

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\  
 Data File : VN050964.D  
 Acq On : 30 Aug 2018 15:51  
 Operator : MD\SY  
 Sample : J4699-03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CG-SOIL-1

Quant Time: Aug 31 01:37:05 2018  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 22 05:38:12 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 594367   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 986872   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 835617   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 292360   | 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   | 391382   | 54.70 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.40% |          |
| 35) Dibromofluoromethane    | 7.60  | 113  | 377219   | 48.05 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.10%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1322858  | 45.07 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.14%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 360658   | 36.97 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 73.94%  |          |

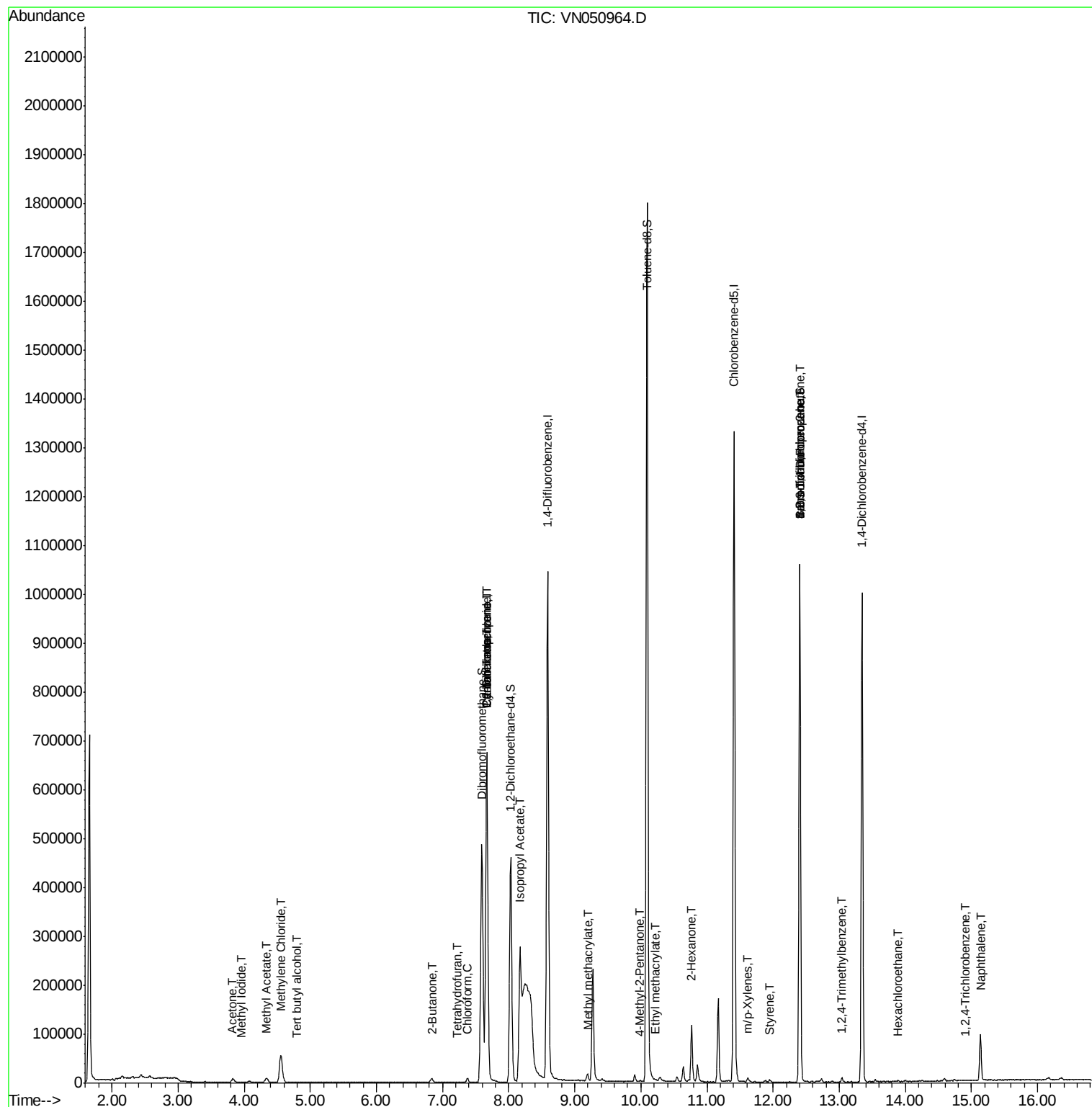
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 5) Bromomethane                | 2.57  | 94   | 2200     | Below Cal | #      | 76     |
| 10) Methyl Iodide              | 3.94  | 142  | 183      | 6.37      | ug/l # | 43     |
| 11) Tert butyl alcohol         | 4.79  | 59   | 354      | 0.78      | ug/l # | 72     |
| 16) Acetone                    | 3.82  | 43   | 14474    | 1.52      | ug/l   | 99     |
| 18) Methyl Acetate             | 4.34  | 43   | 18878    | 2.79      | ug/l   | 95     |
| 20) Methylene Chloride         | 4.55  | 84   | 44604    | 5.53      | ug/l   | 97     |
| 25) 2-Butanone                 | 6.84  | 43   | 1537     | 0.53      | ug/l # | 82     |
| 29) Tetrahydrofuran            | 7.22  | 42   | 653      | 0.39      | ug/l # | 71     |
| 30) Chloroform                 | 7.38  | 83   | 9219     | 0.70      | ug/l   | 91     |
| 31) Cyclohexane                | 7.66  | 56   | 10267    | 1.30      | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 39026    | 3.35      | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 52155    | 4.43      | ug/l # | 17     |
| 43) Isopropyl Acetate          | 8.17  | 43   | 341845   | 29.72     | ug/l # | 89     |
| 48) Methyl methacrylate        | 9.18  | 41   | 7838     | 1.34      | ug/l # | 20     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1642     | 0.24      | ug/l   | 93     |
| 56) Ethyl methacrylate         | 10.22 | 69   | 2717     | 2.61      | ug/l # | 81     |
| 59) 2-Hexanone                 | 10.77 | 43   | 15536    | 3.40      | ug/l # | 58     |
| 68) m/p-Xylenes                | 11.62 | 106  | 2703     | 0.20      | ug/l   | 94     |
| 70) Styrene                    | 11.96 | 104  | 65       | 1.27      | ug/l # | 1      |
| 71) Bromoform                  | 12.41 | 173  | 2900     | 0.53      | ug/l # | 1      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.41 | 83   | 142      | Below Cal | #      | 1      |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 168780   | 32.96     | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 168780   | 111.43    | ug/l # | 15     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 5050     | 0.26      | ug/l   | 96     |
| 90) Hexachloroethane           | 13.89 | 117  | 104      | 0.21      | ug/l # | 4      |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 102      | 4.10      | ug/l # | 12     |
| 95) Naphthalene                | 15.14 | 128  | 81586    | 11.63     | ug/l   | 98     |

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\  
Data File : VN050964.D  
Acq On : 30 Aug 2018 15:51  
Operator : MD\SY  
Sample : J4699-03  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
CG-SOIL-1

Quant Time: Aug 31 01:37:05 2018  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082118W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 22 05:38:12 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: VN050964.D

Acq: 30 Aug 2018 15:51

Instrument :

MSVOA\_N

ClientSampled :

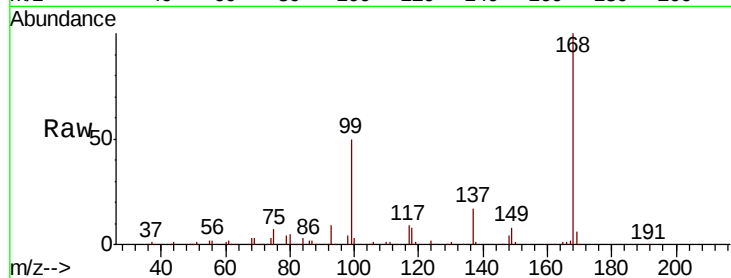
CG-SOIL-1

Tot Ion:168 Resp: 594367

Ion Ratio Lower Upper

168 100

99 50.4 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

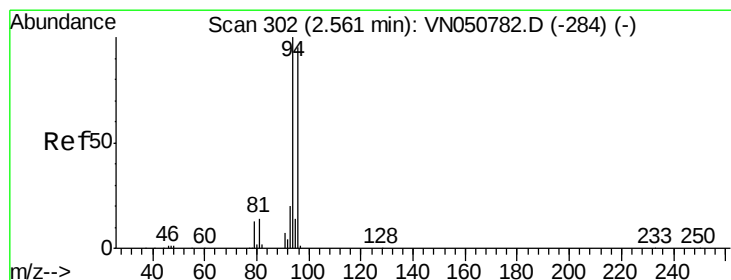
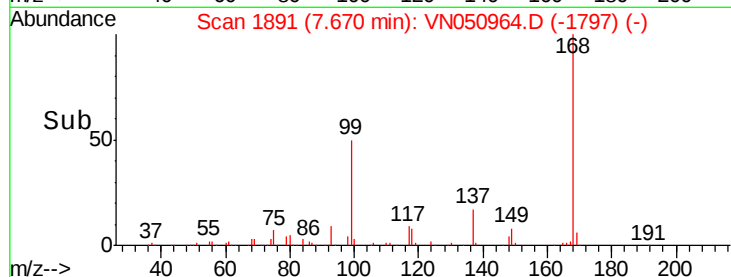
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050964.D

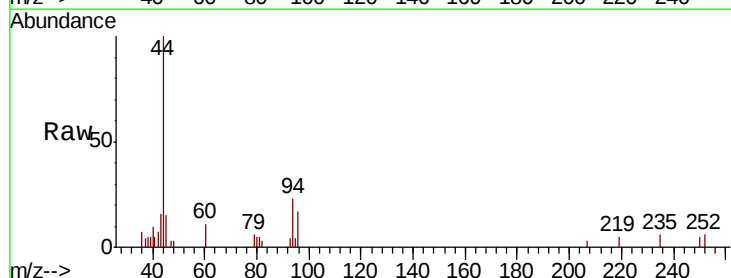
Acq: 30 Aug 2018 15:51

Tgt Ion: 94 Resp: 2200

Ion Ratio Lower Upper

94 100

96 71.6 76.2 114.2#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

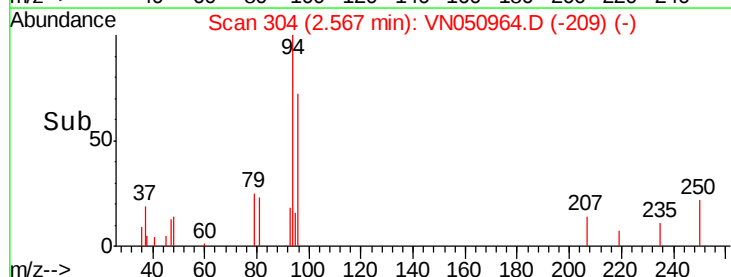
2.57

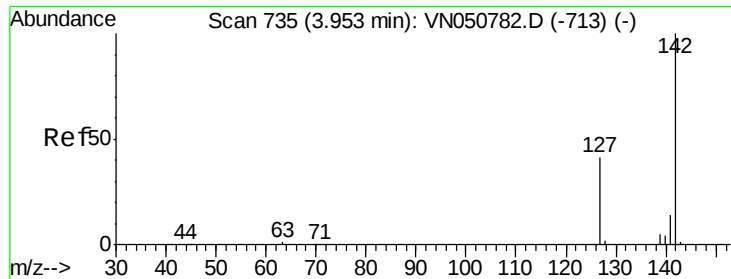
1000

500

0

Time--> 2.50 2.55 2.60

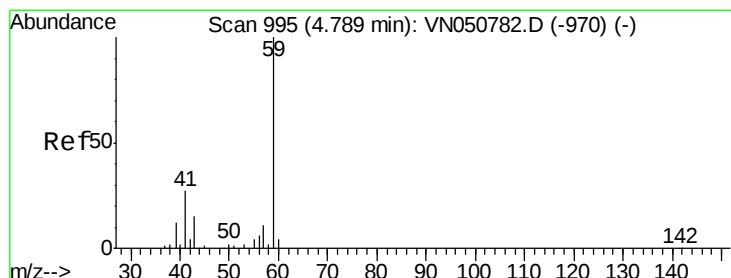
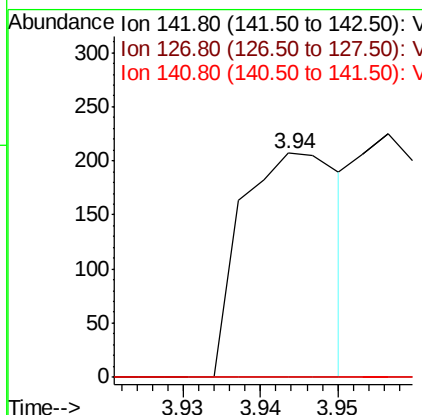
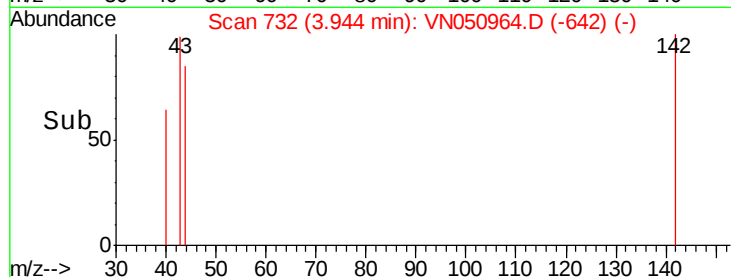
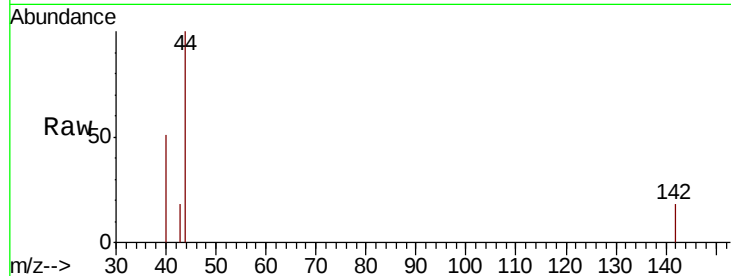




#10  
Methvl Iodide  
Concen: 6.37 ug/l  
RT: 3.94 min Scan# 732  
Delta R.T. -0.01 min  
Lab File: VN050964.D  
Acq: 30 Aug 2018 15:51

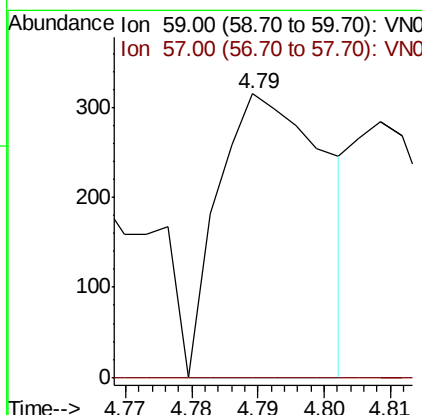
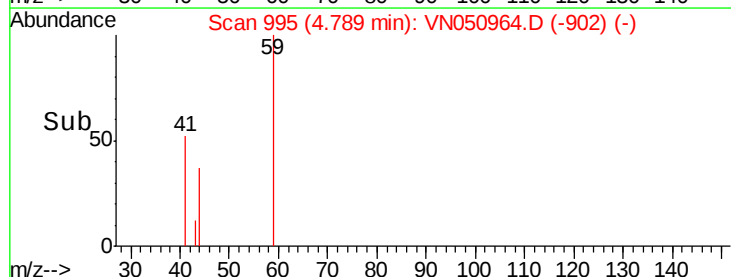
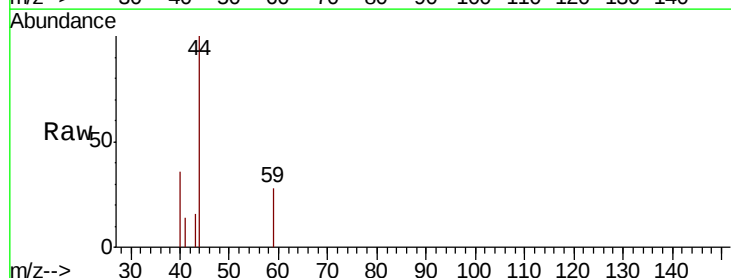
Instrument :  
MSVOA\_N  
ClientSampled :  
CG-SOIL-1

Tot Ion:142 Resp: 183  
Ion Ratio Lower Upper  
142 100  
127 0.0 31.7 47.5#  
141 0.0 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 0.78 ug/l  
RT: 4.79 min Scan# 995  
Delta R.T. -0.00 min  
Lab File: VN050964.D  
Acq: 30 Aug 2018 15:51

Tgt Ion: 59 Resp: 354  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#





#16

Acetone

Concen: 1.52 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050964.D

Acq: 30 Aug 2018 15:51

Instrument :

MSVOA\_N

ClientSampled :

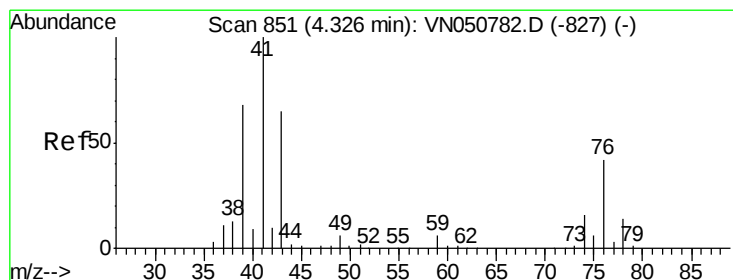
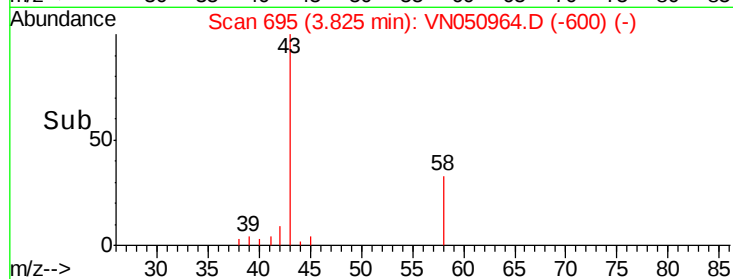
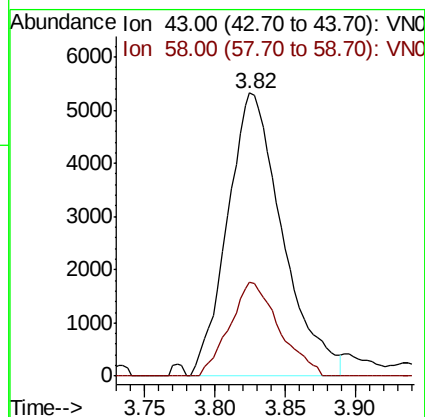
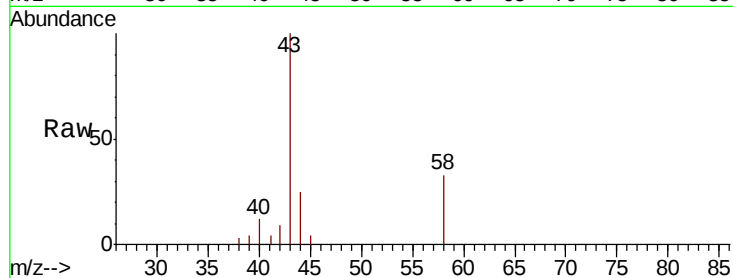
CG-SOIL-1

Tot Ion: 43 Resp: 14474

Ion Ratio Lower Upper

43 100

58 33.1 27.2 40.8



#18

Methyl Acetate

Concen: 2.79 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN050964.D

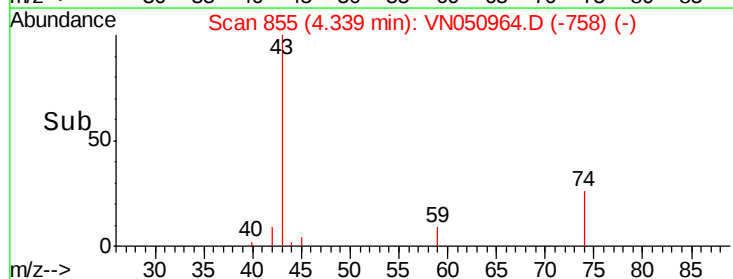
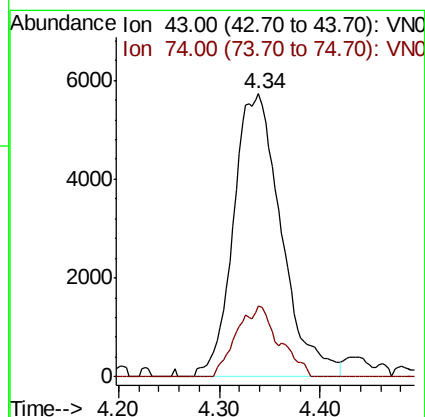
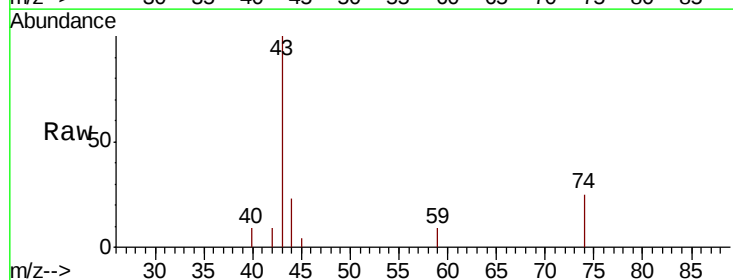
Acq: 30 Aug 2018 15:51

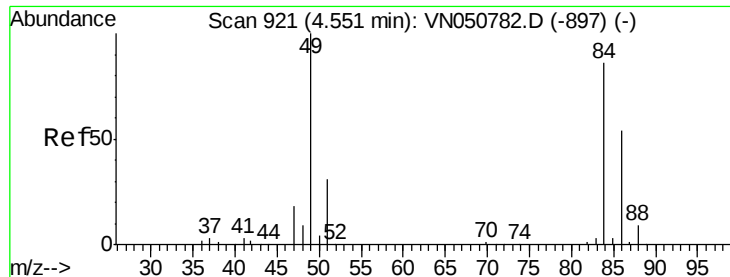
Tgt Ion: 43 Resp: 18878

Ion Ratio Lower Upper

43 100

74 22.4 19.8 29.8

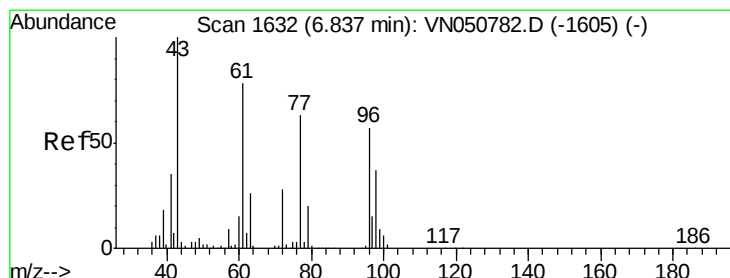
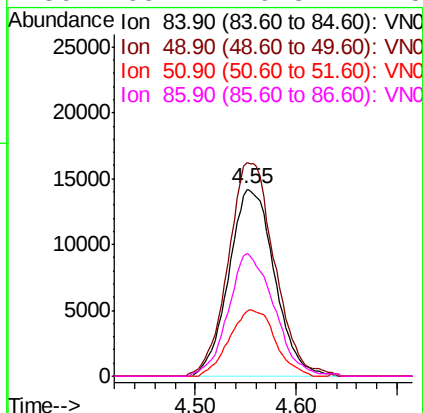
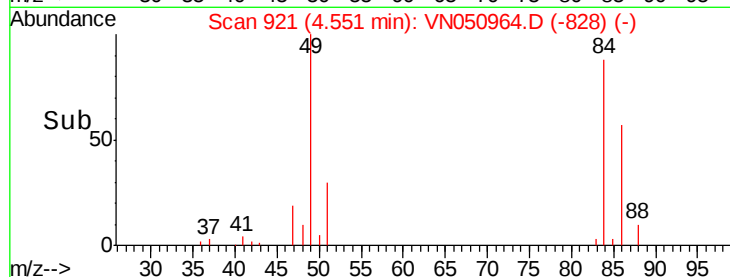
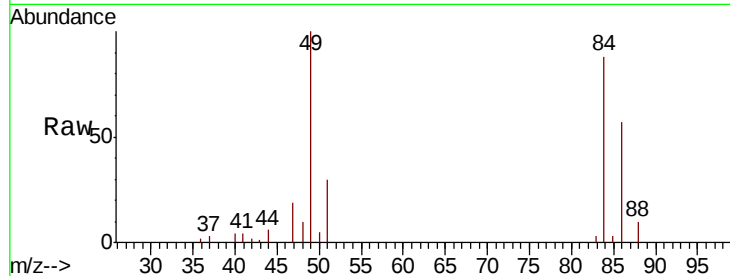




#20  
Methvlene Chloride  
Concen: 5.53 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. -0.00 min  
Lab File: VN050964.D  
Acq: 30 Aug 2018 15:51

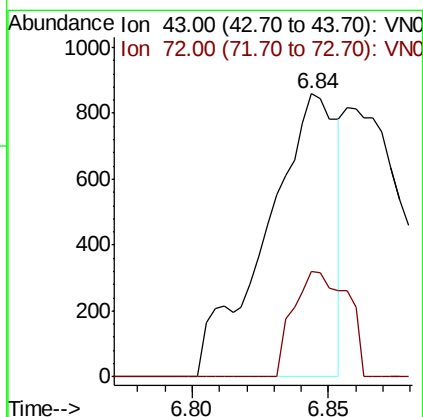
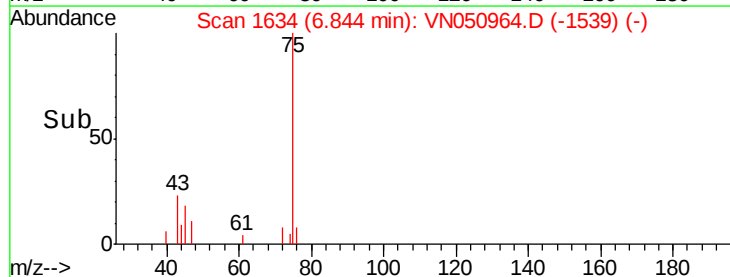
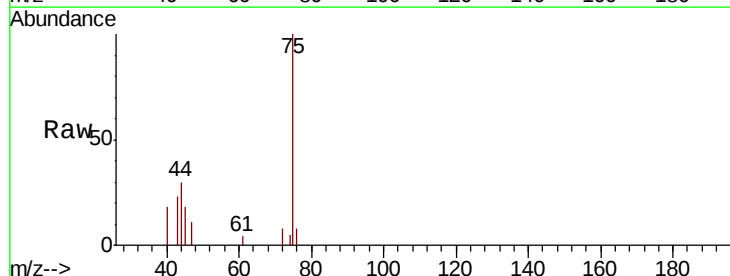
Instrument :  
MSVOA\_N  
ClientSampled :  
CG-SOIL-1

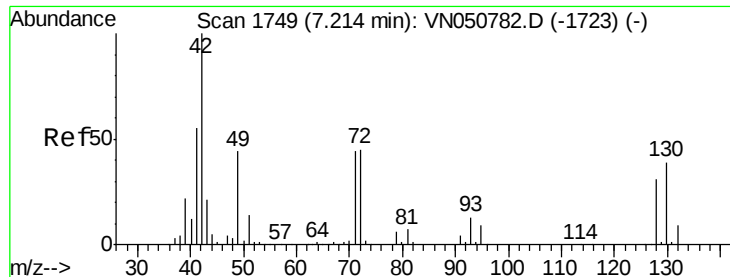
Tot Ion: 84 Resp: 44604  
Ion Ratio Lower Upper  
84 100  
49 114.3 93.2 139.8  
51 34.8 29.0 43.6  
86 65.7 49.8 74.8



#25  
2-Butanone  
Concen: 0.53 ug/l  
RT: 6.84 min Scan# 1634  
Delta R.T. 0.01 min  
Lab File: VN050964.D  
Acq: 30 Aug 2018 15:51

Tgt Ion: 43 Resp: 1537  
Ion Ratio Lower Upper  
43 100  
72 37.3 22.3 33.5#





#29

Tetrahydrofuran

Concen: 0.39 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN050964.D

Acq: 30 Aug 2018 15:51

Instrument :

MSVOA\_N

ClientSampled :

CG-SOIL-1

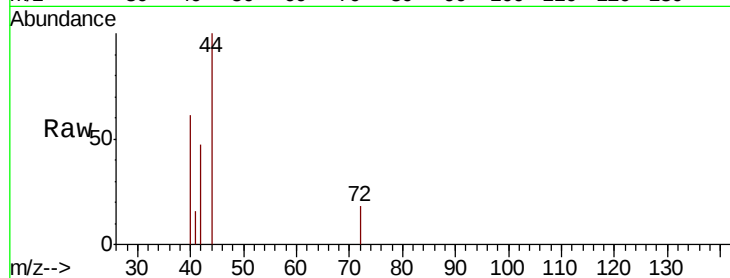
Tot Ion: 42 Resp: 653

Ion Ratio Lower Upper

42 100

72 40.1 35.5 53.3

71 9.3 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.22

400

300

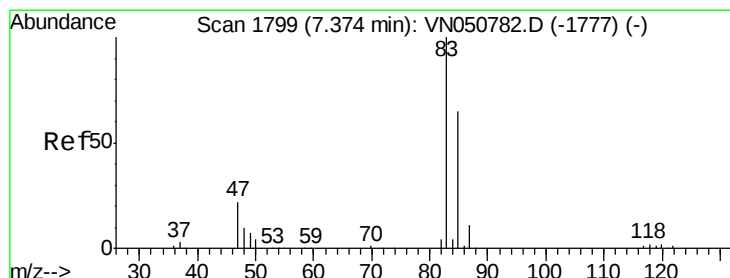
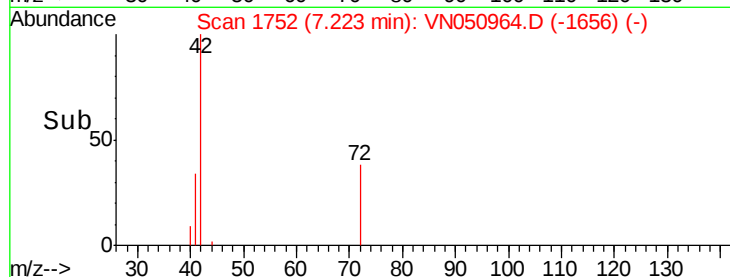
200

100

0

7.18 7.20 7.22 7.24

Time-->



#30

Chloroform

Concen: 0.70 ug/l

RT: 7.38 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN050964.D

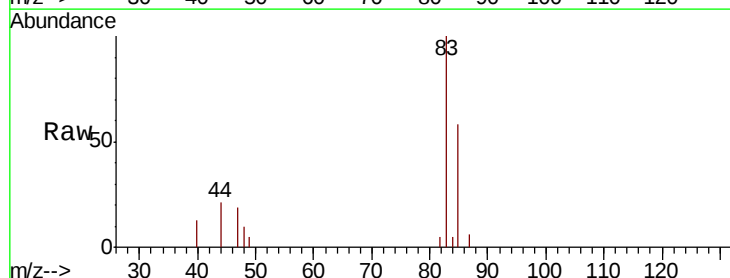
Acq: 30 Aug 2018 15:51

Tgt Ion: 83 Resp: 9219

Ion Ratio Lower Upper

83 100

85 58.4 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

7.38

4000

3000

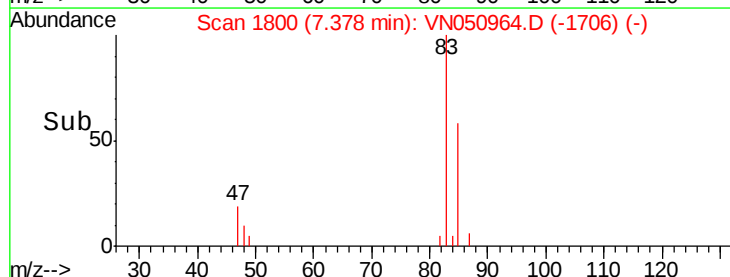
2000

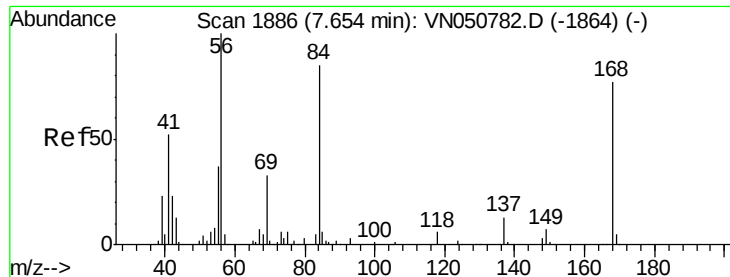
1000

0

7.30 7.35 7.40 7.45

Time-->





#31

Cyclohexane

Concen: 1.30 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050964.D

Acq: 30 Aug 2018 15:51

Instrument :

MSVOA\_N

ClientSampled :

CG-SOIL-1

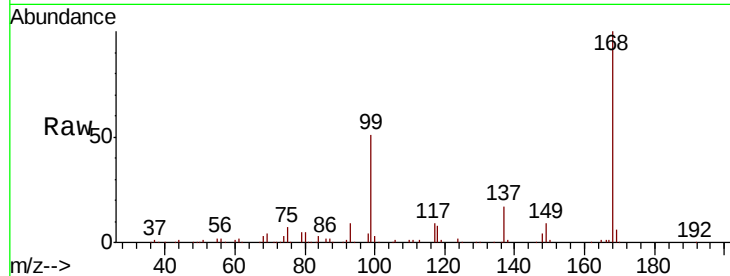
Tot Ion: 56 Resp: 10267

Ion Ratio Lower Upper

56 100

69 219.0 26.2 39.4#

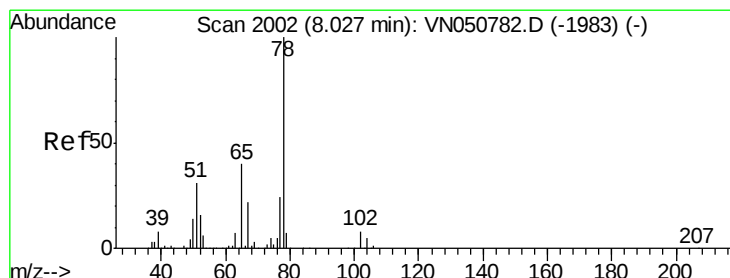
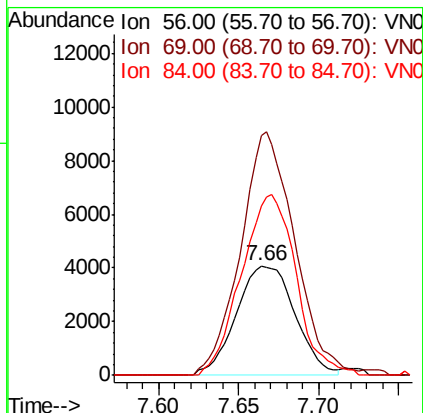
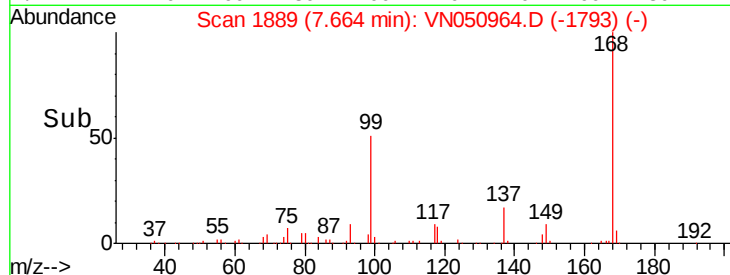
84 154.6 68.3 102.5#



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: 54.70 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050964.D

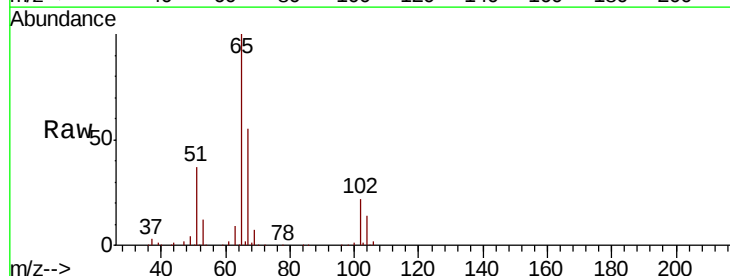
Acq: 30 Aug 2018 15:51

Tgt Ion: 65 Resp: 391382

Ion Ratio Lower Upper

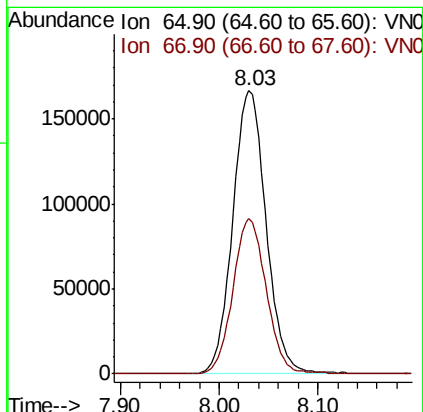
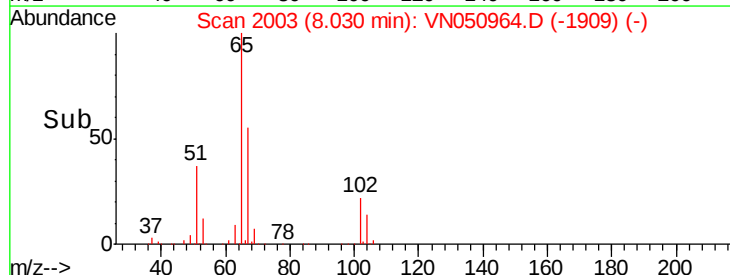
65 100

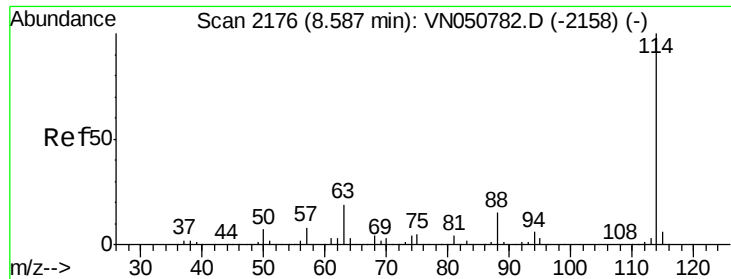
67 54.9 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

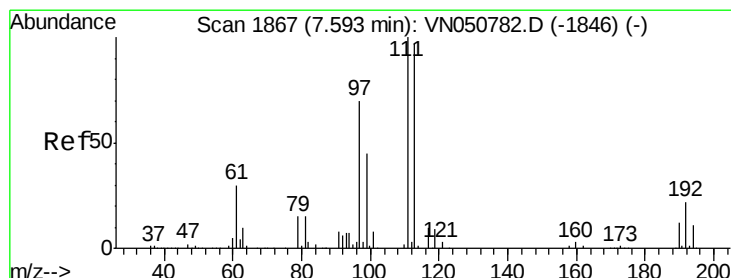
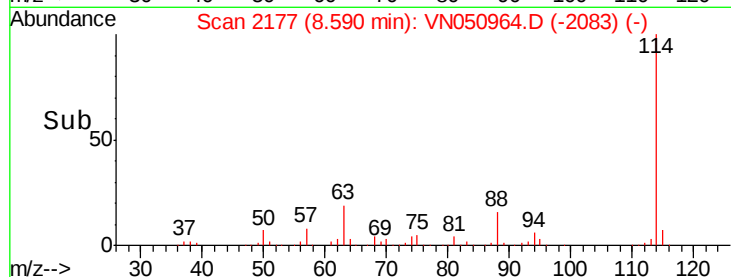
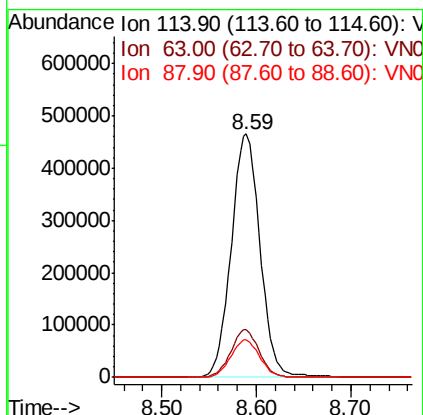
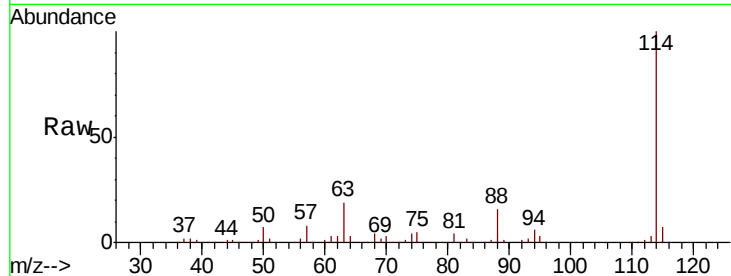




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050964.D  
 Acq: 30 Aug 2018 15:51

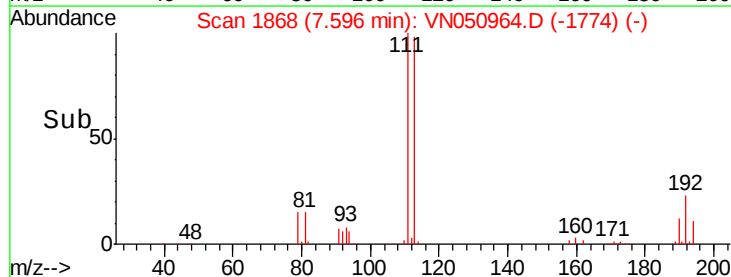
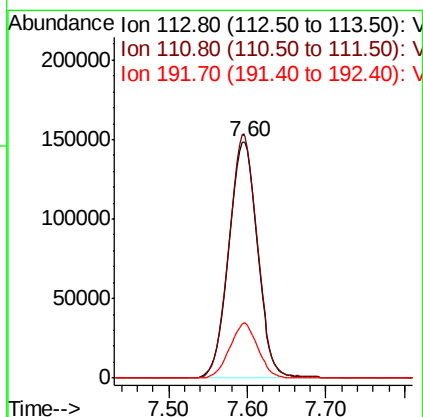
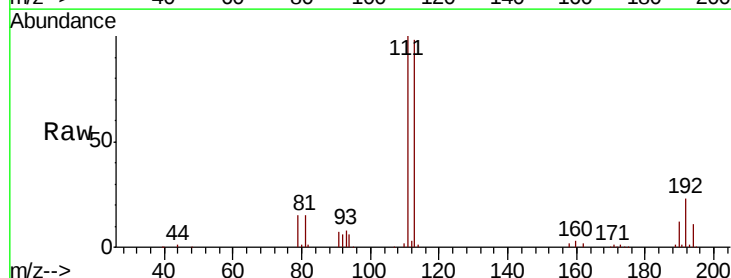
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CG-SOIL-1

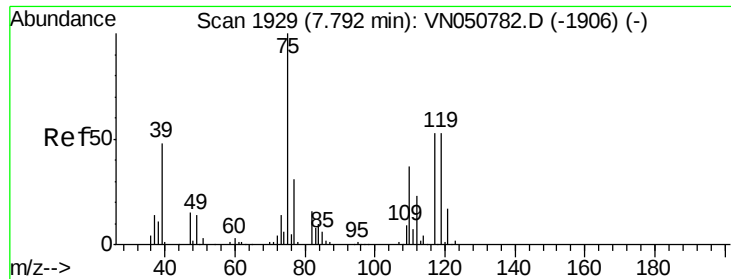
Tot Ion:114 Resp: 986872  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 38.6  
 88 15.5 0.0 30.6



#35  
 Dibromofluoromethane  
 Concen: 48.05 ug/l  
 RT: 7.60 min Scan# 1868  
 Delta R.T. 0.00 min  
 Lab File: VN050964.D  
 Acq: 30 Aug 2018 15:51

Tgt Ion:113 Resp: 377219  
 Ion Ratio Lower Upper  
 113 100  
 111 101.0 82.6 123.8  
 192 22.7 18.0 27.0

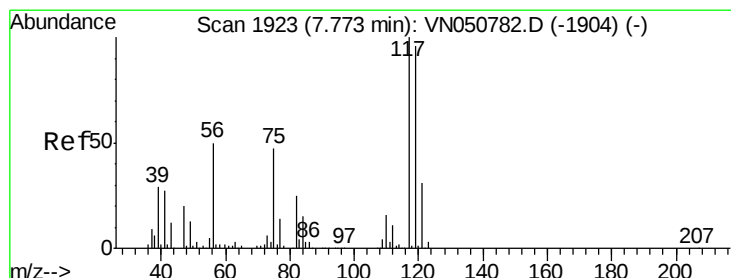
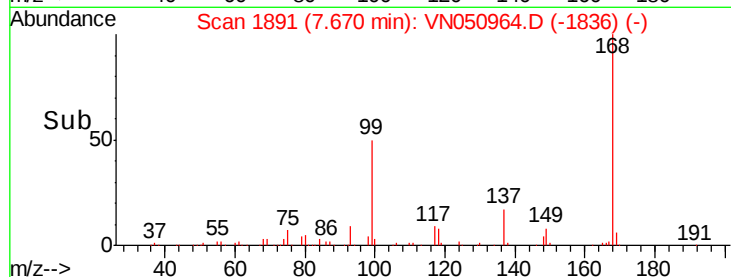
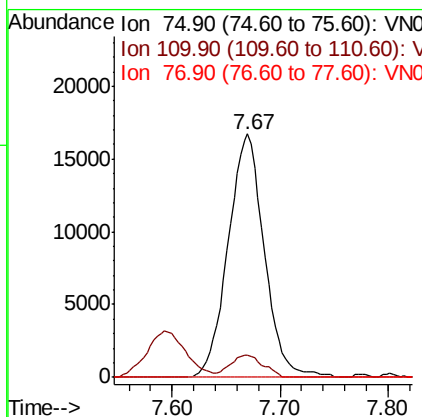
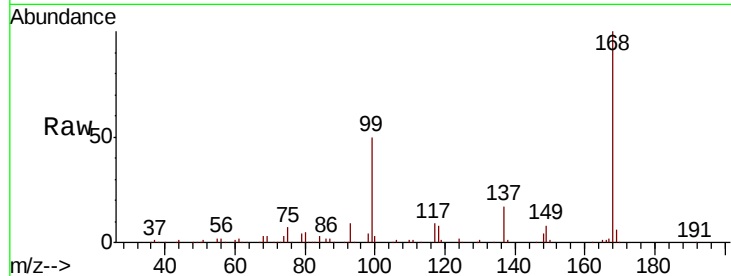




#36  
 1,1-Dichloropropene  
 Concen: 3.35 ug/l  
 RT: 7.67 min Scan# 1891  
 Delta R.T. -0.12 min  
 Lab File: VN050964.D  
 Acq: 30 Aug 2018 15:51

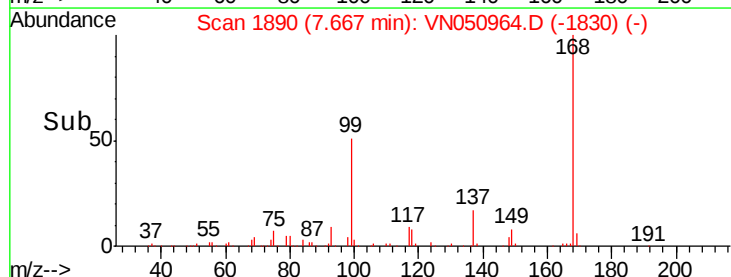
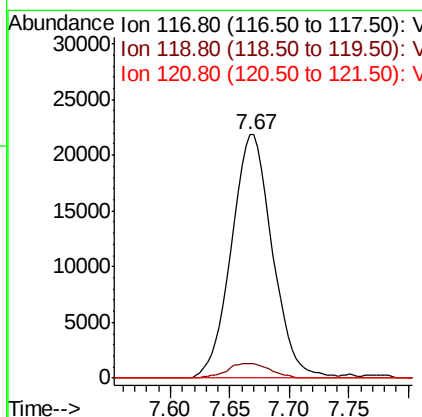
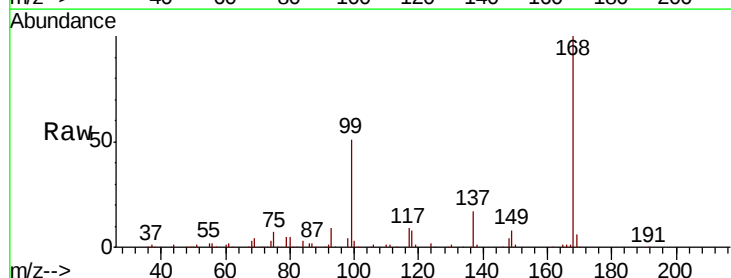
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CG-SOIL-1

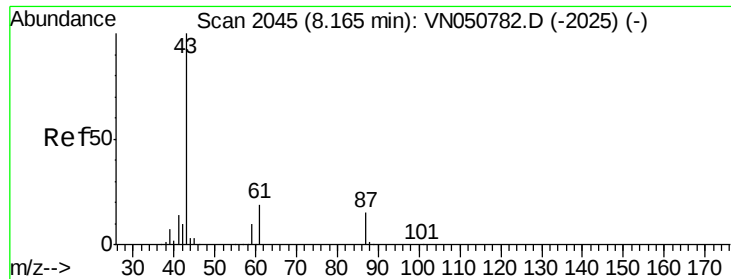
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.5   | 18.1  | 54.4# |
| 77      | 0.0   | 24.8  | 37.2# |



#38  
 Carbon Tetrachloride  
 Concen: 4.43 ug/l  
 RT: 7.67 min Scan# 1890  
 Delta R.T. -0.11 min  
 Lab File: VN050964.D  
 Acq: 30 Aug 2018 15:51

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 6.1   | 76.3  | 114.5# |
| 121     | 0.0   | 24.6  | 36.8#  |



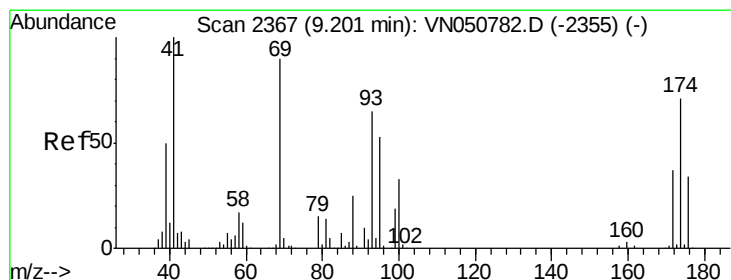
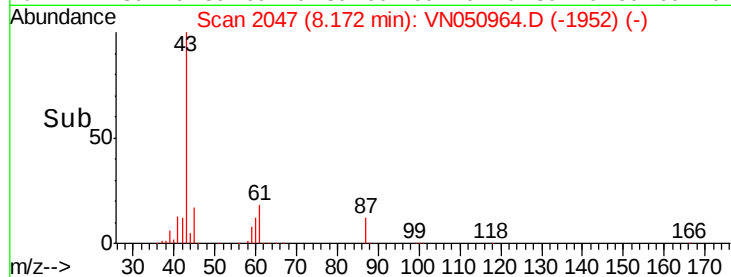
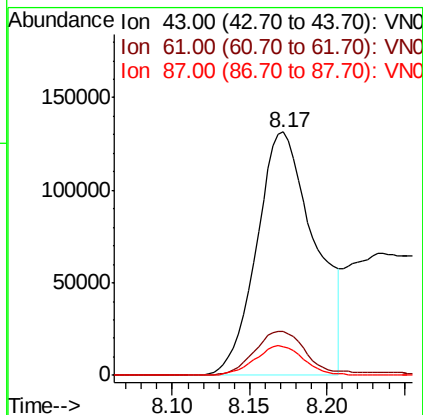
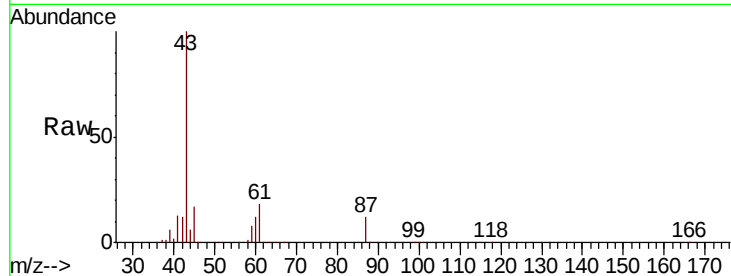


#43

Isopropyl Acetate  
 Concen: 29.72 ug/l  
 RT: 8.17 min Scan# 2047  
 Delta R.T. 0.01 min  
 Lab File: VN050964.D  
 Acq: 30 Aug 2018 15:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CG-SOIL-1

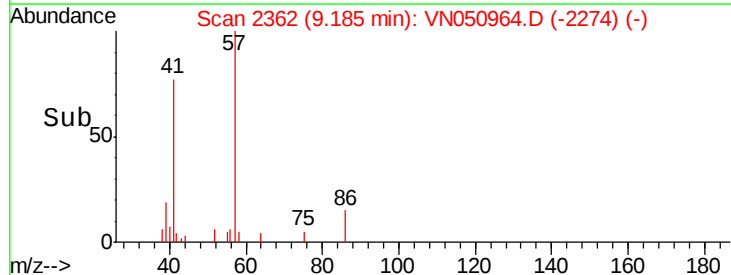
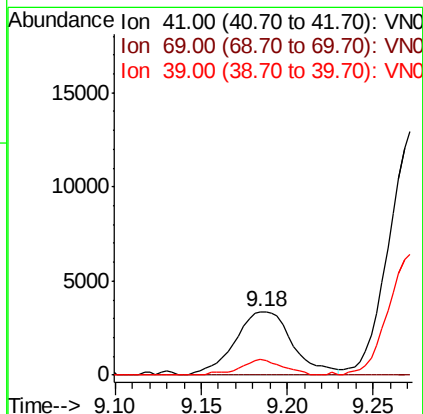
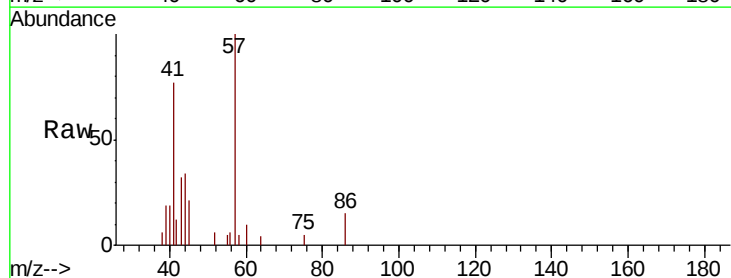
Tot Ion: 43 Resp: 341845  
 Ion Ratio Lower Upper  
 43 100  
 61 16.4 17.5 26.3#  
 87 10.2 11.3 16.9#

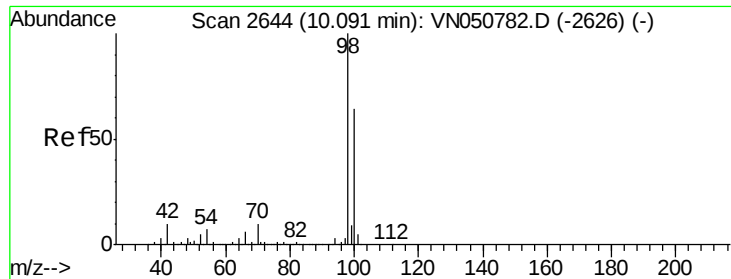


#48

Methyl methacrylate  
 Concen: 1.34 ug/l  
 RT: 9.18 min Scan# 2362  
 Delta R.T. -0.02 min  
 Lab File: VN050964.D  
 Acq: 30 Aug 2018 15:51

Tgt Ion: 41 Resp: 7838  
 Ion Ratio Lower Upper  
 41 100  
 69 0.0 74.7 112.1#  
 39 18.4 42.2 63.2#

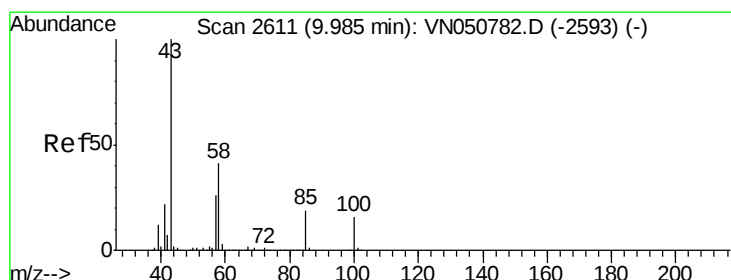
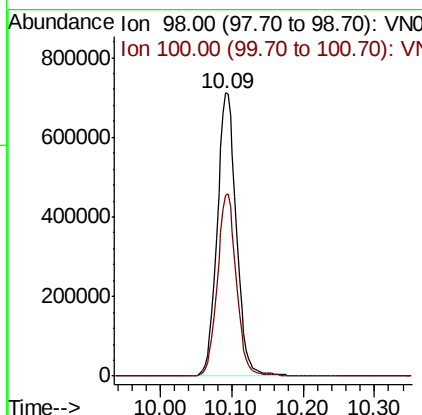
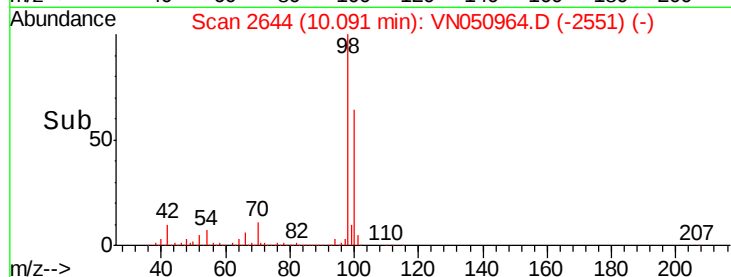
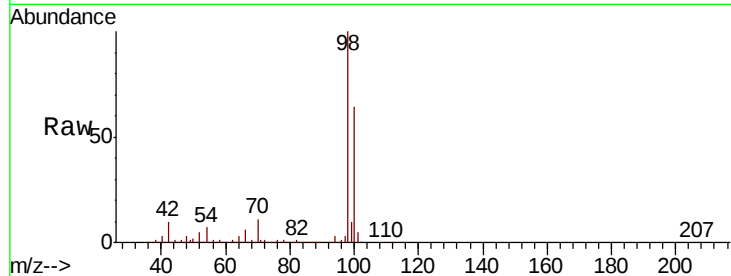




#50  
Toluene-d8  
Concen: 45.07 ug/l  
RT: 10.09 min Scan# 2644  
Delta R.T. -0.00 min  
Lab File: VN050964.D  
Acq: 30 Aug 2018 15:51

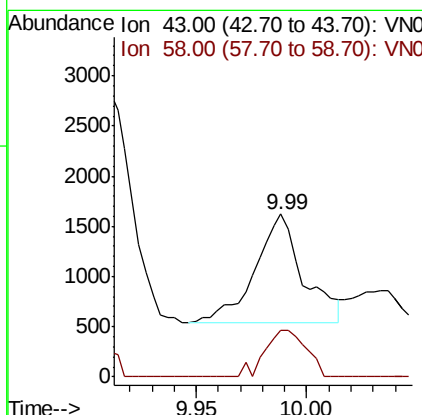
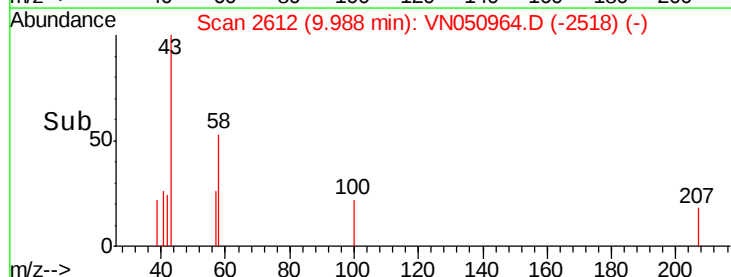
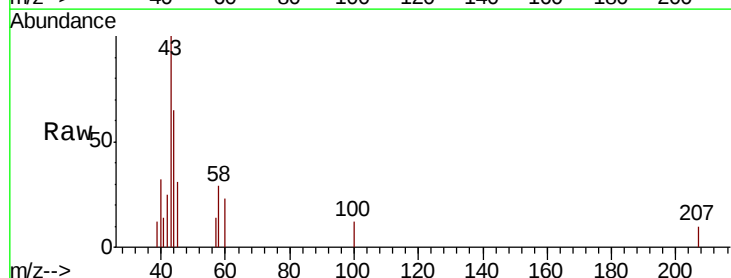
Instrument :  
MSVOA\_N  
ClientSampled :  
CG-SOIL-1

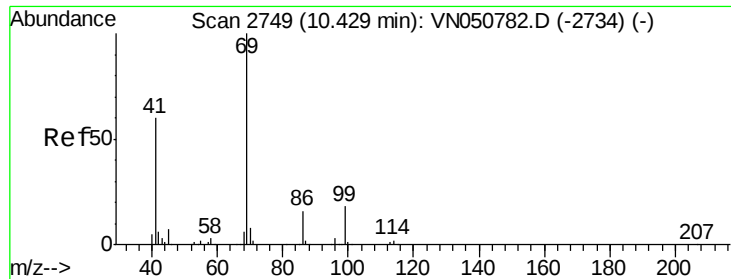
Tot Ion: 98 Resp: 1322858  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.5 77.3



#51  
4-Methyl-2-Pentanone  
Concen: 0.24 ug/l  
RT: 9.99 min Scan# 2612  
Delta R.T. 0.00 min  
Lab File: VN050964.D  
Acq: 30 Aug 2018 15:51

Tgt Ion: 43 Resp: 1642  
Ion Ratio Lower Upper  
43 100  
58 36.4 32.4 48.6





#56

Ethyl methacrylate

Concen: 2.61 ug/l

RT: 10.22 min Scan# 2685

Delta R.T. -0.20 min

Lab File: VN050964.D

Acq: 30 Aug 2018 15:51

Instrument :

MSVOA\_N

ClientSampled :

CG-SOIL-1

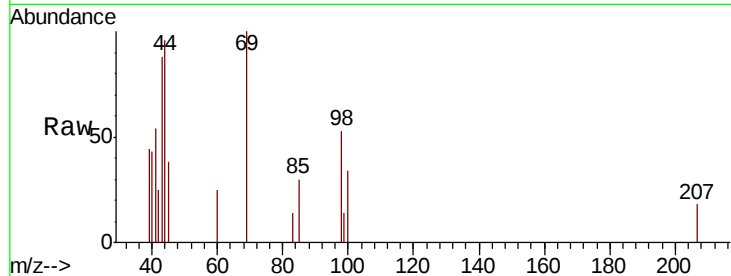
Tot Ion: 69 Resp: 2717

Ion Ratio Lower Upper

69 100

41 40.0 48.3 72.5#

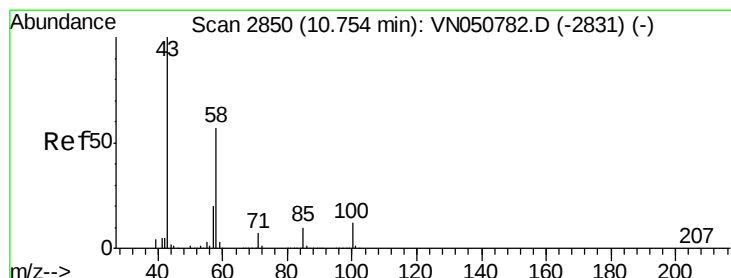
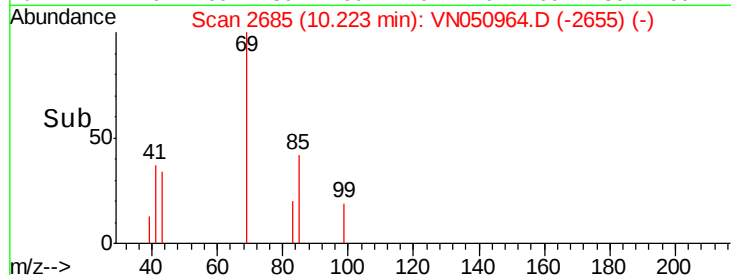
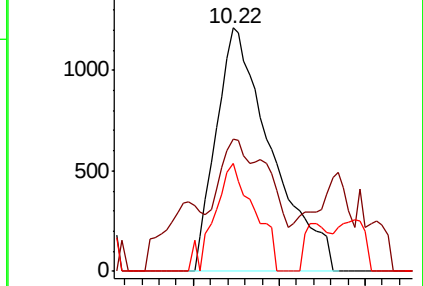
39 31.8 24.0 36.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 3.40 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050964.D

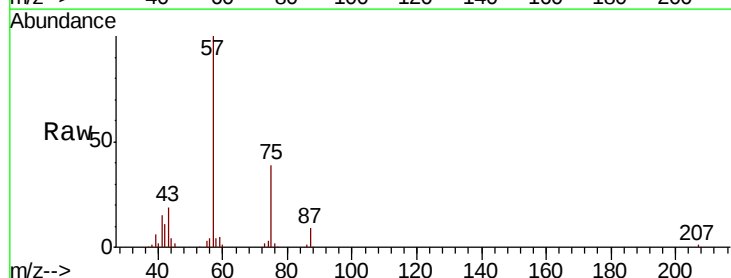
Acq: 30 Aug 2018 15:51

Tgt Ion: 43 Resp: 15536

Ion Ratio Lower Upper

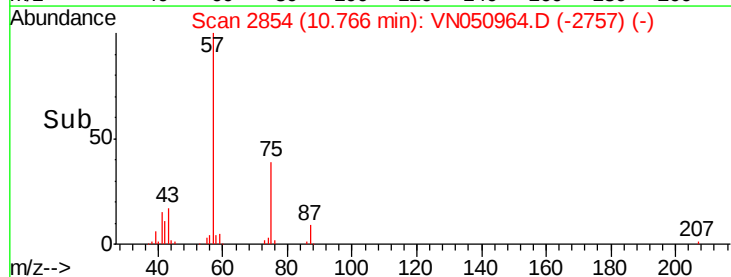
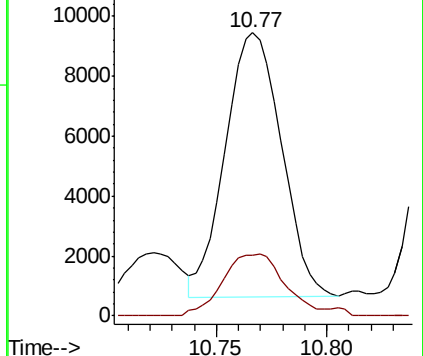
43 100

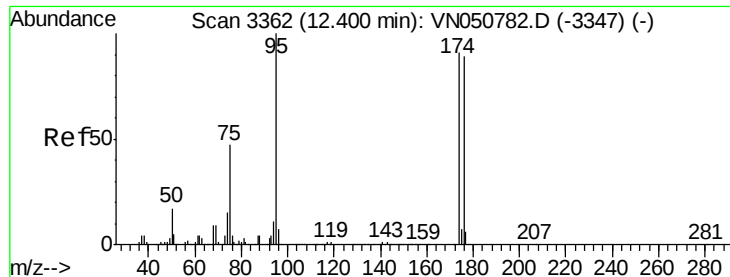
58 25.9 28.3 85.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 36.97 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050964.D

Acq: 30 Aug 2018 15:51

Instrument :

MSVOA\_N

ClientSampleId :

CG-SOIL-1

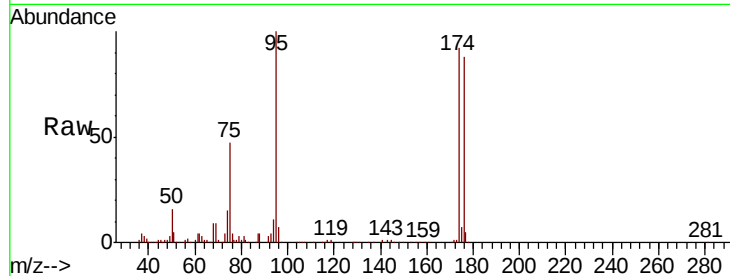
Tot Ion: 95 Resp: 360658

Ion Ratio Lower Upper

95 100

174 92.7 0.0 183.0

176 88.0 0.0 178.8

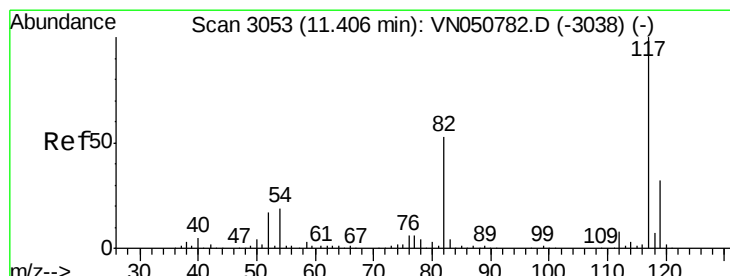
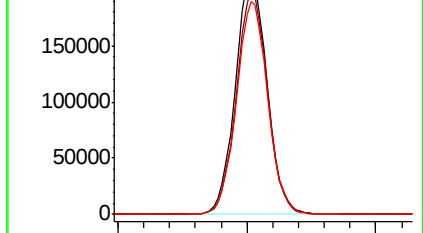
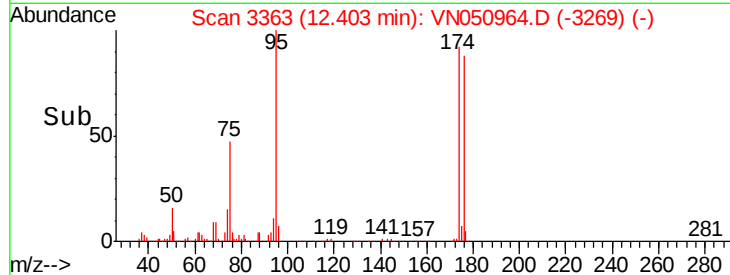


Abundance Ion 94.90 (94.60 to 95.60): VN050782.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN050782.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN050782.D (-3347) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050964.D

Acq: 30 Aug 2018 15:51

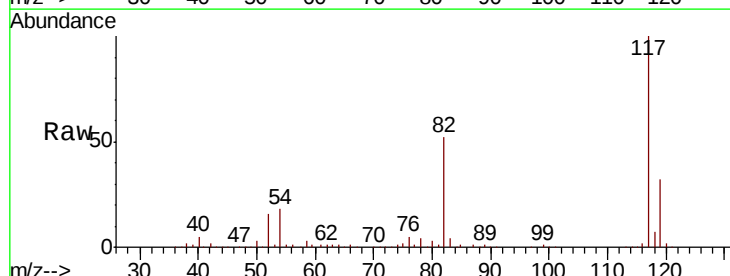
Tgt Ion: 117 Resp: 835617

Ion Ratio Lower Upper

117 100

82 52.5 42.6 64.0

119 31.9 25.8 38.6

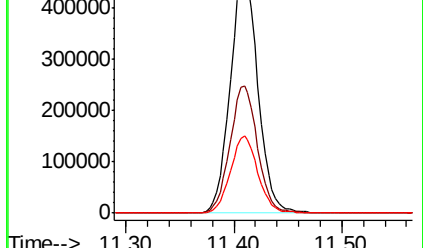
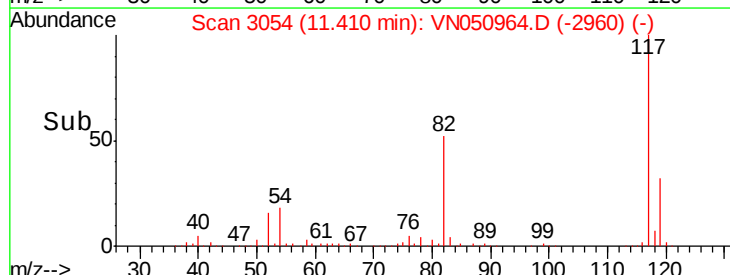


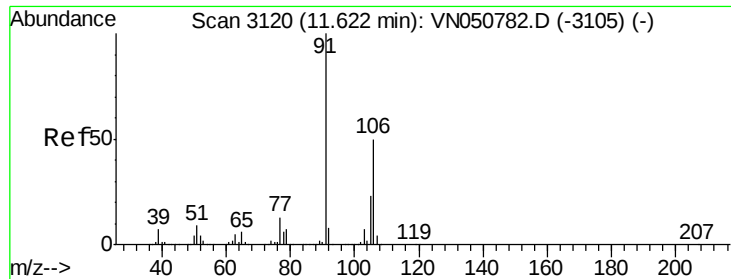
Abundance Ion 116.90 (116.60 to 117.60): VN050782.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050782.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050782.D (-3038) (-)

Time--> 11.30 11.40 11.50

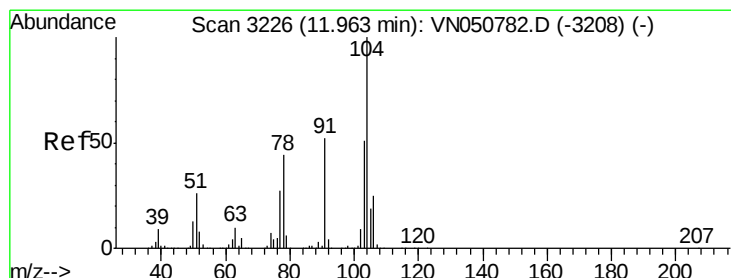
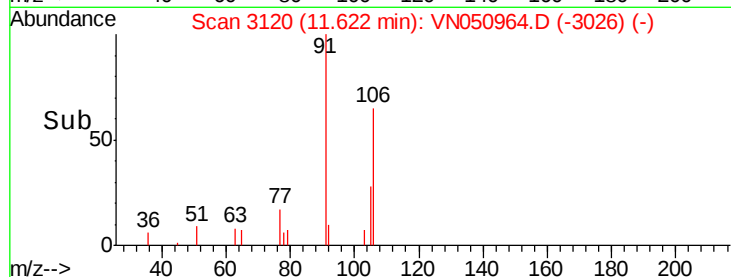
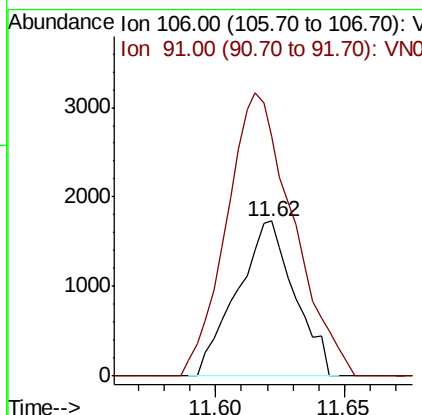
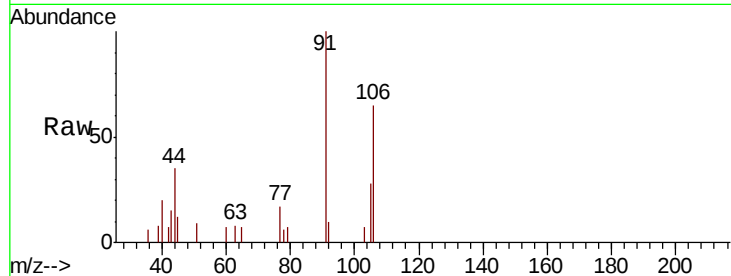




#68  
m/p-Xvlenes  
Concen: 0.20 ug/l  
RT: 11.62 min Scan# 3120  
Delta R.T. 0.00 min  
Lab File: VN050964.D  
Acq: 30 Aug 2018 15:51

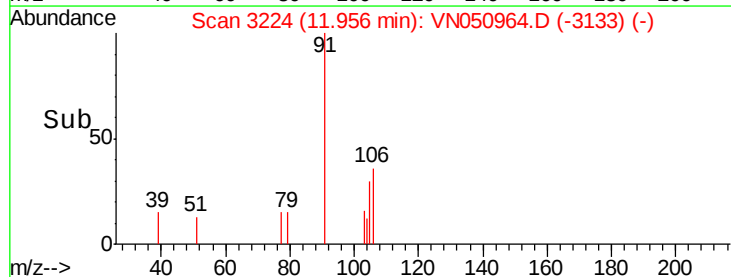
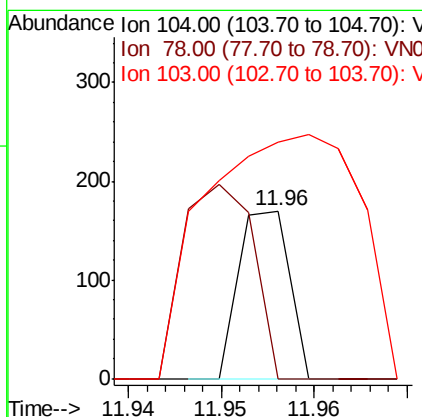
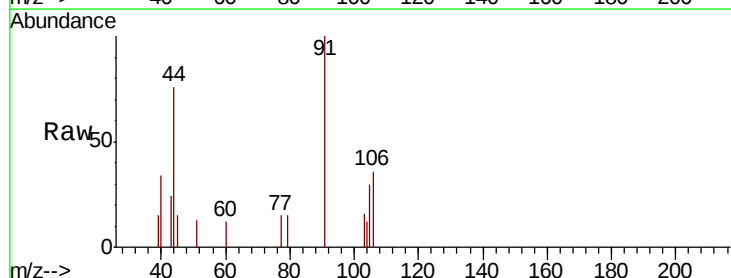
Instrument :  
MSVOA\_N  
ClientSampled :  
CG-SOIL-1

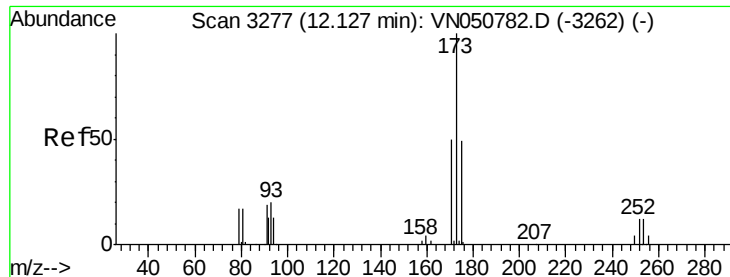
Tot Ion:106 Resp: 2703  
Ion Ratio Lower Upper  
106 100  
91 210.6 161.0 241.6



#70  
Styrene  
Concen: 1.27 ug/l  
RT: 11.96 min Scan# 3224  
Delta R.T. -0.01 min  
Lab File: VN050964.D  
Acq: 30 Aug 2018 15:51

Tgt Ion:104 Resp: 65  
Ion Ratio Lower Upper  
104 100  
78 160.0 38.2 57.4#  
103 441.5 44.4 66.6#





#71

Bromoform

Concen: 0.53 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN050964.D

Acq: 30 Aug 2018 15:51

Instrument :

MSVOA\_N

ClientSampled :

CG-SOIL-1

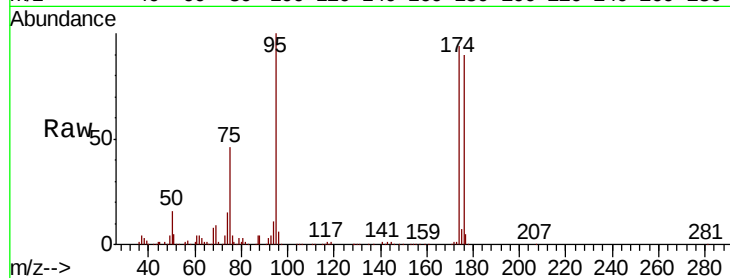
Tot Ion:173 Resp: 2900

Ion Ratio Lower Upper

173 100

175 719.1 24.4 73.4#

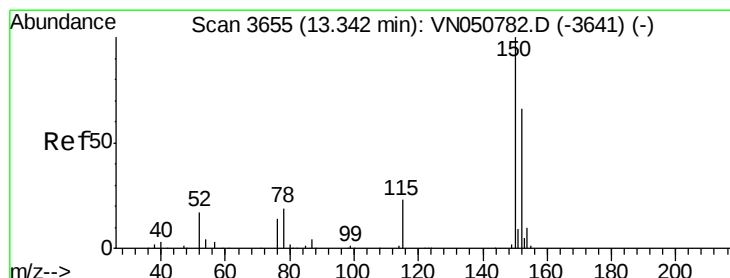
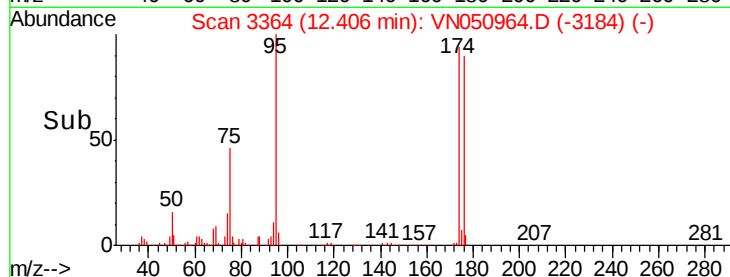
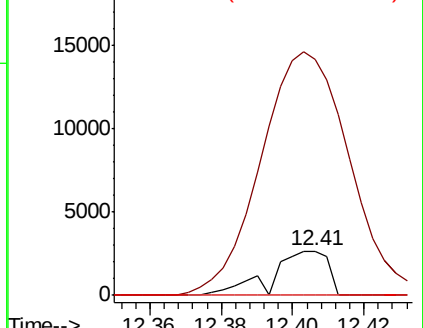
254 0.0 0.1 0.1#



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: VN050964.D

Acq: 30 Aug 2018 15:51

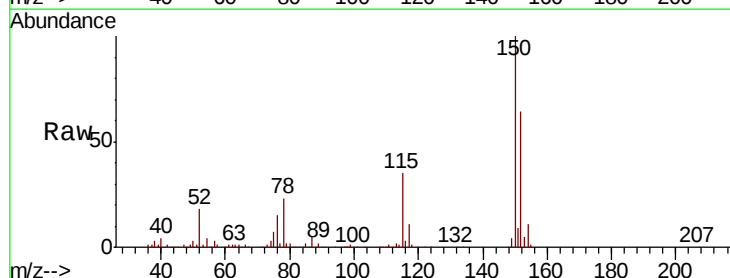
Tgt Ion:152 Resp: 292360

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.4

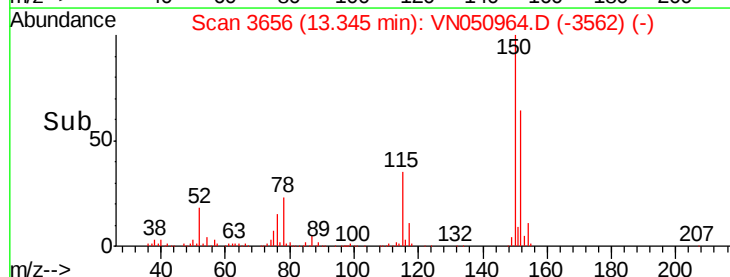
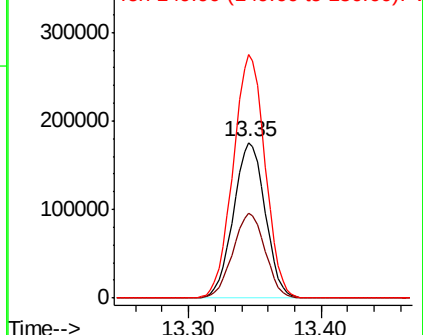
150 157.3 0.0 351.4

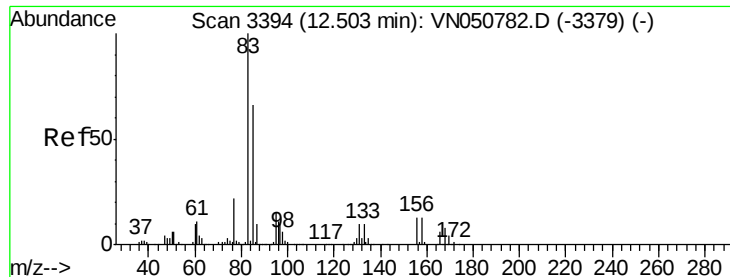


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3364

Delta R.T. -0.10 min

Lab File: VN050964.D

Acq: 30 Aug 2018 15:51

Instrument :

MSVOA\_N

ClientSampleId :

CG-SOIL-1

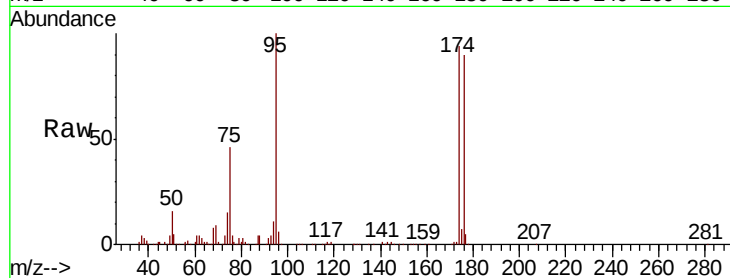
Tot Ion: 83 Resp: 142

Ion Ratio Lower Upper

83 100

131 316.9 5.3 15.9#

85 0.0 31.9 95.7#

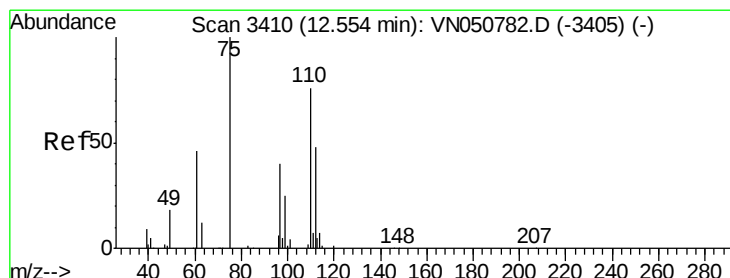
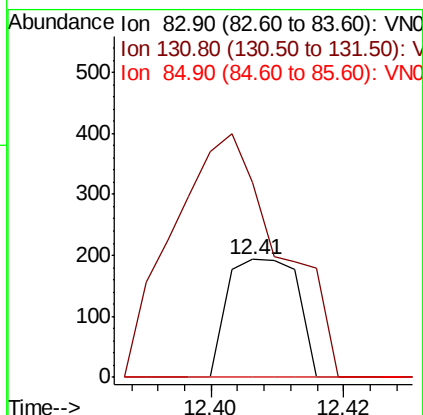
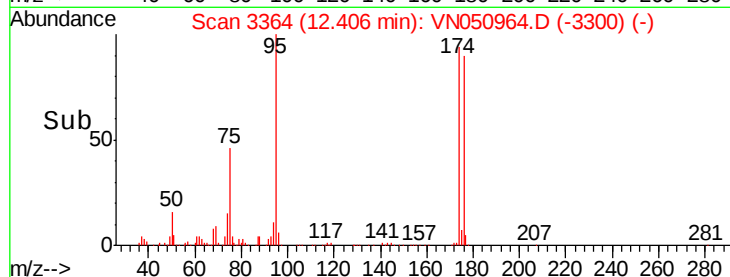


Abundance Ion 82.90 (82.60 to 83.60): VN050782.D (-3379) (-)

Ion 130.80 (130.50 to 131.50): VN050782.D (-3379) (-)

Ion 84.90 (84.60 to 85.60): VN050782.D (-3379) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 32.96 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050964.D

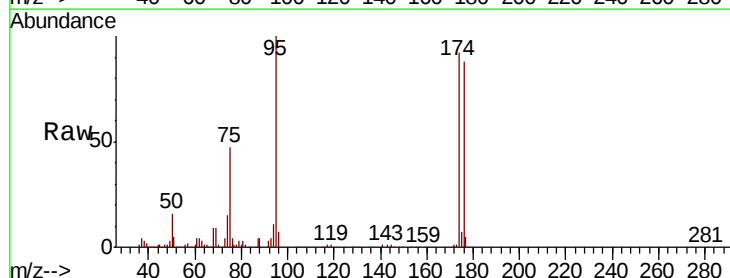
Acq: 30 Aug 2018 15:51

Tgt Ion: 75 Resp: 168780

Ion Ratio Lower Upper

75 100

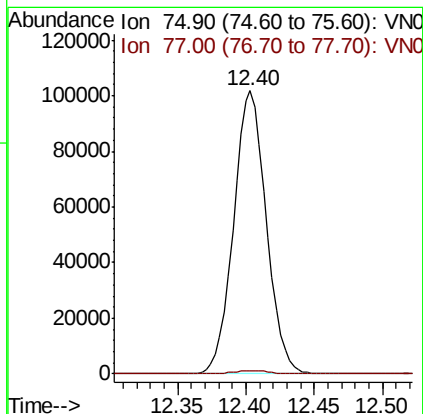
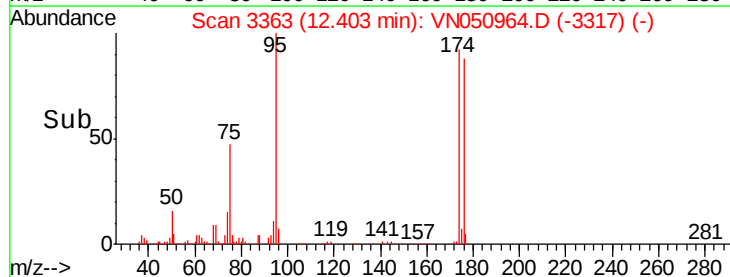
77 1.3 0.0 0.0#

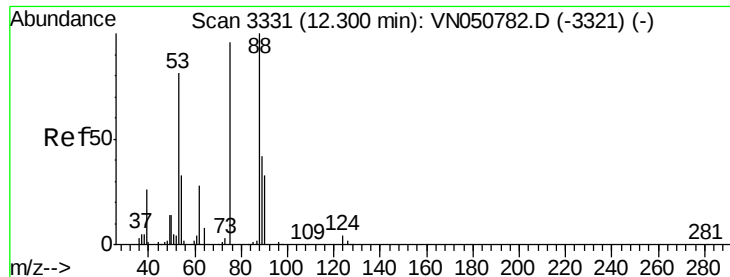


Abundance Ion 74.90 (74.60 to 75.60): VN050782.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN050782.D (-3405) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 111.43 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050964.D

Acq: 30 Aug 2018 15:51

Instrument :

MSVOA\_N

ClientSampled :

CG-SOIL-1

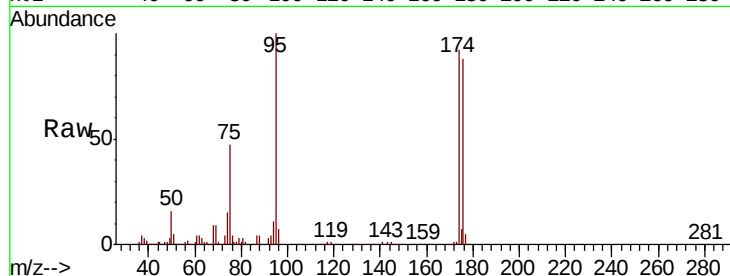
Tot Ion: 75 Resp: 168780

Ion Ratio Lower Upper

75 100

53 0.2 68.9 103.3#

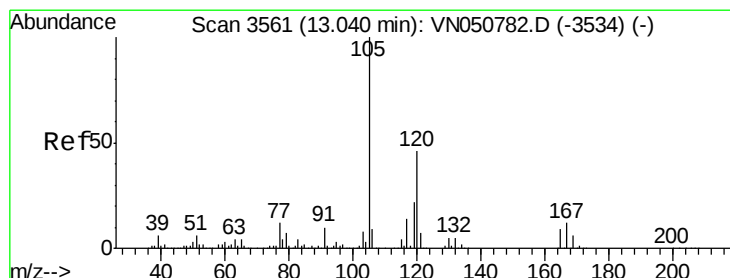
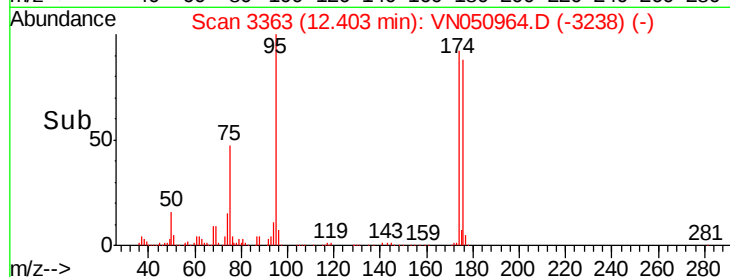
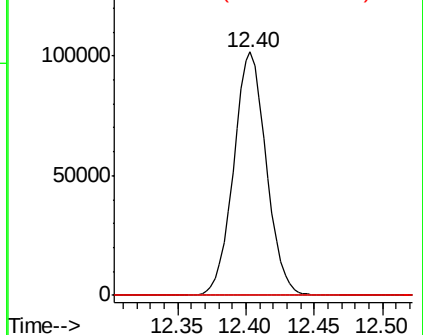
89 0.0 36.1 54.1#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.26 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050964.D

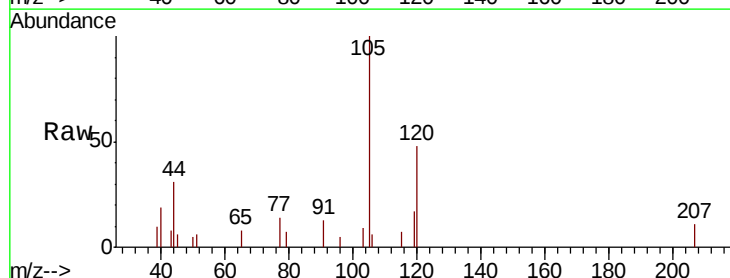
Acq: 30 Aug 2018 15:51

Tgt Ion: 105 Resp: 5050

Ion Ratio Lower Upper

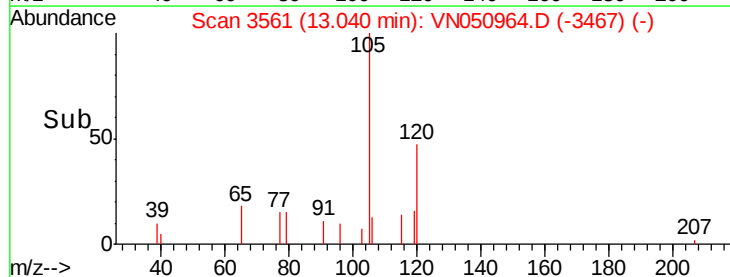
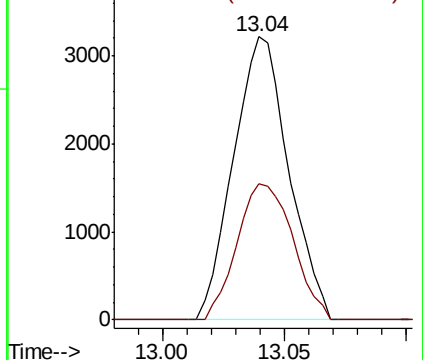
105 100

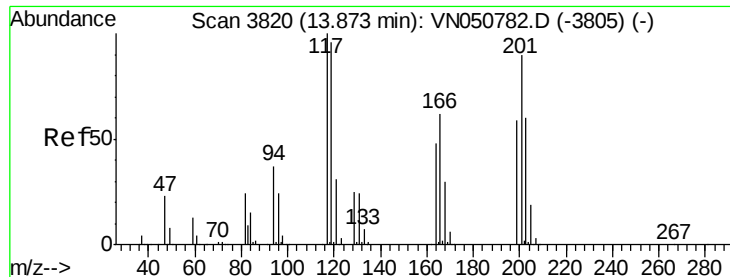
120 48.5 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 0.21 ug/l

RT: 13.89 min Scan# 3824

Delta R.T. 0.01 min

Lab File: VN050964.D

Acq: 30 Aug 2018 15:51

Instrument :

MSVOA\_N

ClientSampled :

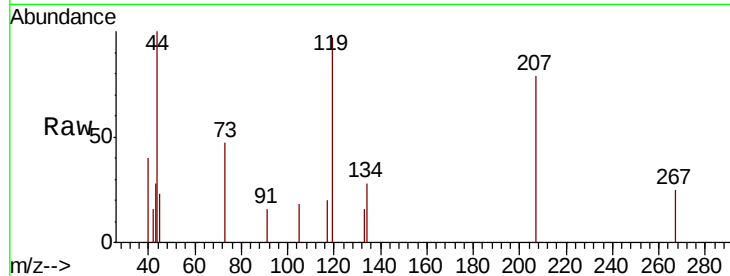
CG-SOIL-1

Tot Ion:117 Resp: 104

Ion Ratio Lower Upper

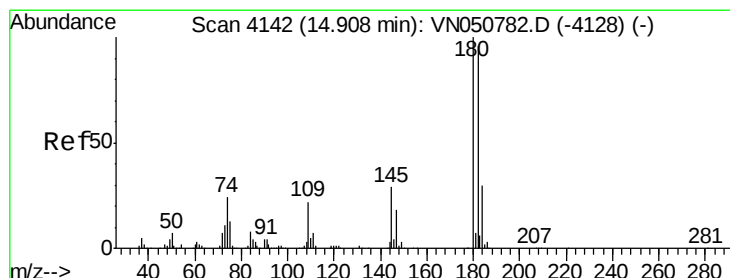
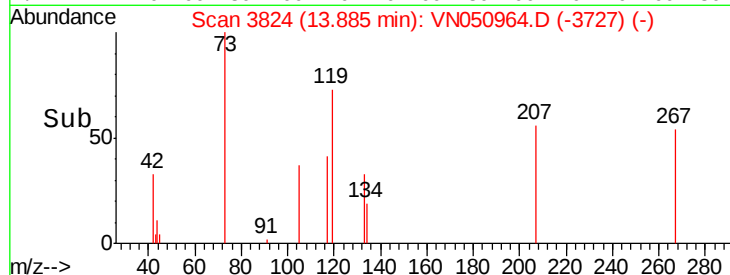
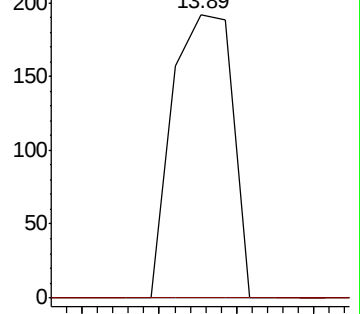
117 100

201 0.0 46.0 137.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 4.10 ug/l

RT: 14.91 min Scan# 4142

Delta R.T. 0.00 min

Lab File: VN050964.D

Acq: 30 Aug 2018 15:51

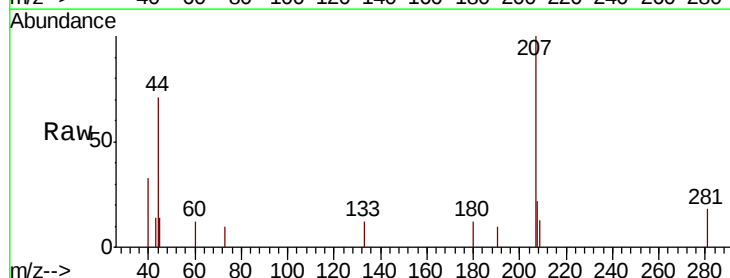
Tgt Ion:180 Resp: 102

Ion Ratio Lower Upper

180 100

182 0.0 48.2 144.6#

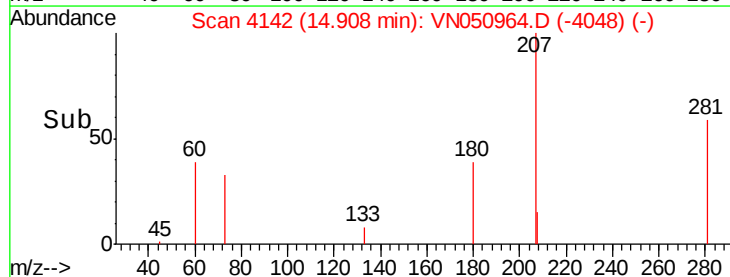
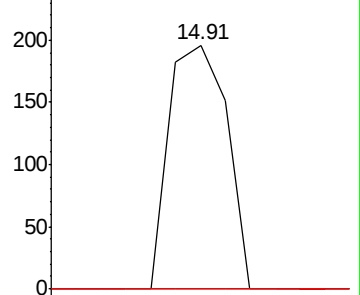
145 0.0 14.1 42.2#

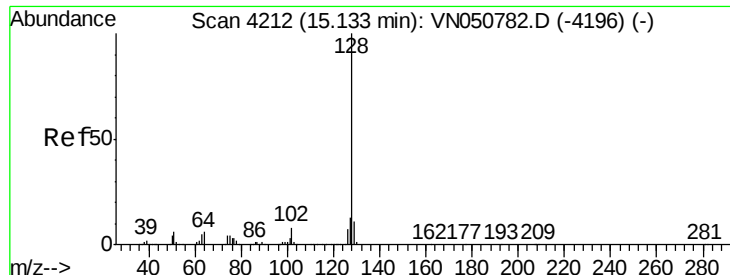


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95  
 Naphthalene  
 Concen: 11.63 ug/l  
 RT: 15.14 min Scan# 4213  
 Delta R.T. 0.00 min  
 Lab File: VN050964.D  
 Acq: 30 Aug 2018 15:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CG-SOIL-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 14.3  | 10.5  | 15.7  |
| 129     | 11.2  | 8.7   | 13.1  |

