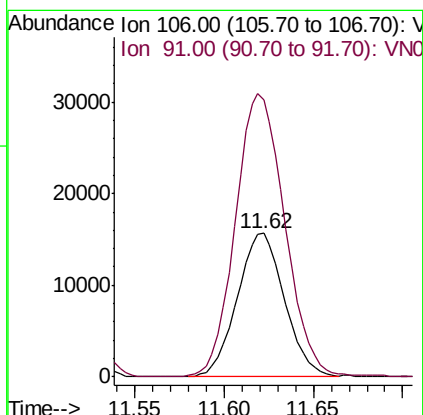
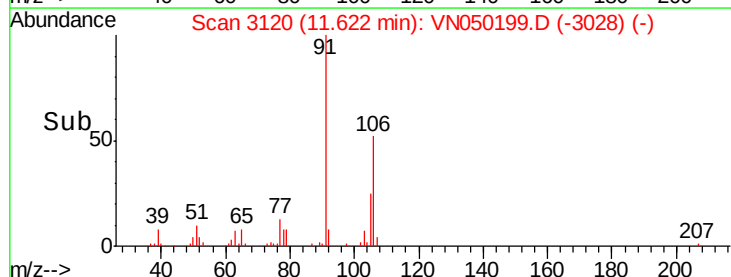
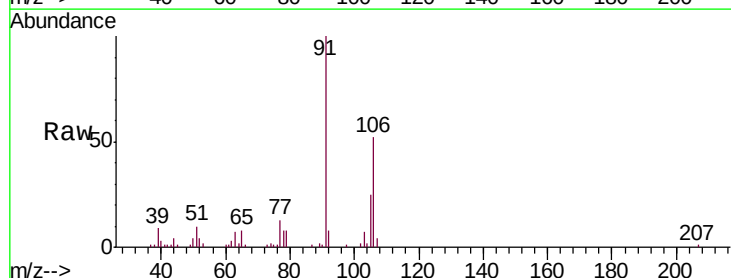
Acq: 30 Jul 2018 20:06

Tgt Ion: 106 Resp: 28904

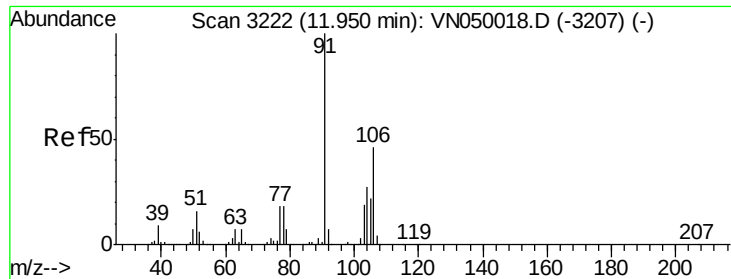
Ion Ratio Lower Upper

106 100

91 206.2 162.2 243.2



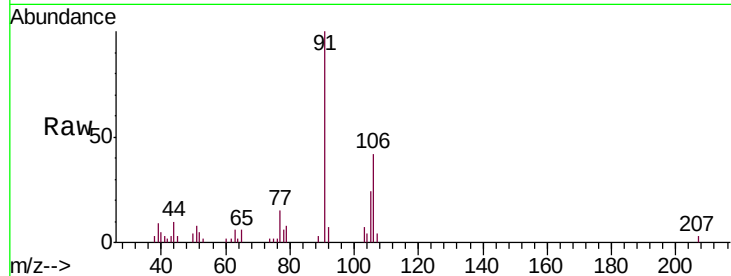




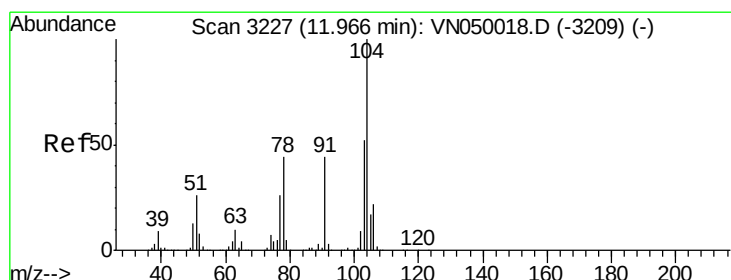
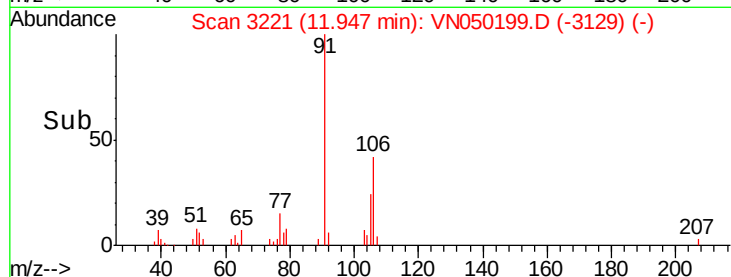
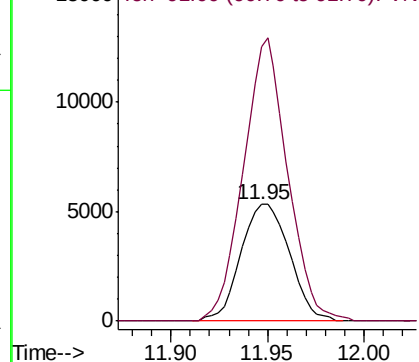
#69  
o-Xylene  
Concen: 0.71 ug/l  
RT: 11.95 min Scan# 3221  
Delta R.T. -0.00 min  
Lab File: VN050199.D  
Acq: 30 Jul 2018 20:06

Instrument :  
MSVOA\_N  
ClientSampled :  
SOIL-1

Tot Ion:106 Resp: 9348  
Ion Ratio Lower Upper  
106 100  
91 219.7 107.7 323.1

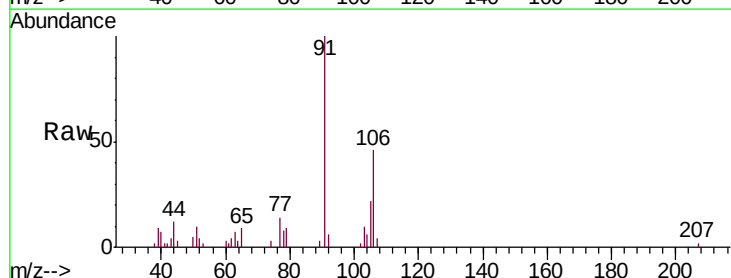


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

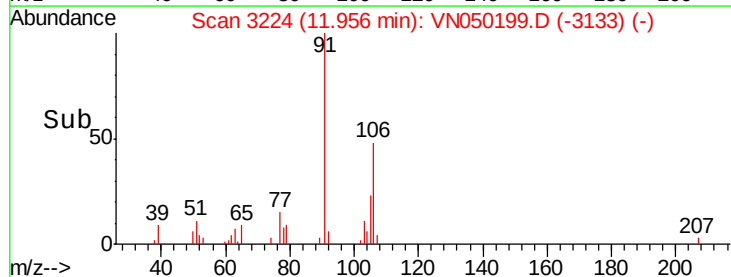
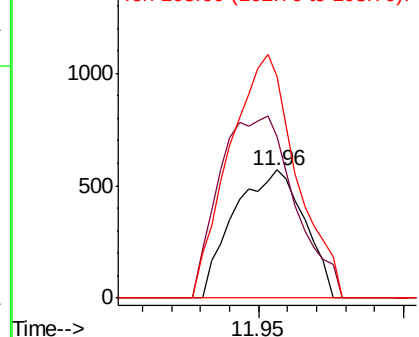


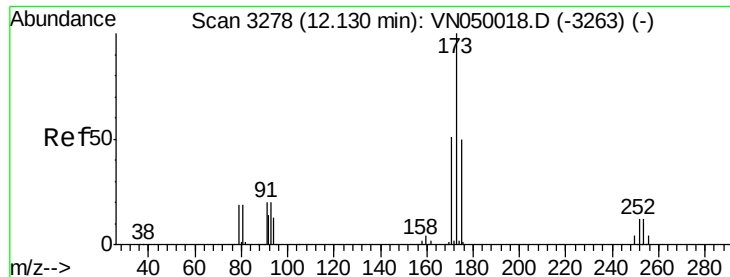
#70  
Styrene  
Concen: 0.96 ug/l  
RT: 11.96 min Scan# 3224  
Delta R.T. -0.01 min  
Lab File: VN050199.D  
Acq: 30 Jul 2018 20:06

Tgt Ion:104 Resp: 963  
Ion Ratio Lower Upper  
104 100  
78 151.9 39.3 58.9#  
103 180.9 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VN  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.60 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050199.D

Acq: 30 Jul 2018 20:06

Instrument :

MSVOA\_N

ClientSampleId :

SOIL-1

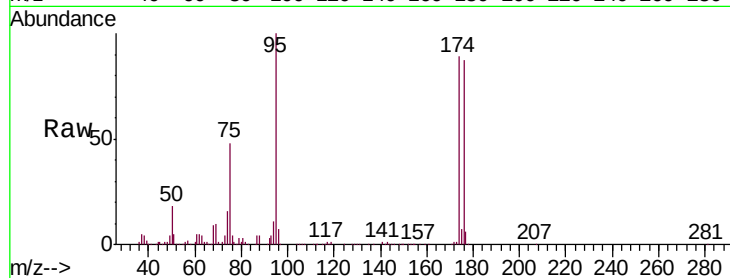
Tot Ion:173 Resp: 3770

Ion Ratio Lower Upper

173 100

175 644.0 24.1 72.2#

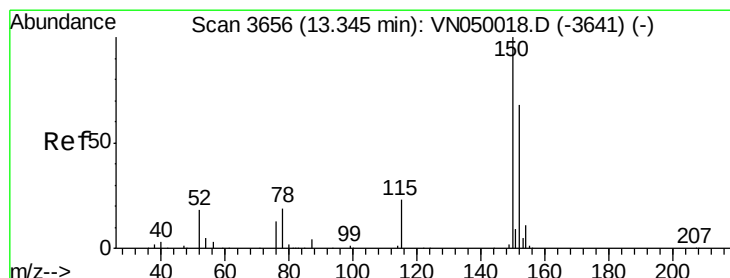
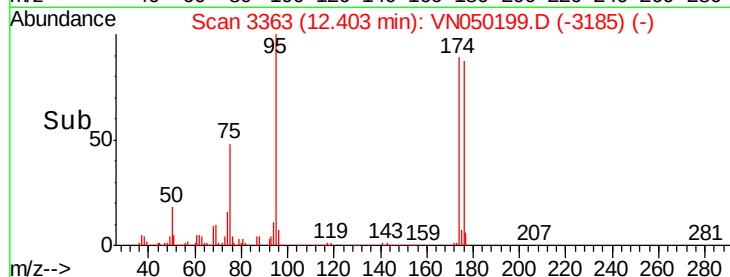
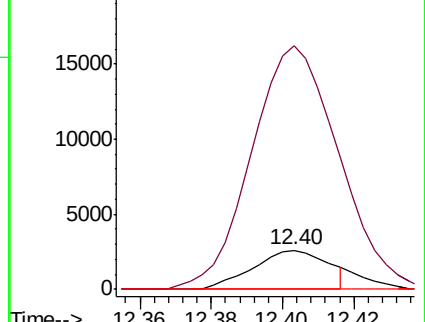
254 0.0 0.2 0.2#



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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050199.D

Acq: 30 Jul 2018 20:06

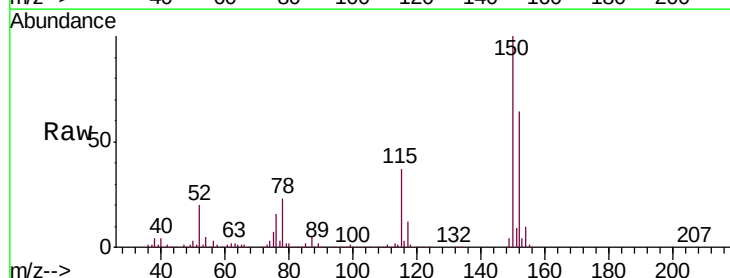
Tgt Ion:152 Resp: 340662

Ion Ratio Lower Upper

152 100

115 56.4 27.8 83.3

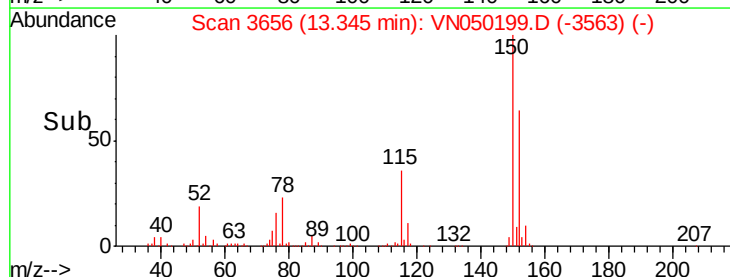
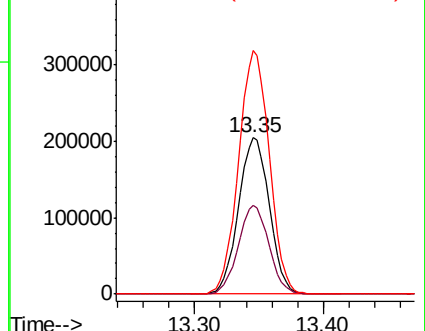
150 154.9 0.0 348.6

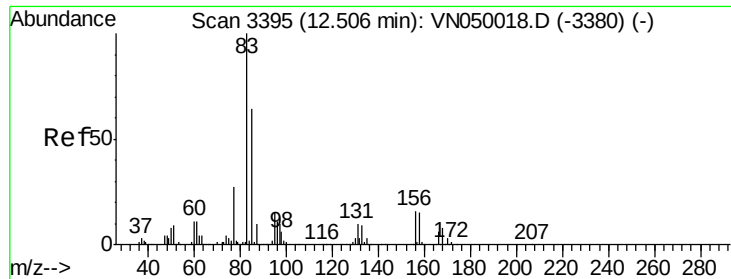


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.43 min Scan# 3371

Delta R.T. -0.08 min

Lab File: VN050199.D

Acq: 30 Jul 2018 20:06

Instrument :

MSVOA\_N

ClientSampleId :

SOIL-1

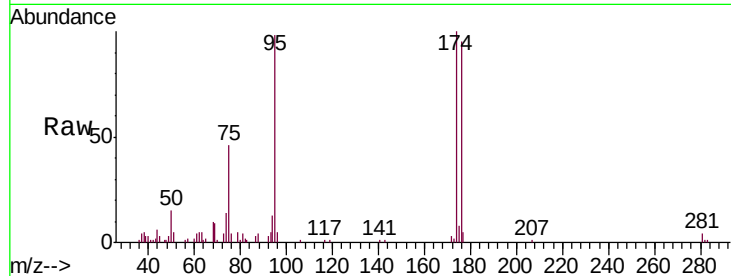
Tot Ion: 83 Resp: 30

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

85 0.0 32.3 96.8#

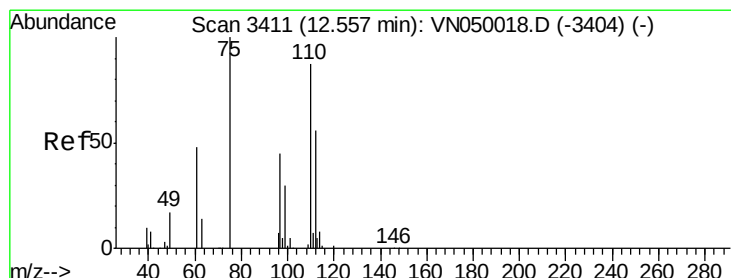
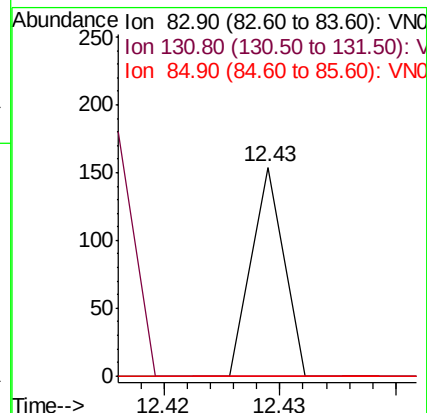
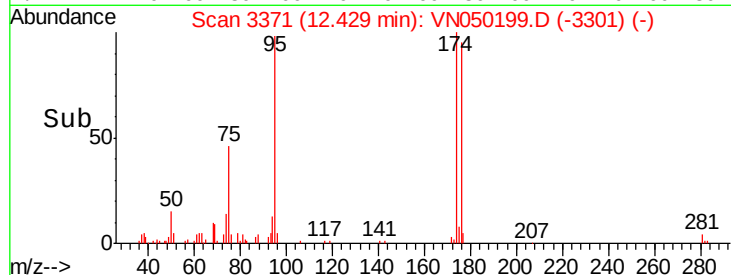


Abundance Ion 82.90 (82.60 to 83.60): VN050018.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN050018.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN050018.D (-3380) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 31.07 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050199.D

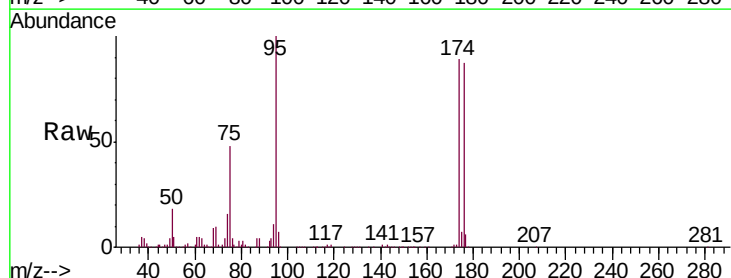
Acq: 30 Jul 2018 20:06

Tgt Ion: 75 Resp: 196705

Ion Ratio Lower Upper

75 100

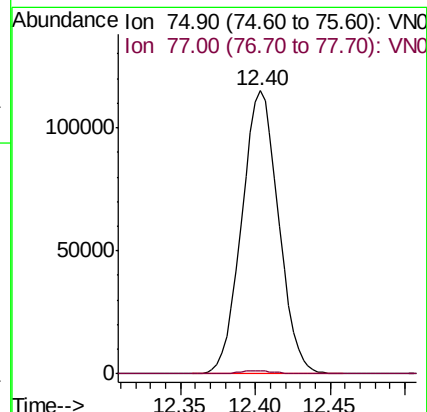
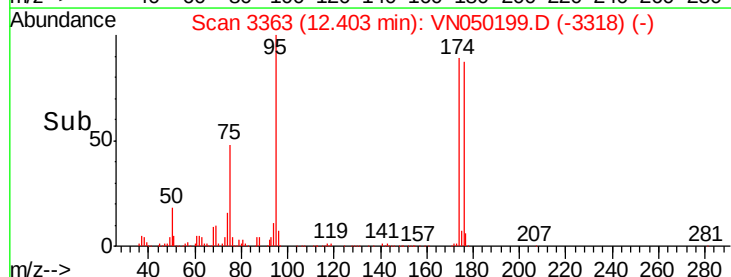
77 1.2 0.0 0.0#

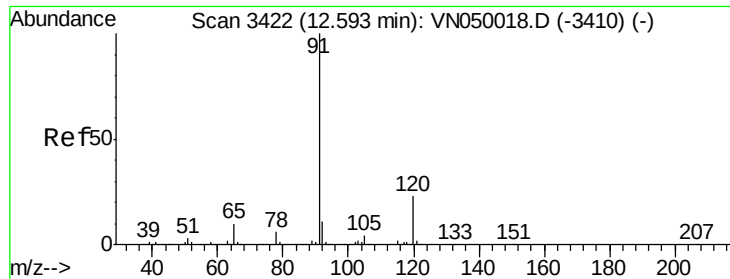


Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3404) (-)

Ion 77.00 (76.70 to 77.70): VN050018.D (-3404) (-)

Time-->





#78

n-propylbenzene

Concen: 0.49 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050199.D

Acq: 30 Jul 2018 20:06

Instrument :

MSVOA\_N

ClientSampled :

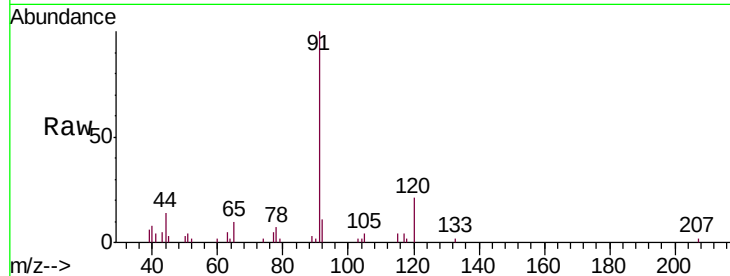
SOIL-1

Tot Ion: 91 Resp: 14510

Ion Ratio Lower Upper

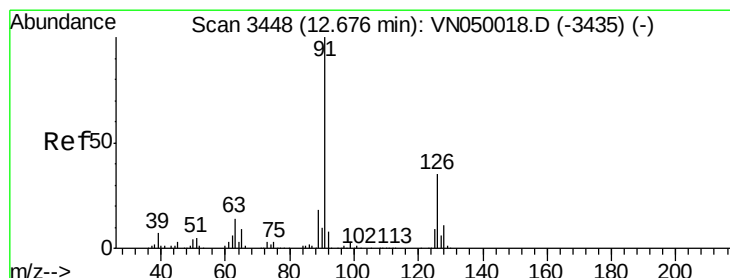
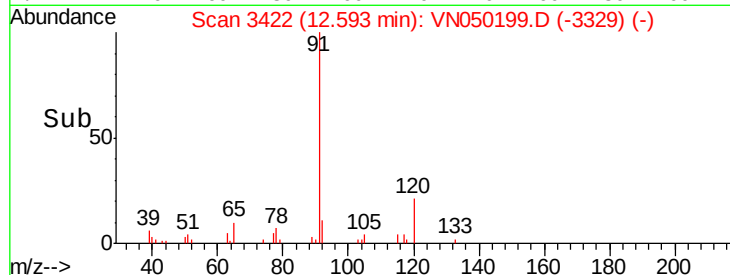
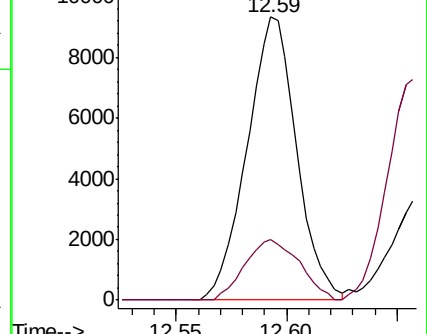
91 100

120 23.4 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.27 ug/l

RT: 12.66 min Scan# 3443

Delta R.T. -0.02 min

Lab File: VN050199.D

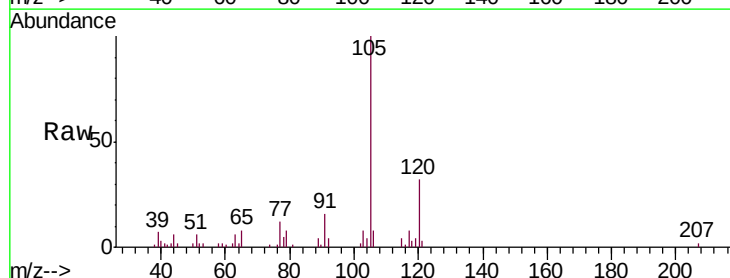
Acq: 30 Jul 2018 20:06

Tgt Ion: 91 Resp: 5028

Ion Ratio Lower Upper

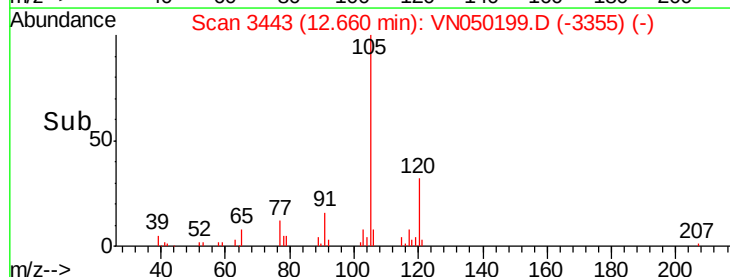
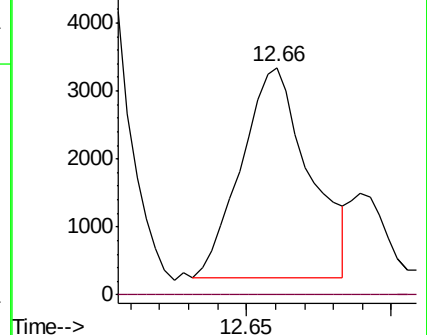
91 100

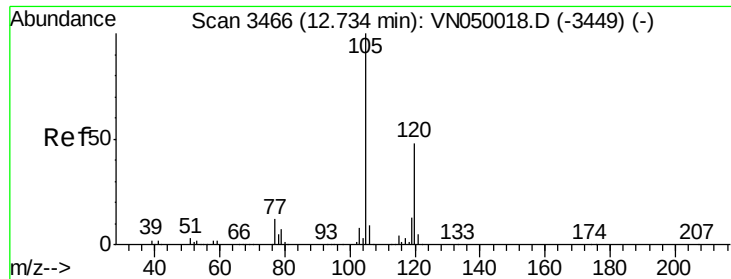
126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

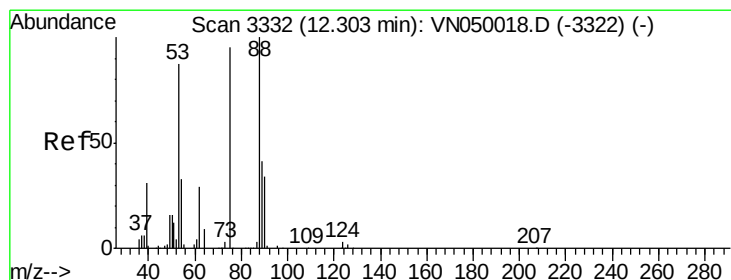
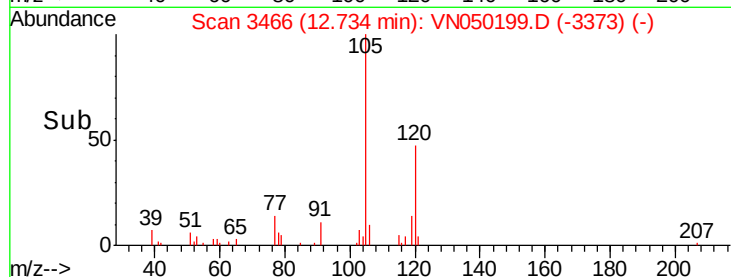
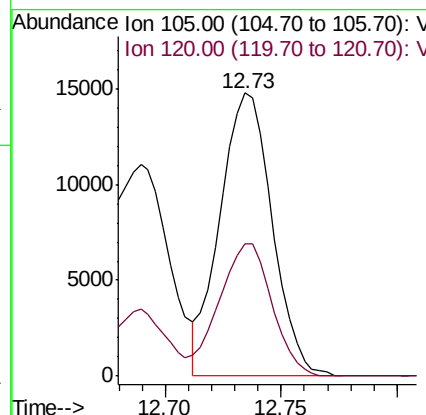
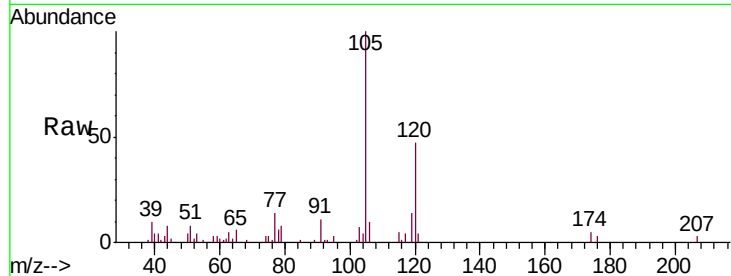




#80  
 1,3,5-Trimethylbenzene  
 Concen: 1.11 ug/l  
 RT: 12.73 min Scan# 3466  
 Delta R.T. 0.00 min  
 Lab File: VN050199.D  
 Acq: 30 Jul 2018 20:06

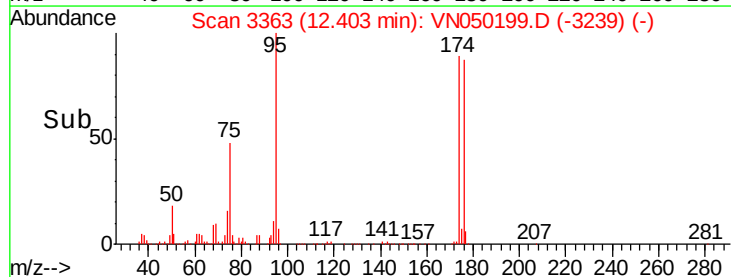
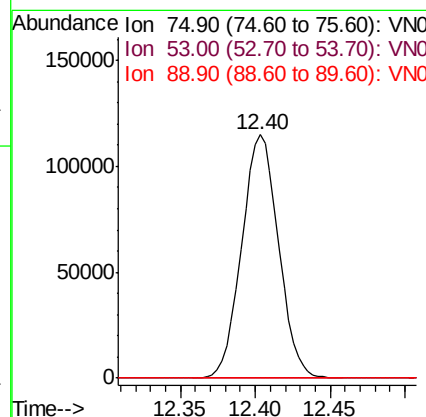
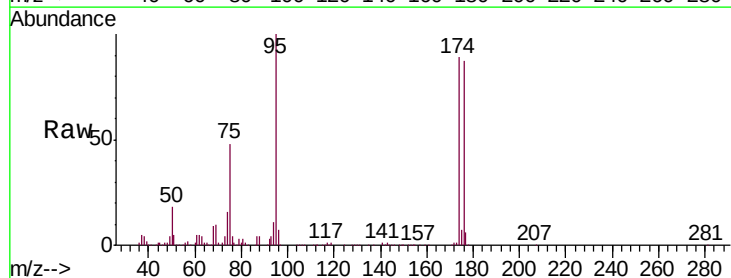
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 SOIL-1

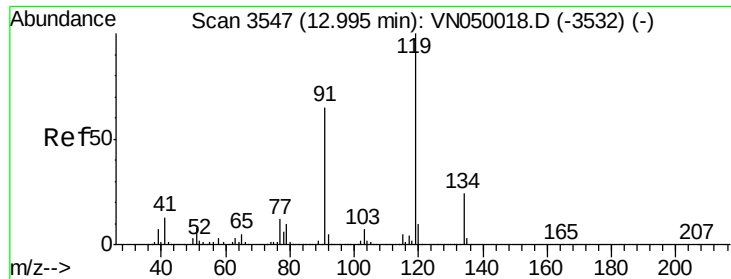
Tot Ion:105 Resp: 23088  
 Ion Ratio Lower Upper  
 105 100  
 120 47.7 24.4 73.2



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 98.55 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. 0.10 min  
 Lab File: VN050199.D  
 Acq: 30 Jul 2018 20:06

Tgt Ion: 75 Resp: 196705  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 73.5 110.3#  
 89 0.0 36.0 54.0#

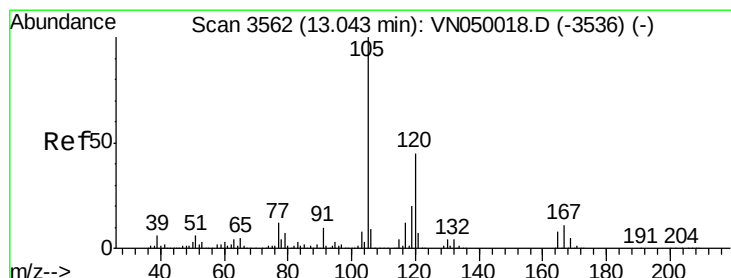
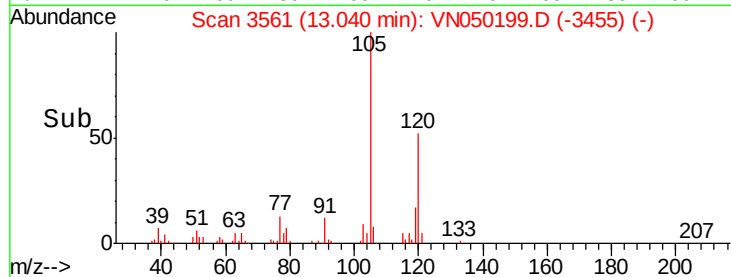
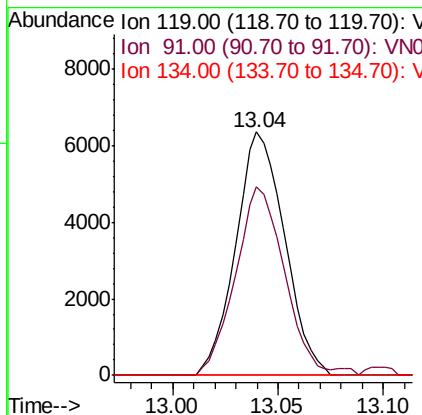
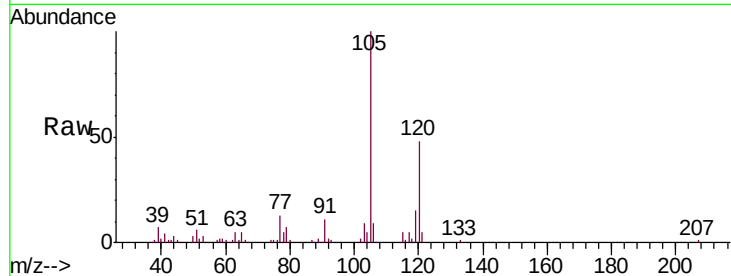




#83  
 tert-Butylbenzene  
 Concen: 0.56 ug/l  
 RT: 13.04 min Scan# 3561  
 Delta R.T. 0.04 min  
 Lab File: VN050199.D  
 Acq: 30 Jul 2018 20:06

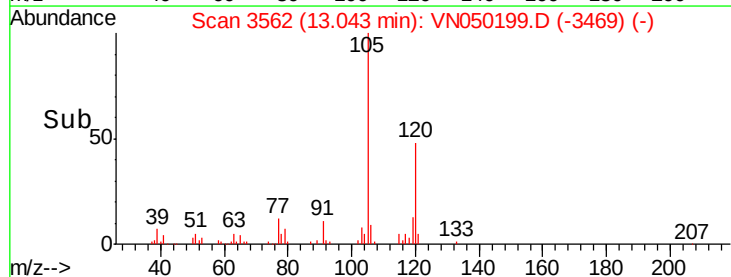
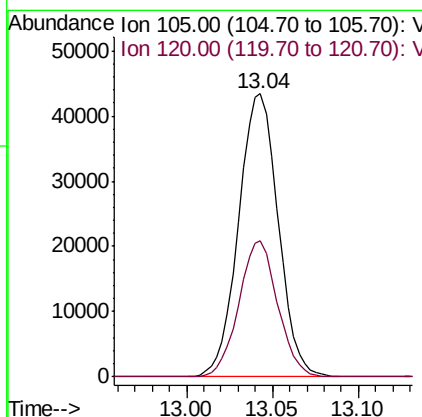
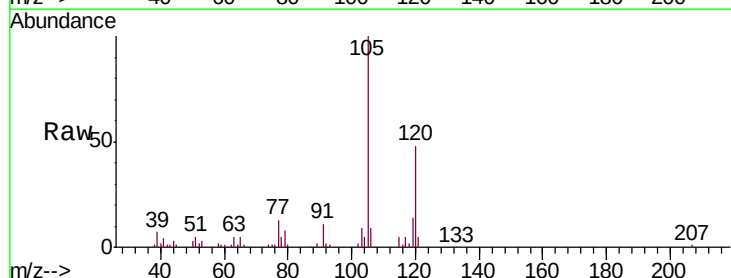
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 SOIL-1

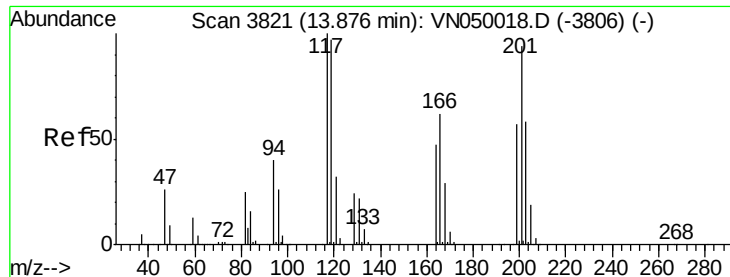
Tot Ion:119 Resp: 10232  
 Ion Ratio Lower Upper  
 119 100  
 91 77.2 32.1 96.3  
 134 0.0 13.2 39.5#



#84  
 1,2,4-Trimethylbenzene  
 Concen: 3.31 ug/l  
 RT: 13.04 min Scan# 3562  
 Delta R.T. 0.00 min  
 Lab File: VN050199.D  
 Acq: 30 Jul 2018 20:06

Tgt Ion:105 Resp: 69438  
 Ion Ratio Lower Upper  
 105 100  
 120 46.9 22.9 68.7





#90

Hexachloroethane

Concen: 0.42 ua/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN050199.D

Acq: 30 Jul 2018 20:06

Instrument :

MSVOA\_N

ClientSampled :

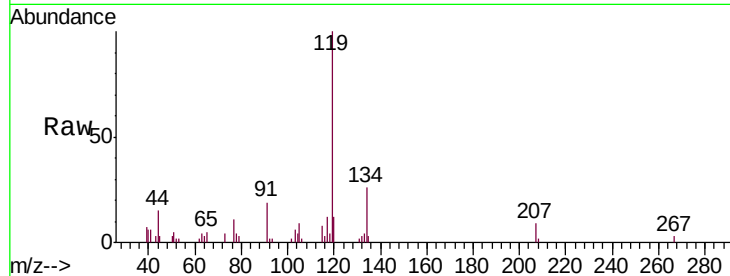
SOIL-1

Tot Ion:117 Resp: 1905

Ion Ratio Lower Upper

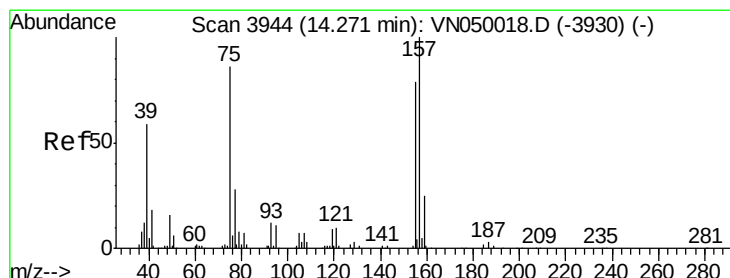
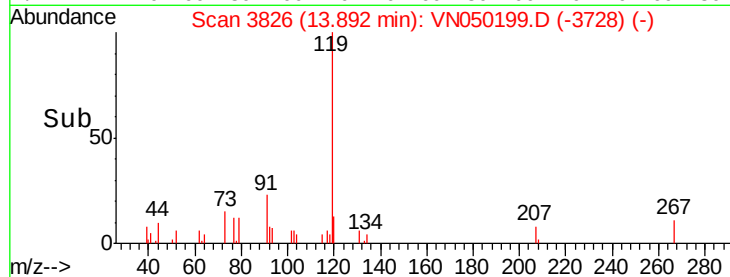
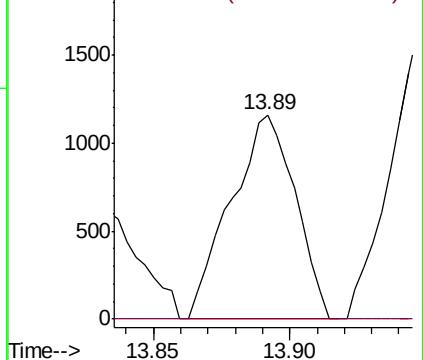
117 100

201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3939

Delta R.T. -0.02 min

Lab File: VN050199.D

Acq: 30 Jul 2018 20:06

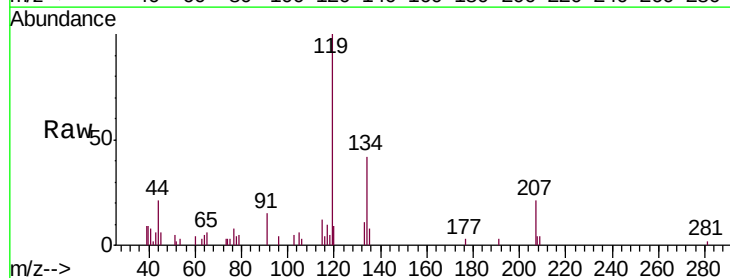
Tgt Ion: 75 Resp: 31

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

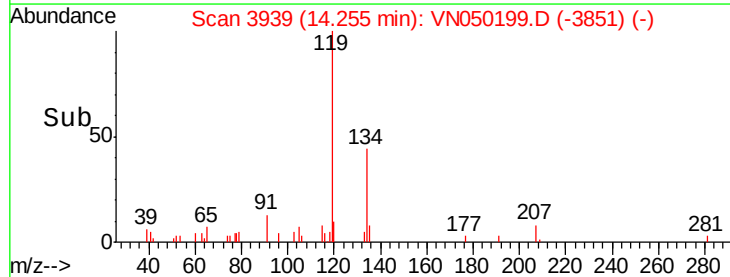
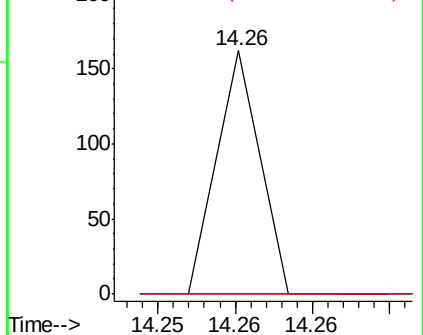
157 0.0 57.2 171.6#

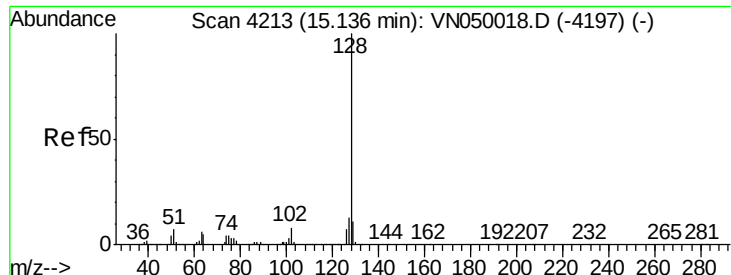


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

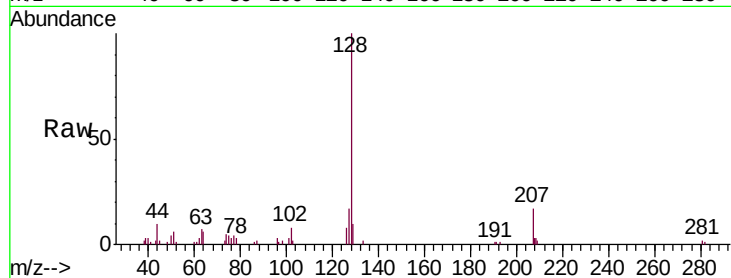




#95  
Naphthalene  
Concen: 6.07 ug/l  
RT: 15.14 min Scan# 4213  
Delta R.T. 0.00 min  
Lab File: VN050199.D  
Acq: 30 Jul 2018 20:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
SOIL-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.8  | 10.4  | 15.6  |
| 129     | 10.5  | 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

