

Data File : VN055650.D  
Acq On : 18 May 2019 8:04  
Operator : JC/SP  
Sample : K2869-12  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 58 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
ROCKY-SOIL

Quant Time: May 20 02:18:53 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N051719W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 17 23:54:12 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 399726   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 566839   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 488836   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 207645   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 185009   | 42.22 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 84.44% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 173050   | 48.06 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.12% |      |
| 50) Toluene-d8              | 10.09  | 98  | 655414   | 48.14 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.28% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 221396   | 47.09 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.18% |      |

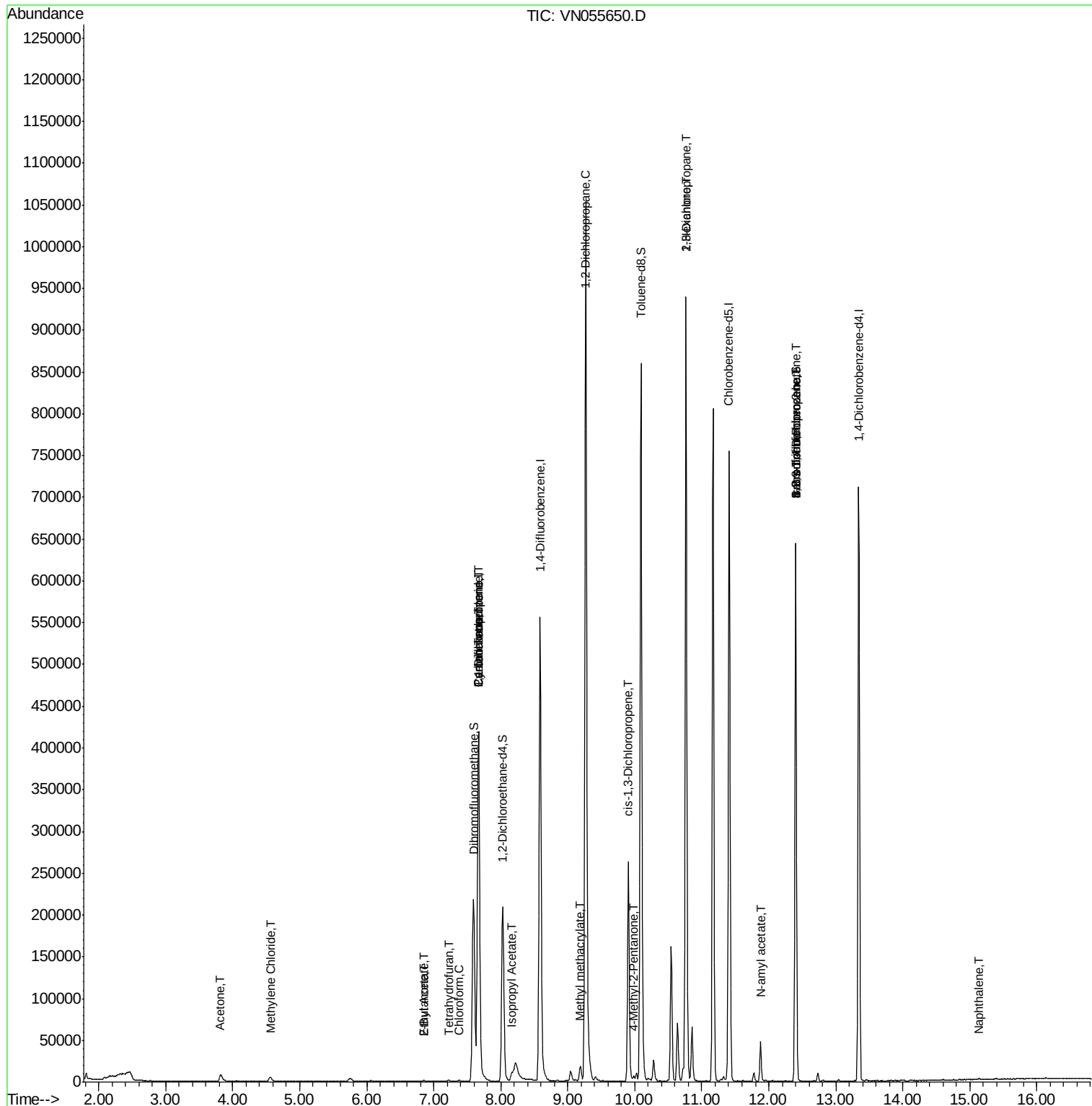
| Target Compounds               |       |     |        |           | Qvalue |     |
|--------------------------------|-------|-----|--------|-----------|--------|-----|
| 16) Acetone                    | 3.82  | 43  | 16428  | 9.187     | ug/l   | 92  |
| 20) Methylene Chloride         | 4.56  | 84  | 4577   | 1.122     | ug/l   | 93  |
| 25) 2-Butanone                 | 6.85  | 43  | 2256   | 0.902     | ug/l # | 86  |
| 29) Tetrahydrofuran            | 7.22  | 42  | 1026   | 0.619     | ug/l # | 91  |
| 30) Chloroform                 | 7.37  | 83  | 2061   | 0.293     | ug/l   | 96  |
| 31) Cyclohexane                | 7.67  | 56  | 5842   | 0.899     | ug/l # | 1   |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 23575  | 4.665     | ug/l # | 49  |
| 37) Ethyl Acetate              | 6.85  | 43  | 2256   | 0.495     | ug/l # | 67  |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 33404  | 6.185     | ug/l # | 15  |
| 43) Isopropyl Acetate          | 8.17  | 43  | 10858  | 1.369     | ug/l   | 97  |
| 45) 1,2-Dichloropropane        | 9.27  | 63  | 1337   | 0.341     | ug/l # | 43  |
| 48) Methyl methacrylate        | 9.18  | 41  | 5944   | 1.676     | ug/l # | 11  |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43  | 3843   | 0.826     | ug/l   | 93  |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75  | 54525  | 8.609     | ug/l # | 58  |
| 57) 1,3-Dichloropropane        | 10.76 | 76  | 10612  | 1.746     | ug/l # | 42  |
| 59) 2-Hexanone                 | 10.76 | 43  | 138535 | 42.287    | ug/l # | 50  |
| 71) Bromoform                  | 12.40 | 173 | 1356   | 0.402     | ug/l # | 1   |
| 73) Isopropylbenzene           | 12.25 | 105 | 173    | Below Cal | #      | 48  |
| 74) N-amyl acetate             | 11.88 | 43  | 13887  | 2.382     | ug/l # | 53  |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 100913 | 23.817    | ug/l # | 100 |
| 79) 2-Chlorotoluene            | 12.68 | 91  | 91     | Below Cal | #      | 39  |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105 | 4987   | Below Cal |        | 96  |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 100913 | 61.223    | ug/l # | 17  |
| 83) tert-Butylbenzene          | 13.04 | 119 | 127    | Below Cal | #      | 28  |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105 | 1721   | Below Cal |        | 87  |
| 85) sec-Butylbenzene           | 13.17 | 105 | 220    | Below Cal | #      | 56  |
| 86) p-Isopropyltoluene         | 13.29 | 119 | 317    | Below Cal | #      | 51  |
| 95) Naphthalene                | 15.14 | 128 | 1527   | 1.901     | ug/l # | 82  |

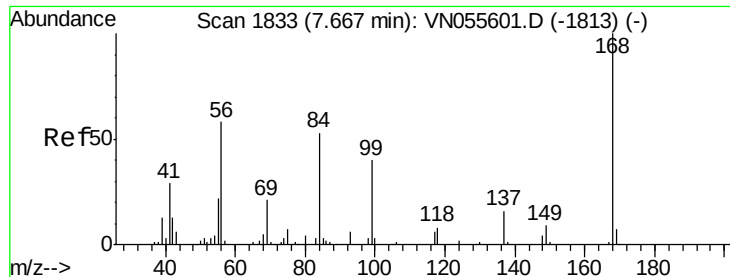
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055650.D

Acq: 18 May 2019 8:04

Instrument :

MSVOA\_N

ClientSampleId :

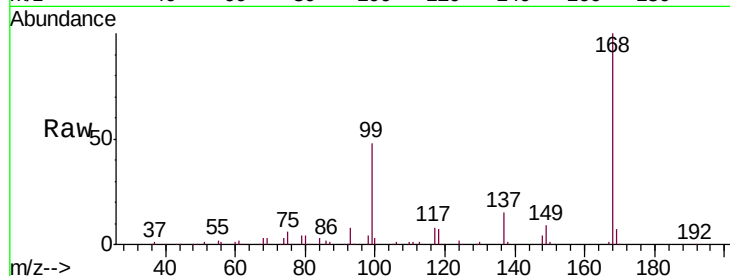
ROCKY-SOIL

Tgt Ion:168 Resp: 399726

Ion Ratio Lower Upper

168 100

99 47.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN055650.D

Ion 98.90 (98.60 to 99.60): VN055650.D

7.67

150000

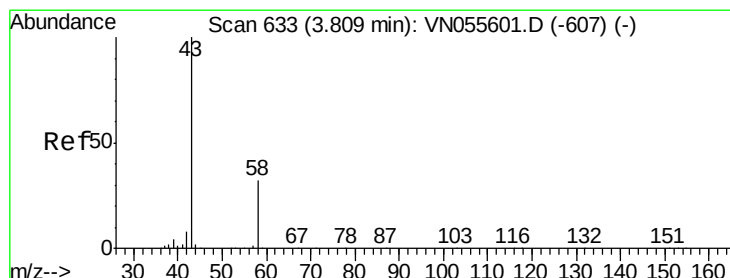
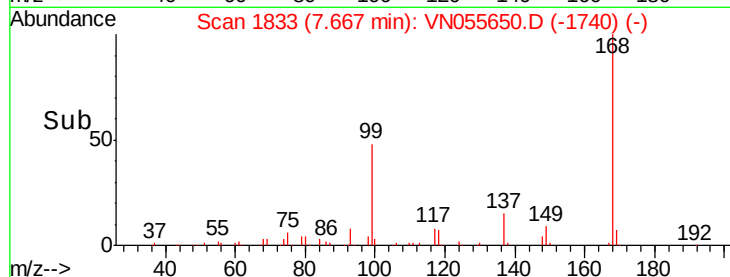
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 9.187 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN055650.D

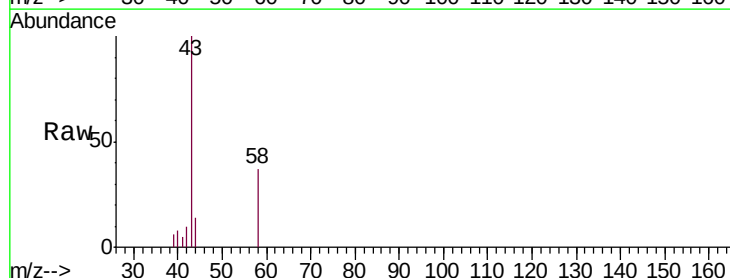
Acq: 18 May 2019 8:04

Tgt Ion: 43 Resp: 16428

Ion Ratio Lower Upper

43 100

58 37.0 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN055650.D

Ion 58.00 (57.70 to 58.70): VN055650.D

3.82

5000

4000

3000

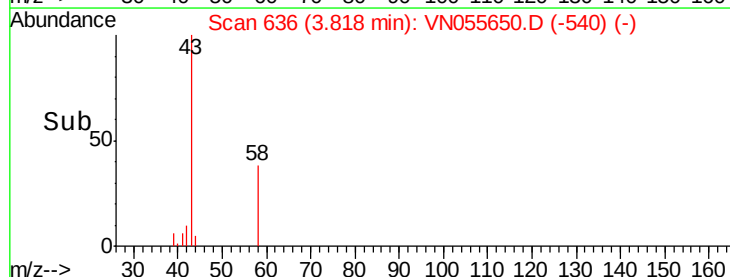
2000

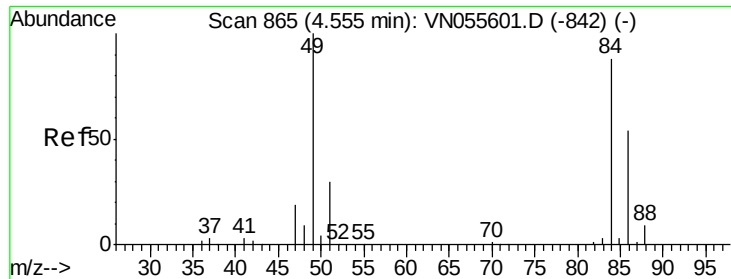
1000

0

3.70 3.80 3.90

Time-->





#20

Methylene Chloride

Concen: 1.122 ug/l

RT: 4.56 min Scan# 868

Delta R.T. 0.01 min

Lab File: VN055650.D

Acq: 18 May 2019 8:04

Instrument :

MSVOA\_N

ClientSampled :

ROCKY-SOIL

Tgt Ion: 84 Resp: 4577

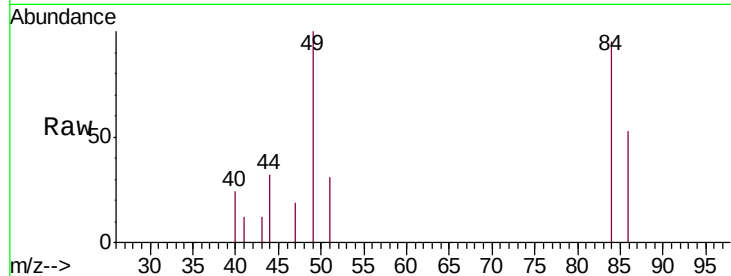
Ion Ratio Lower Upper

84 100

49 105.6 91.0 136.4

51 32.3 27.5 41.3

86 55.8 49.4 74.0

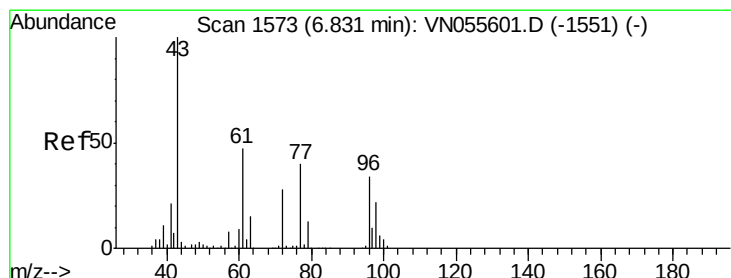
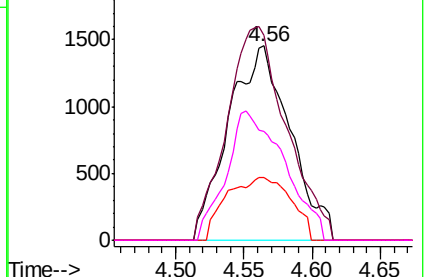
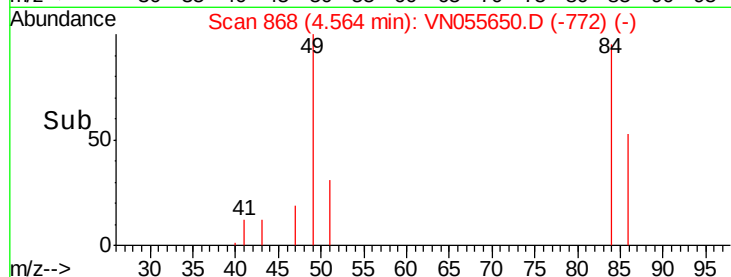


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.902 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.02 min

Lab File: VN055650.D

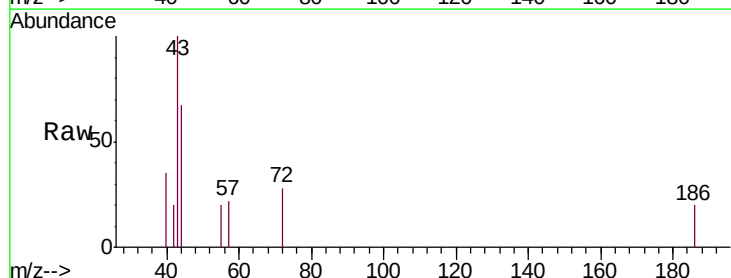
Acq: 18 May 2019 8:04

Tgt Ion: 43 Resp: 2256

Ion Ratio Lower Upper

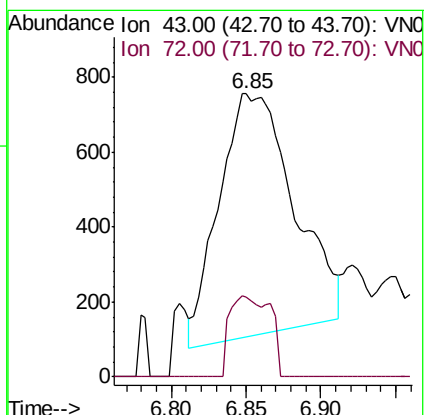
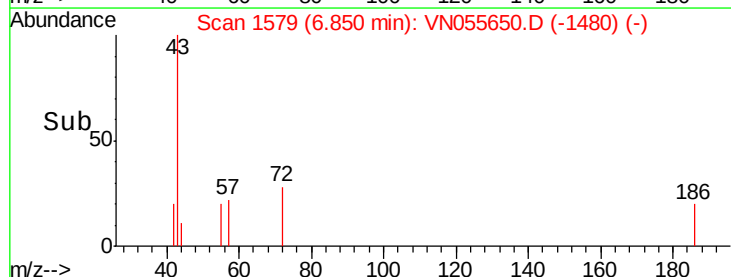
43 100

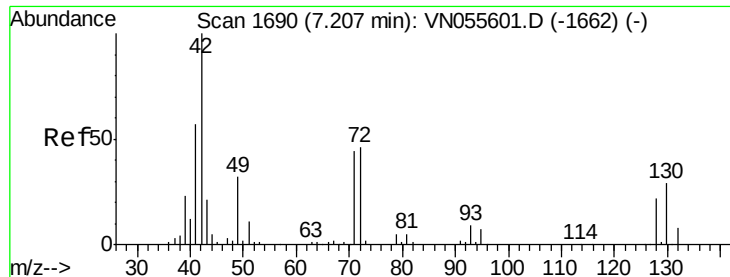
72 35.3 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.619 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN055650.D

Acq: 18 May 2019 8:04

Instrument :

MSVOA\_N

ClientSampled :

ROCKY-SOIL

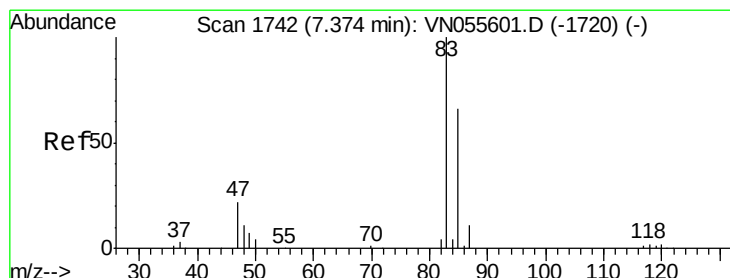
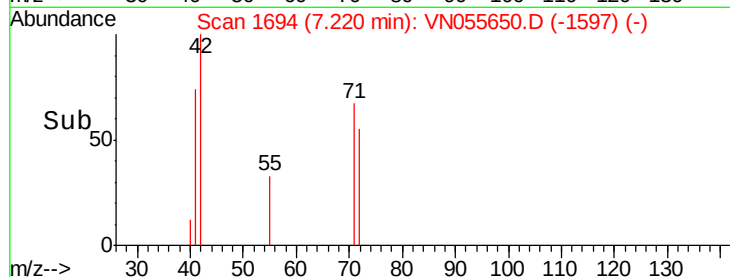
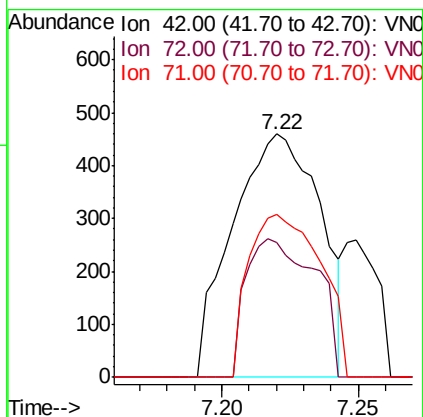
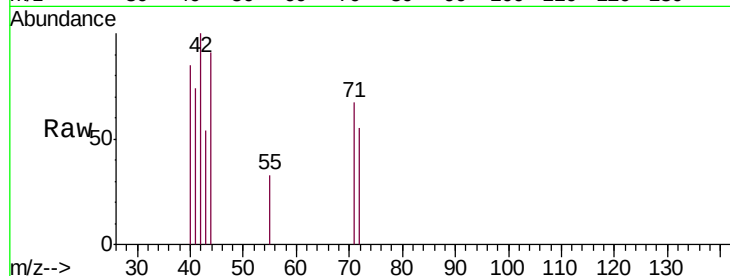
Tgt Ion: 42 Resp: 1026

Ion Ratio Lower Upper

42 100

72 44.8 36.5 54.7

71 55.1 34.9 52.3#



#30

Chloroform

Concen: 0.293 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN055650.D

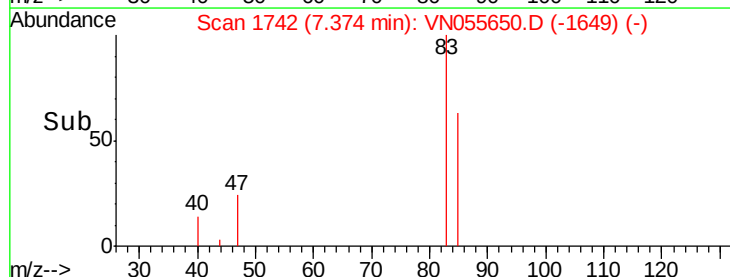
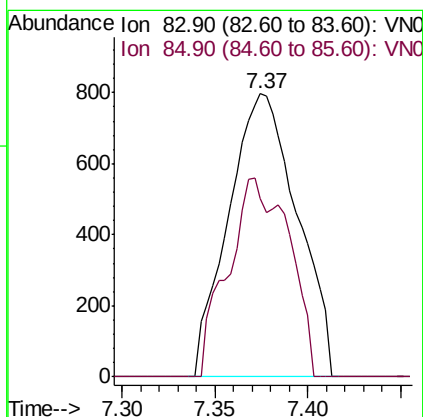
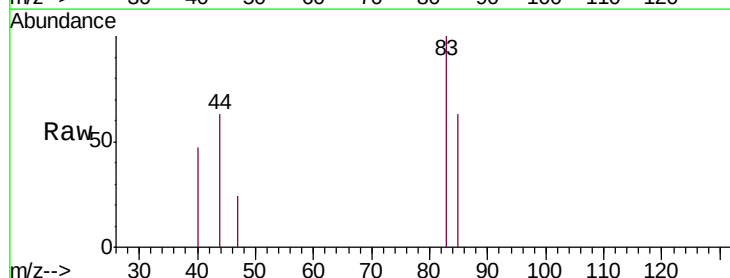
Acq: 18 May 2019 8:04

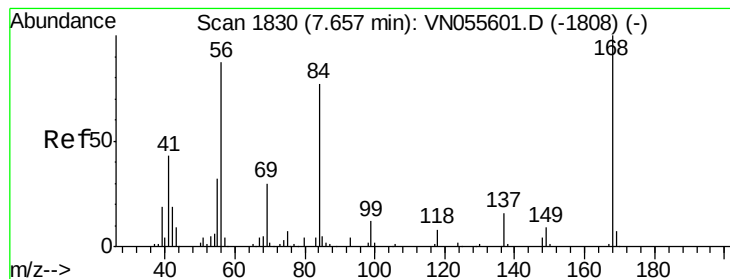
Tgt Ion: 83 Resp: 2061

Ion Ratio Lower Upper

83 100

85 62.9 52.6 78.8





#31

Cyclohexane

Concen: 0.899 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN055650.D

Acq: 18 May 2019 8:04

Instrument :

MSVOA\_N

ClientSampled :

ROCKY-SOIL

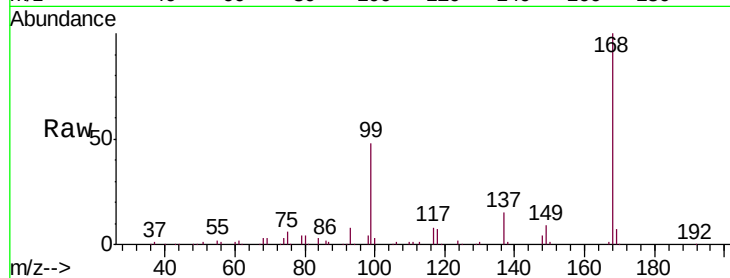
Tgt Ion: 56 Resp: 5842

Ion Ratio Lower Upper

56 100

69 198.5 27.2 40.8#

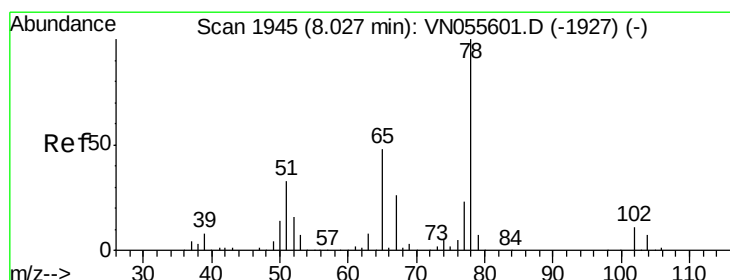
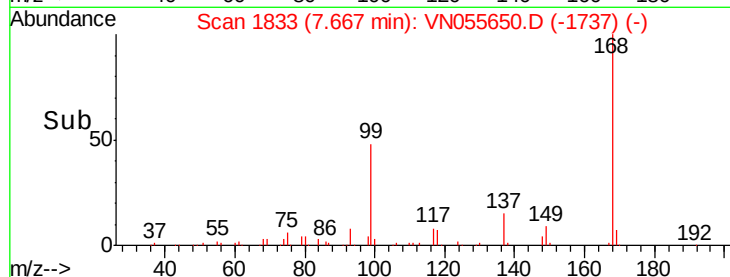
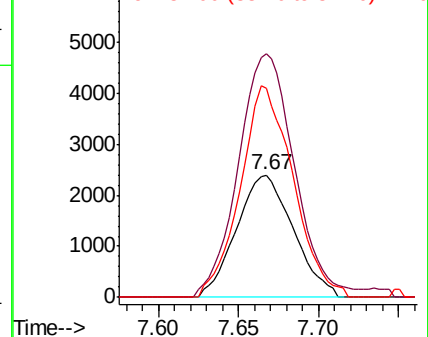
84 170.9 71.3 106.9#



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: 42.222 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN055650.D

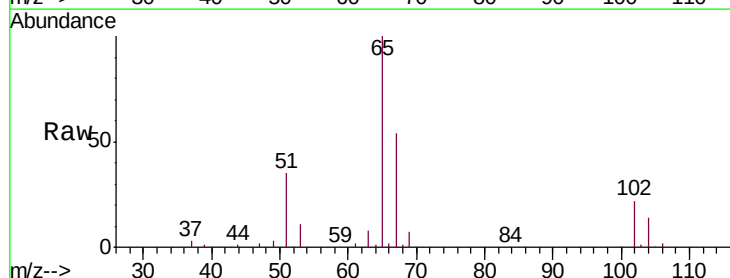
Acq: 18 May 2019 8:04

Tgt Ion: 65 Resp: 185009

Ion Ratio Lower Upper

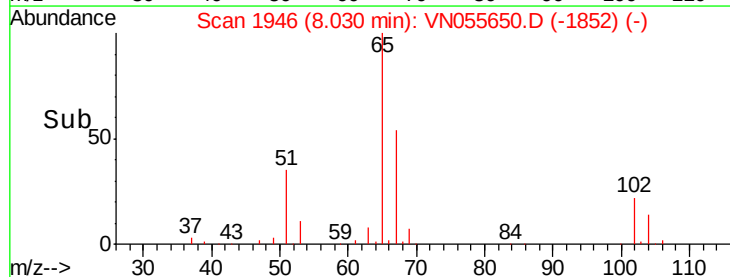
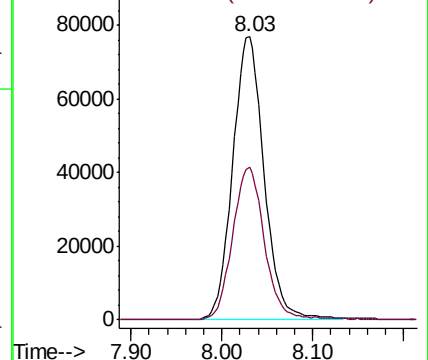
65 100

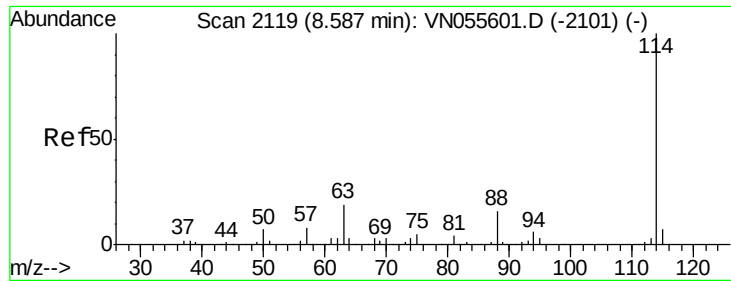
67 54.4 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

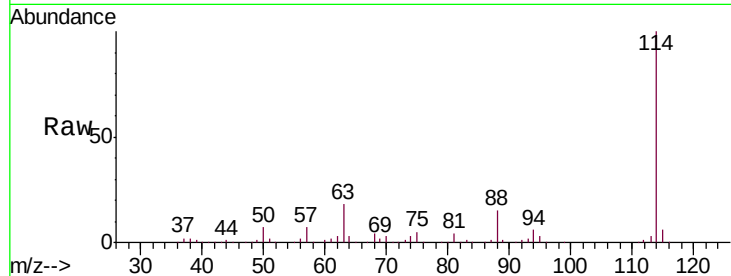




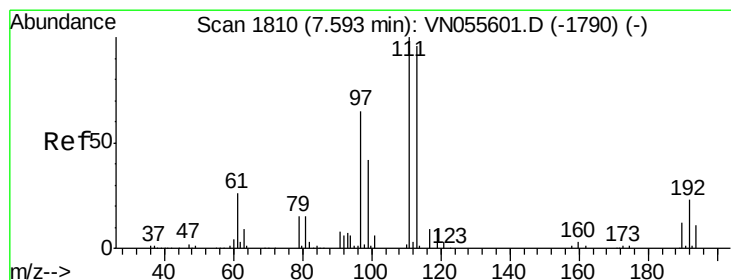
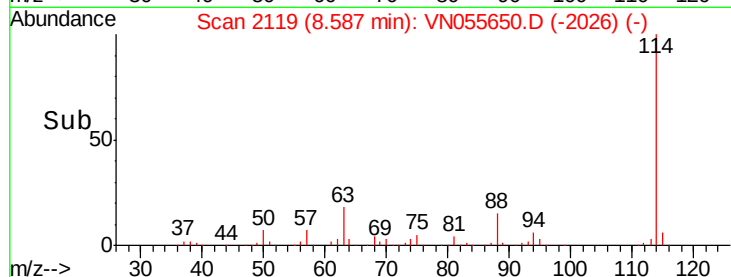
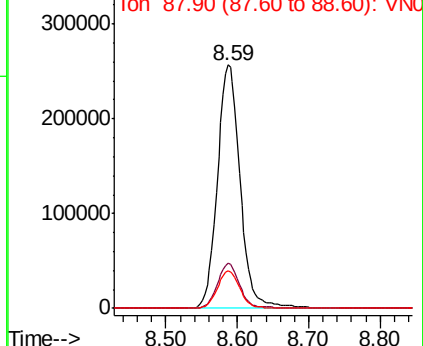
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN055650.D  
 Acq: 18 May 2019 8:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ROCKY-SOIL

Tgt Ion:114 Resp: 566839  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 0.0 38.2  
 88 15.4 0.0 31.0

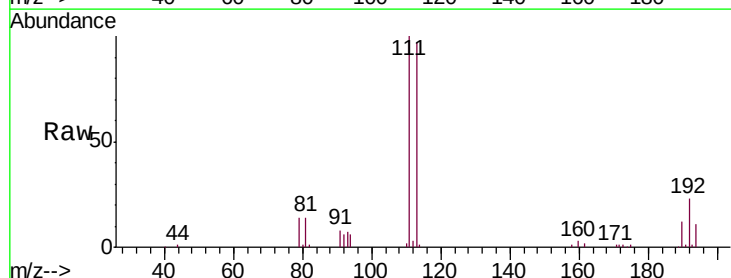


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

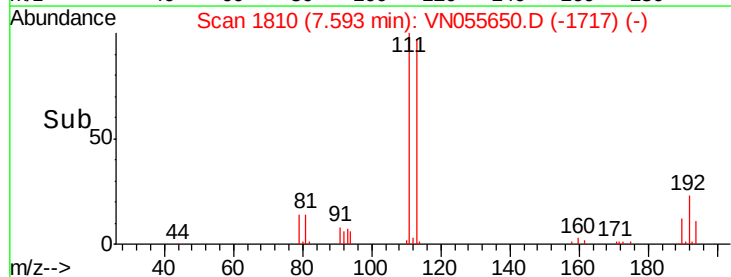
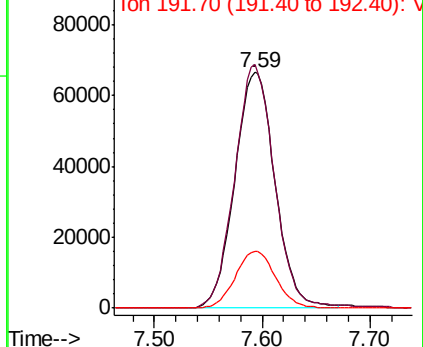


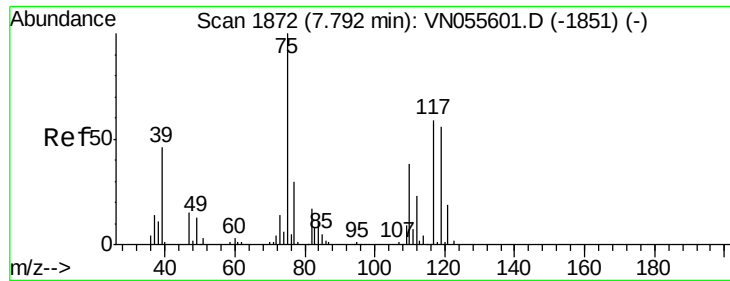
#35  
 Dibromofluoromethane  
 Concen: 48.059 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. -0.00 min  
 Lab File: VN055650.D  
 Acq: 18 May 2019 8:04

Tgt Ion:113 Resp: 173050  
 Ion Ratio Lower Upper  
 113 100  
 111 102.5 82.5 123.7  
 192 24.1 18.7 28.1



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

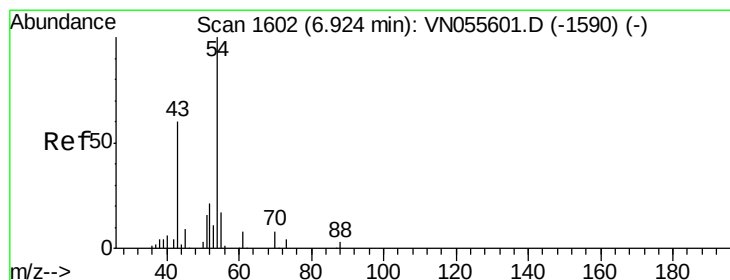
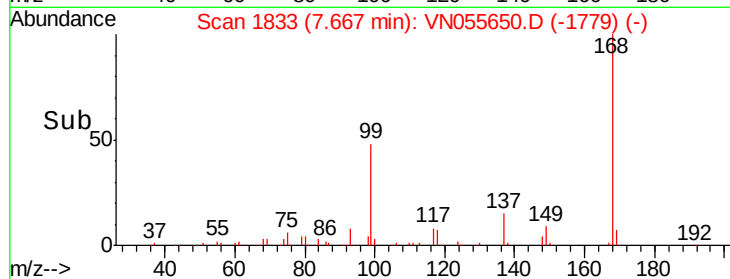
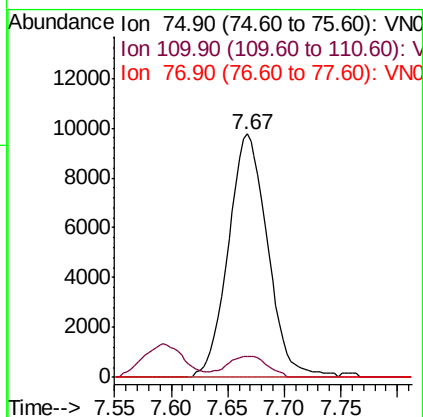
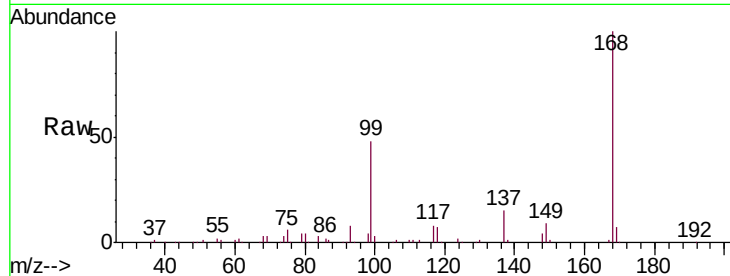




#36  
 1,1-Dichloropropene  
 Concen: 4.665 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.13 min  
 Lab File: VN055650.D  
 Acq: 18 May 2019 8:04

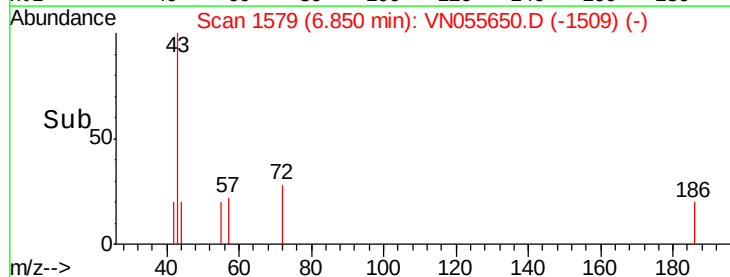
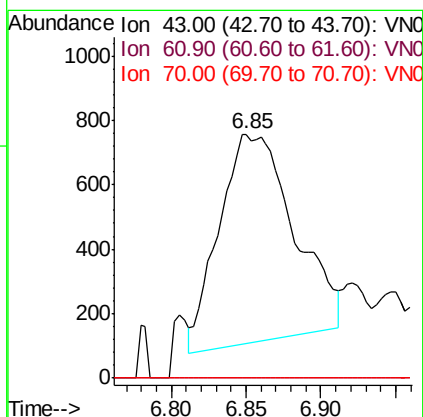
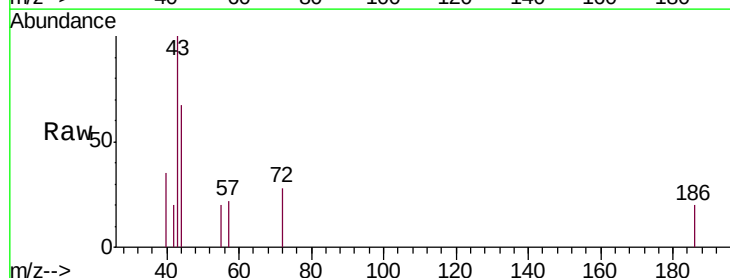
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 ROCKY-SOIL

Tgt Ion: 75 Resp: 23575  
 Ion Ratio Lower Upper  
 75 100  
 110 9.2 18.6 55.6#  
 77 0.0 24.9 37.3#

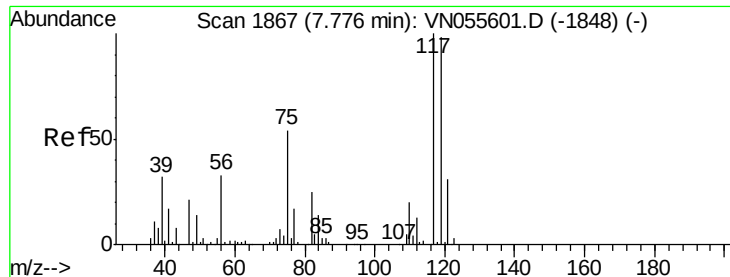


#37  
 Ethyl Acetate  
 Concen: 0.495 ug/l  
 RT: 6.85 min Scan# 1579  
 Delta R.T. -0.07 min  
 Lab File: VN055650.D  
 Acq: 18 May 2019 8:04

Tgt Ion: 43 Resp: 2256  
 Ion Ratio Lower Upper  
 43 100  
 61 0.0 11.4 17.0#  
 70 0.0 9.2 13.8#







#38

Carbon Tetrachloride

Concen: 6.185 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055650.D

Acq: 18 May 2019 8:04

Instrument :

MSVOA\_N

ClientSampled :

ROCKY-SOIL

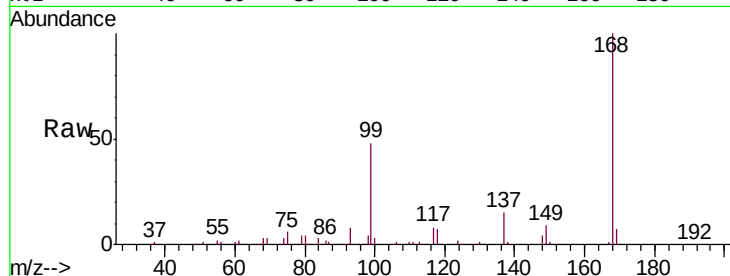
Tgt Ion:117 Resp: 33404

Ion Ratio Lower Upper

117 100

119 4.6 77.8 116.8#

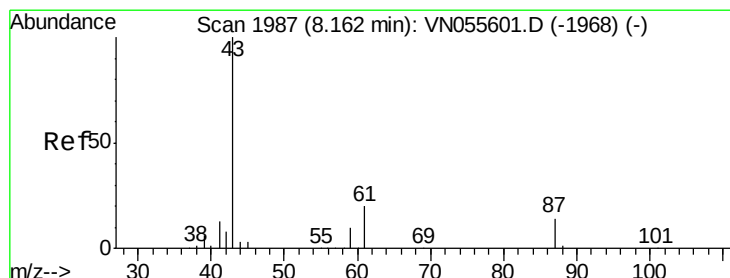
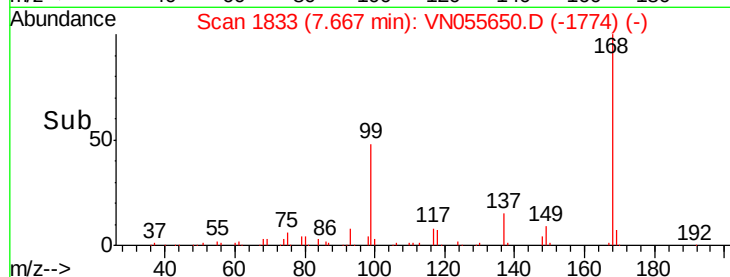
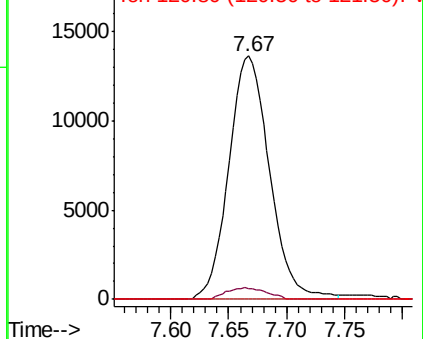
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 1.369 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055650.D

Acq: 18 May 2019 8:04

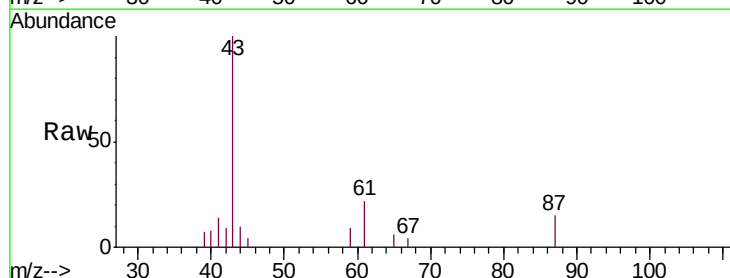
Tgt Ion: 43 Resp: 10858

Ion Ratio Lower Upper

43 100

61 28.7 22.1 33.1

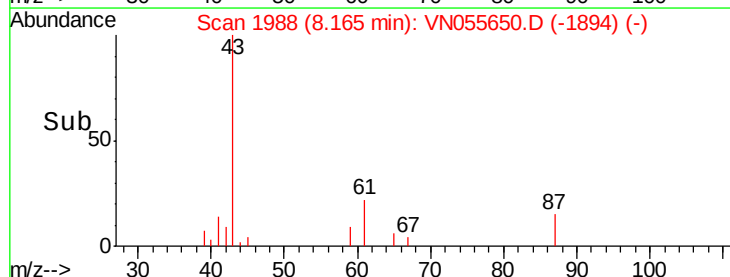
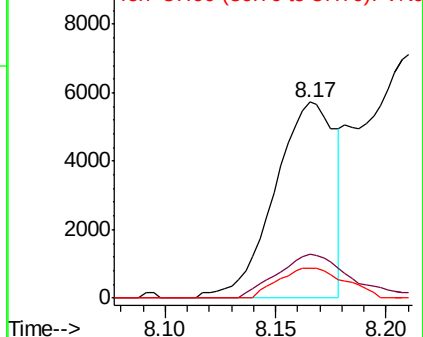
87 16.8 11.8 17.6

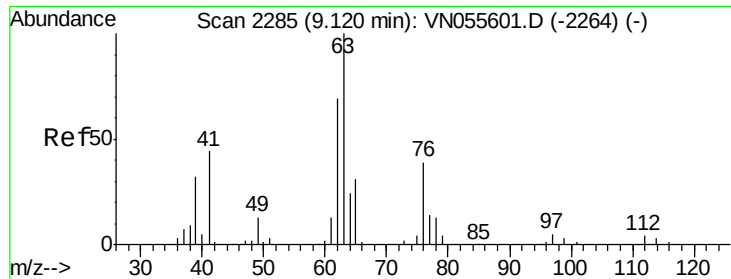


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

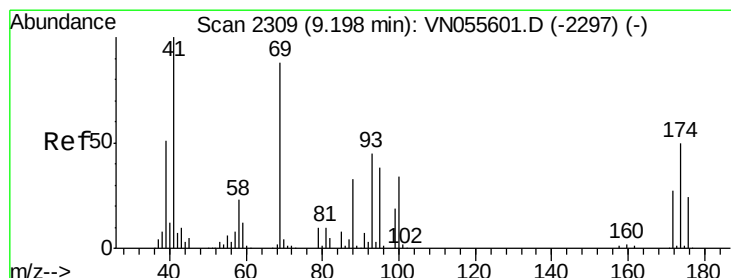
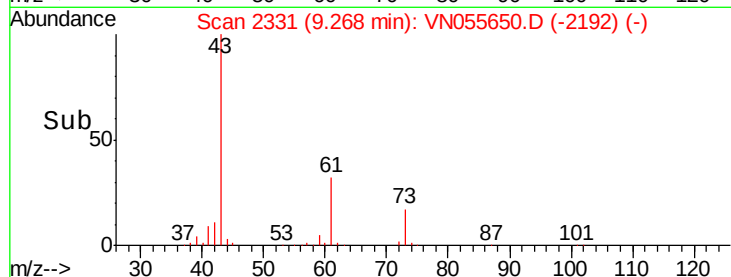
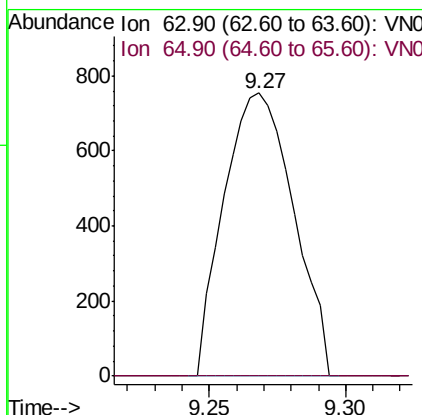
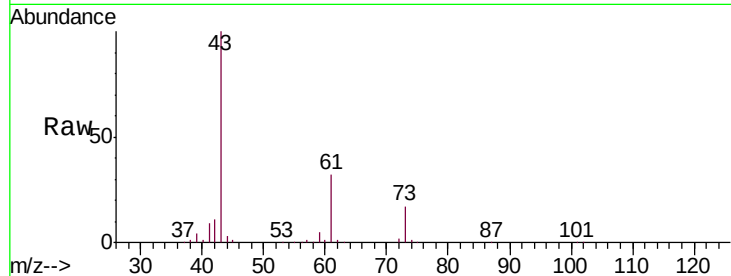




#45  
 1,2-Dichloropropane  
 Concen: 0.341 ug/l  
 RT: 9.27 min Scan# 2331  
 Delta R.T. 0.15 min  
 Lab File: VN055650.D  
 Acq: 18 May 2019 8:04

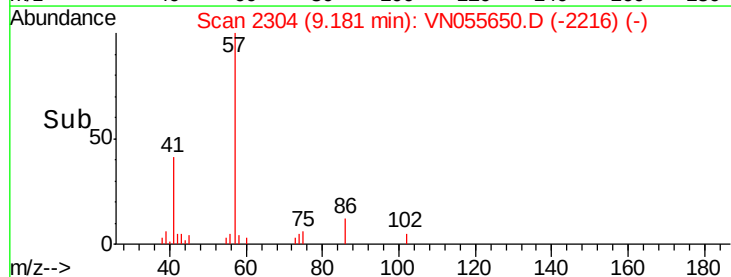
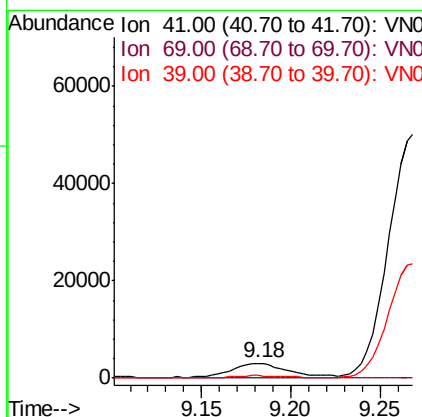
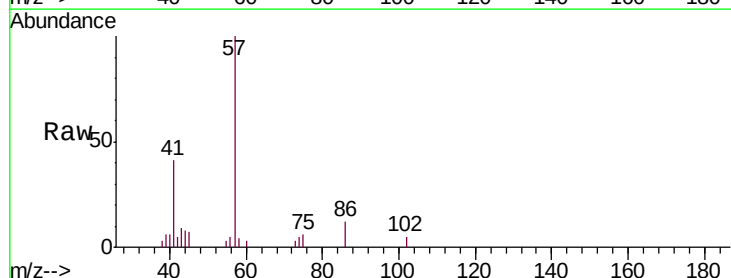
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ROCKY-SOIL

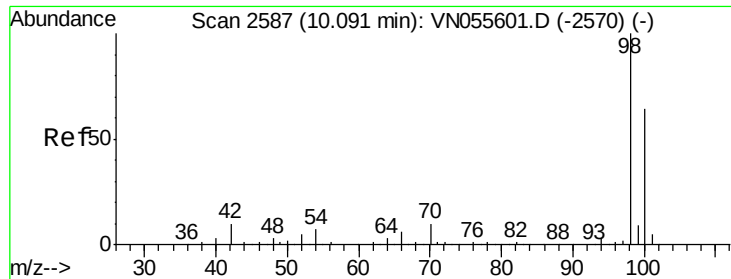
Tgt Ion: 63 Resp: 1337  
 Ion Ratio Lower Upper  
 63 100  
 65 0.0 25.2 37.8#



#48  
 Methyl methacrylate  
 Concen: 1.676 ug/l  
 RT: 9.18 min Scan# 2304  
 Delta R.T. -0.02 min  
 Lab File: VN055650.D  
 Acq: 18 May 2019 8:04

Tgt Ion: 41 Resp: 5944  
 Ion Ratio Lower Upper  
 41 100  
 69 0.0 74.2 111.2#  
 39 0.0 43.8 65.8#





#50

Toluene-d8

Concen: 48.139 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055650.D

Acq: 18 May 2019 8:04

Instrument :

MSVOA\_N

ClientSampleId :

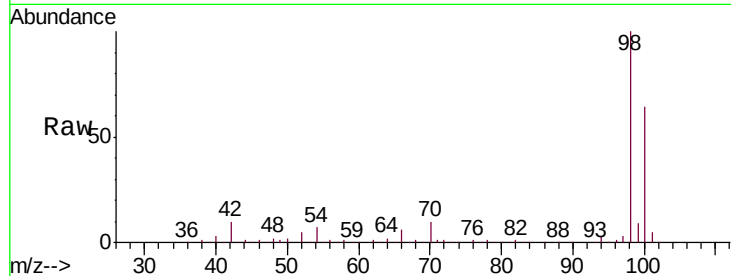
ROCKY-SOIL

Tgt Ion: 98 Resp: 655414

Ion Ratio Lower Upper

98 100

100 64.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055650.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055650.D (-2494) (-)

10.09

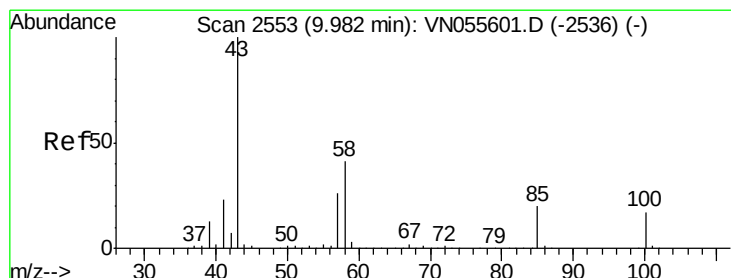
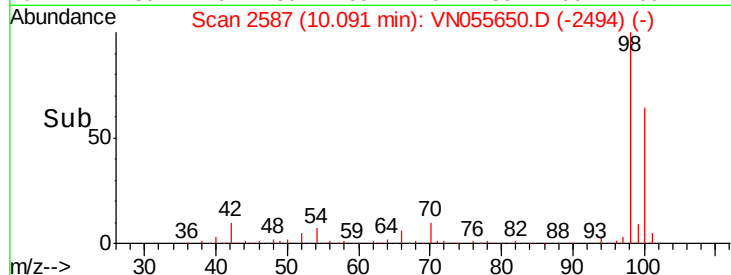
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.826 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055650.D

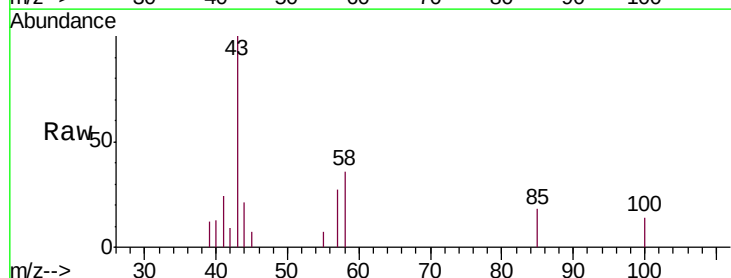
Acq: 18 May 2019 8:04

Tgt Ion: 43 Resp: 3843

Ion Ratio Lower Upper

43 100

58 45.6 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN055650.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN055650.D (-2460) (-)

5000

4000

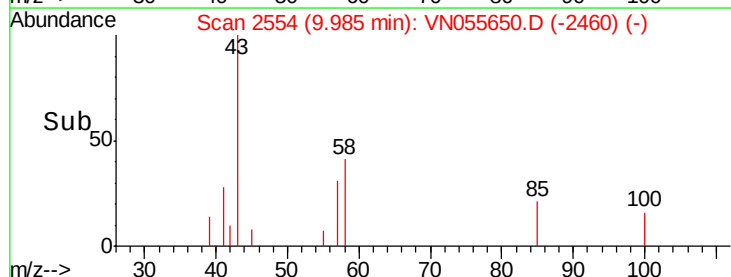
3000

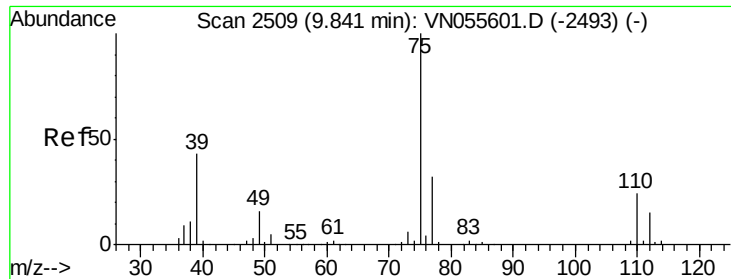
2000

1000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 8.609 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN055650.D

Acq: 18 May 2019 8:04

Instrument :

MSVOA\_N

ClientSampleId :

ROCKY-SOIL

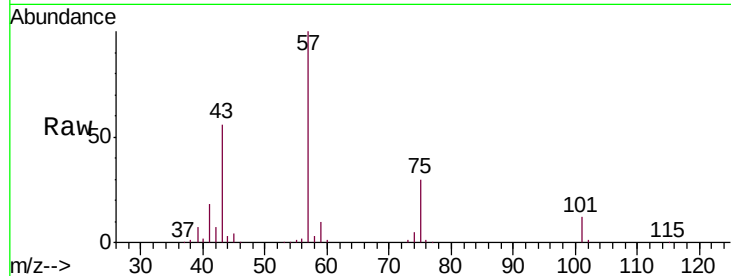
Tgt Ion: 75 Resp: 54525

Ion Ratio Lower Upper

75 100

77 0.5 25.7 38.5#

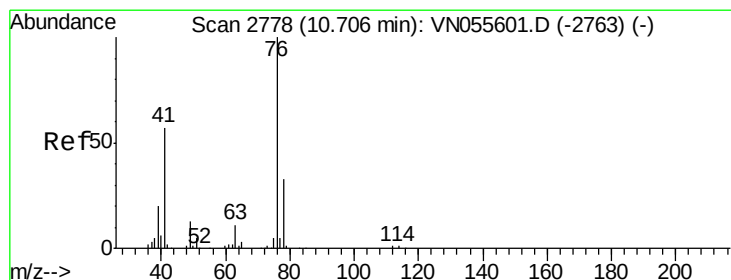
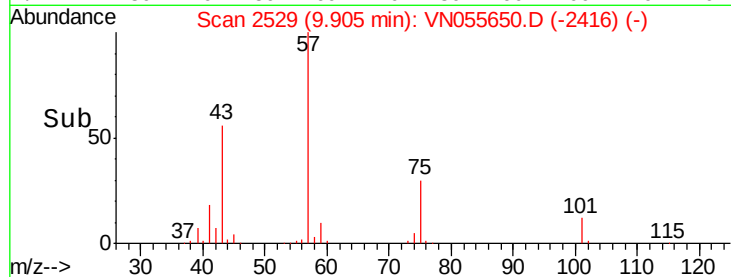
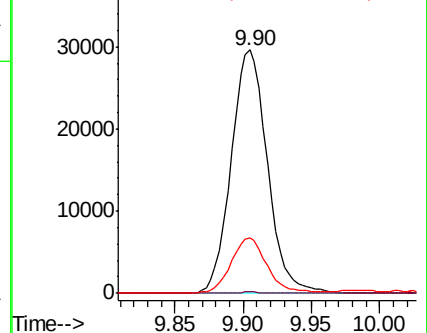
39 22.9 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.746 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN055650.D

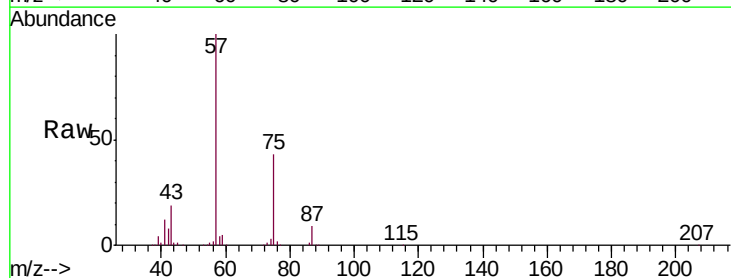
Acq: 18 May 2019 8:04

Tgt Ion: 76 Resp: 10612

Ion Ratio Lower Upper

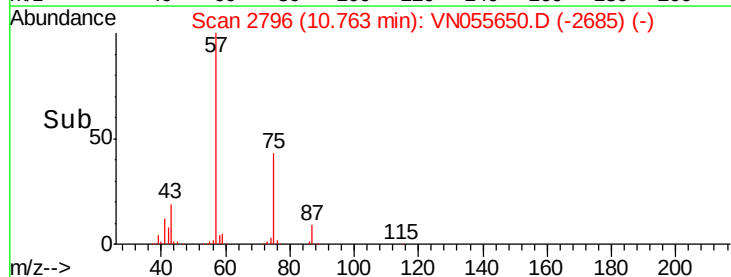
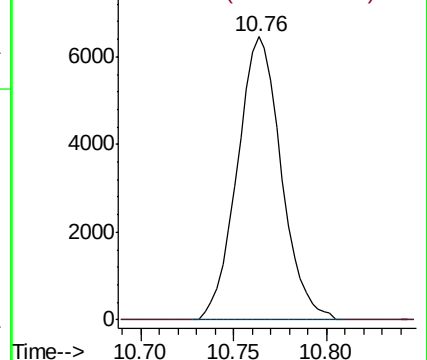
76 100

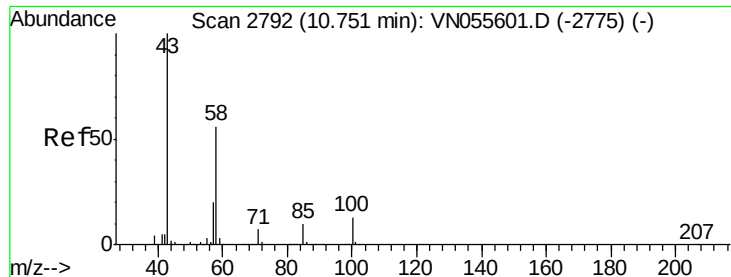
78 0.0 26.5 39.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

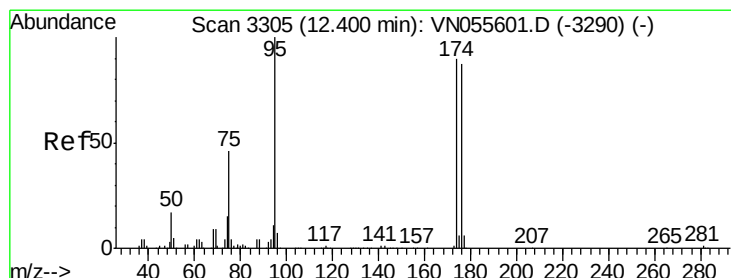
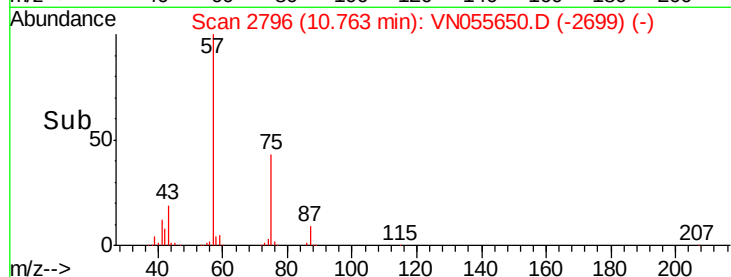
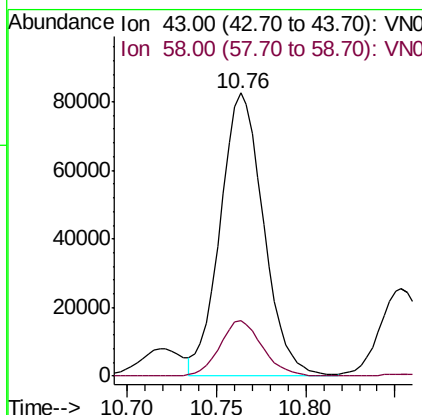
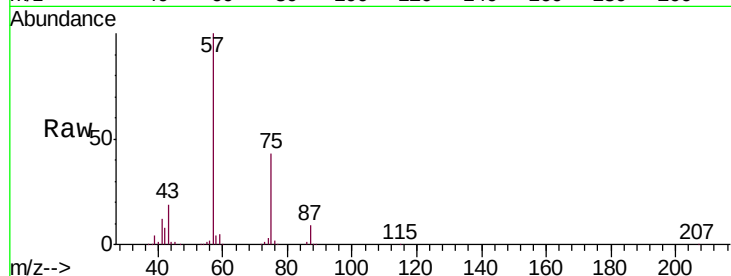




#59  
2-Hexanone  
Concen: 42.287 ug/l  
RT: 10.76 min Scan# 2796  
Delta R.T. 0.01 min  
Lab File: VN055650.D  
Acq: 18 May 2019 8:04

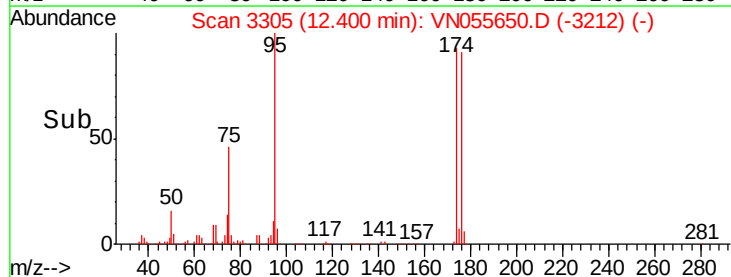
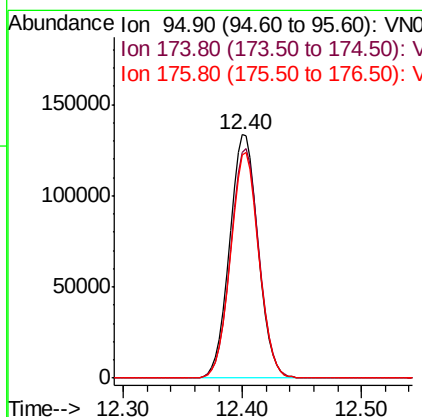
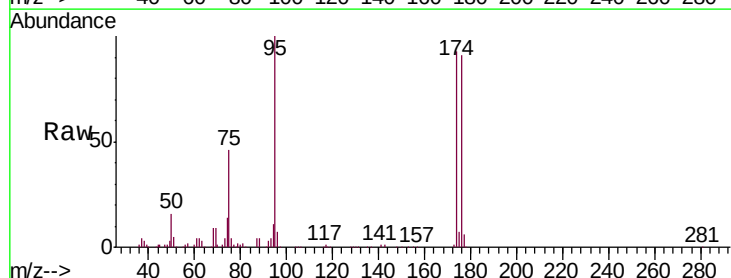
Instrument :  
MSVOA\_N  
ClientSampled :  
ROCKY-SOIL

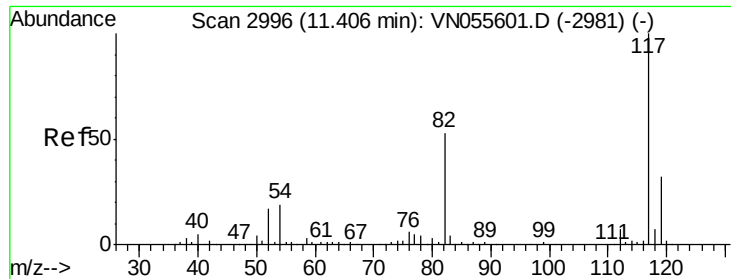
Tgt Ion: 43 Resp: 138535  
Ion Ratio Lower Upper  
43 100  
58 19.4 28.1 84.4#



#62  
4-Bromofluorobenzene  
Concen: 47.090 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN055650.D  
Acq: 18 May 2019 8:04

Tgt Ion: 95 Resp: 221396  
Ion Ratio Lower Upper  
95 100  
174 93.8 0.0 180.6  
176 91.6 0.0 177.4

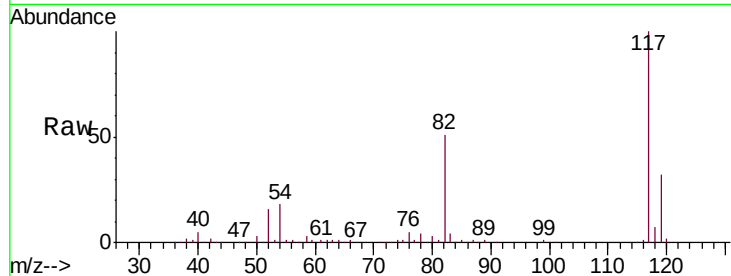




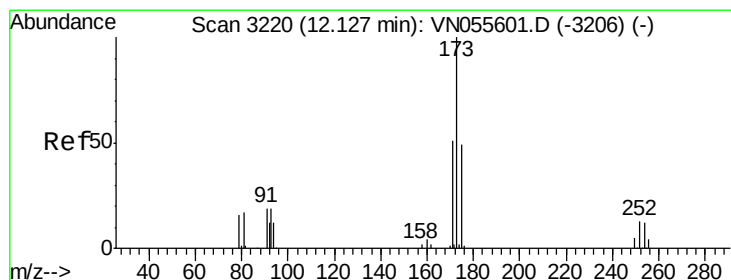
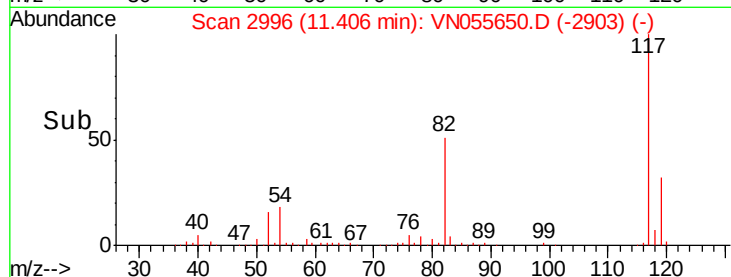
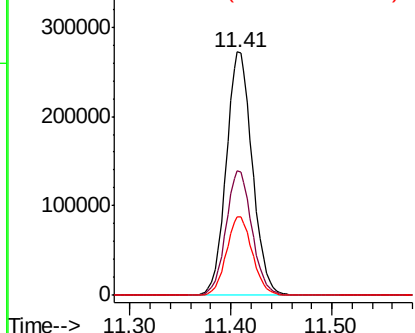
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN055650.D  
Acq: 18 May 2019 8:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
ROCKY-SOIL

Tgt Ion:117 Resp: 488836  
Ion Ratio Lower Upper  
117 100  
82 50.9 42.3 63.5  
119 32.2 25.4 38.2

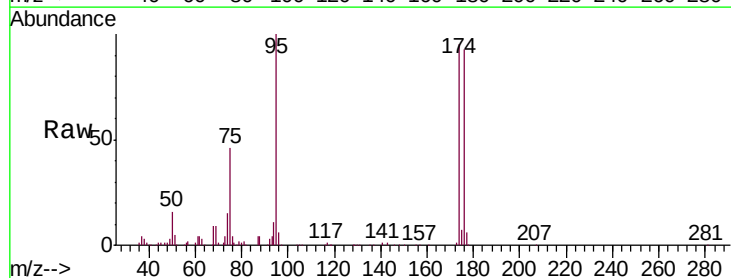


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

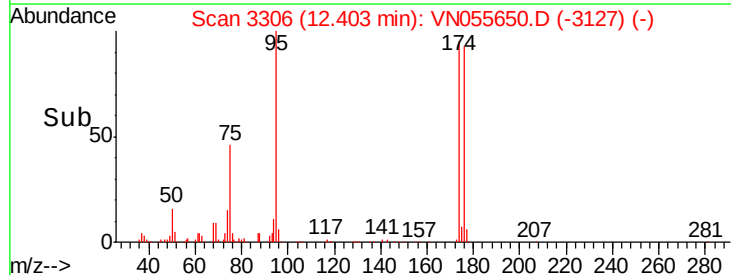
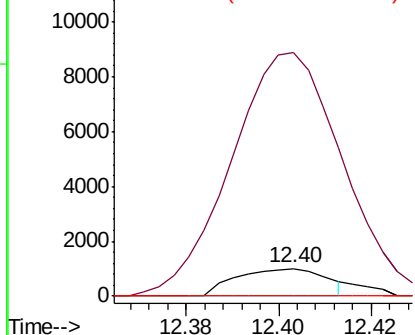


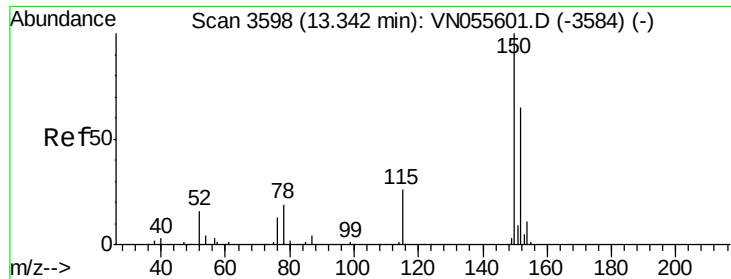
#71  
Bromoform  
Concen: 0.402 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.28 min  
Lab File: VN055650.D  
Acq: 18 May 2019 8:04

Tgt Ion:173 Resp: 1356  
Ion Ratio Lower Upper  
173 100  
175 953.8 24.3 72.9#  
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



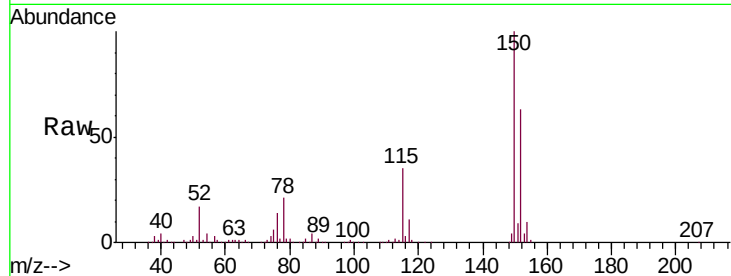


#72

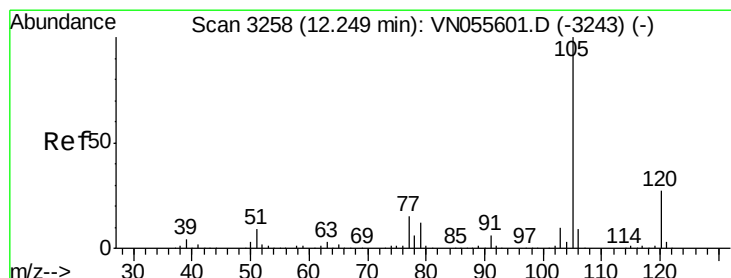
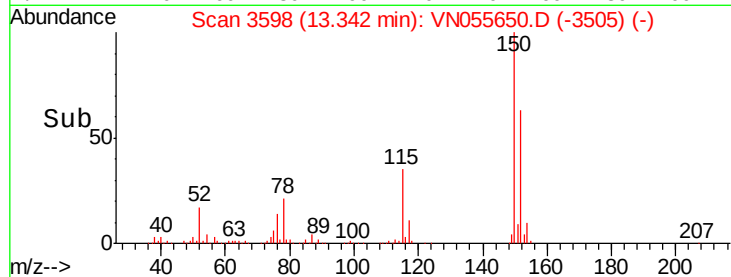
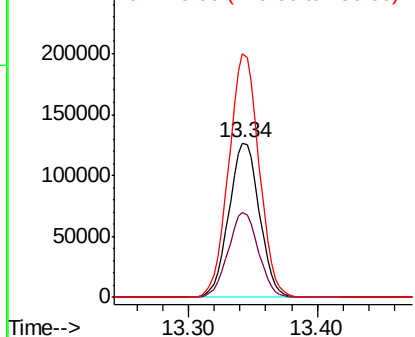
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN055650.D  
Acq: 18 May 2019 8:04

Instrument :  
MSVOA\_N  
ClientSampled :  
ROCKY-SOIL

Tgt Ion:152 Resp: 207645  
Ion Ratio Lower Upper  
152 100  
115 54.7 28.1 84.2  
150 156.8 0.0 348.0



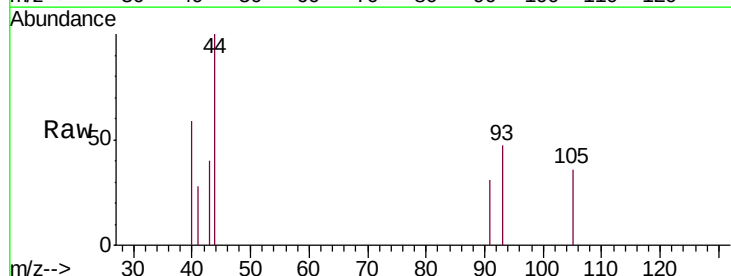
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



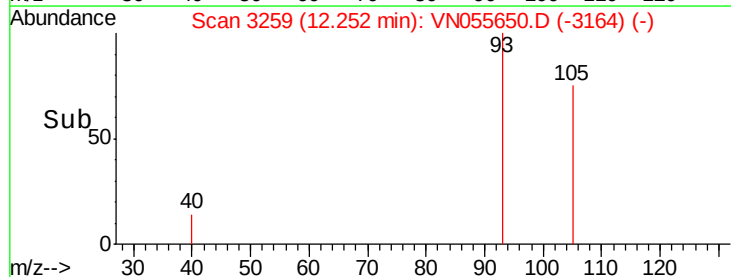
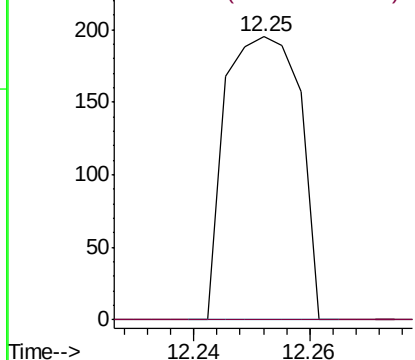
#73

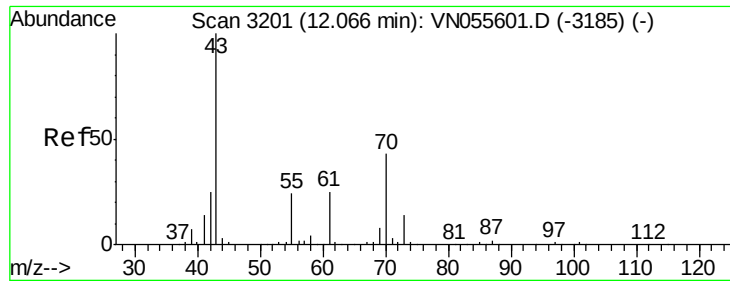
Isopropylbenzene  
Concen: Below Cal  
RT: 12.25 min Scan# 3259  
Delta R.T. 0.00 min  
Lab File: VN055650.D  
Acq: 18 May 2019 8:04

Tgt Ion:105 Resp: 173  
Ion Ratio Lower Upper  
105 100  
120 0.0 13.4 40.2#



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V

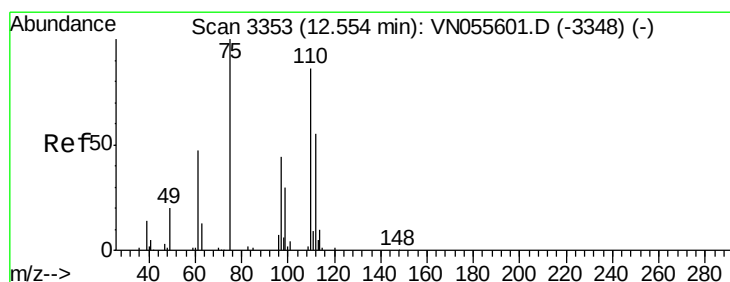
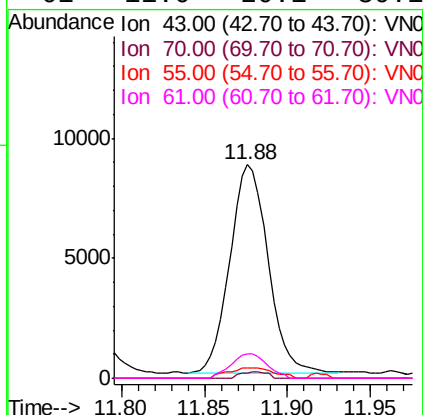
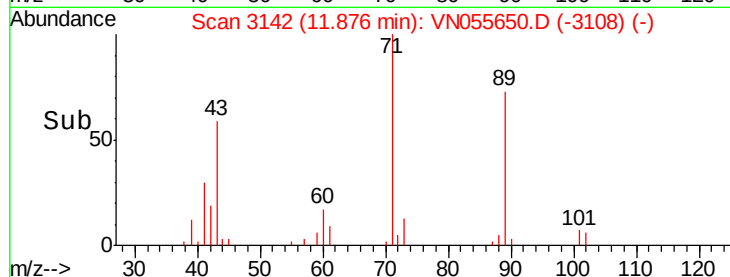
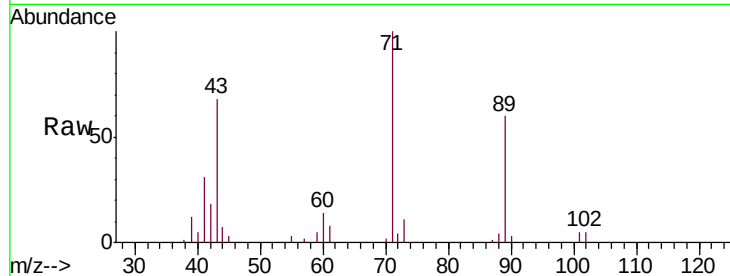




#74  
N-ethyl acetate  
Concen: 2.382 ug/l  
RT: 11.88 min Scan# 3142  
Delta R.T. -0.19 min  
Lab File: VN055650.D  
Acq: 18 May 2019 8:04

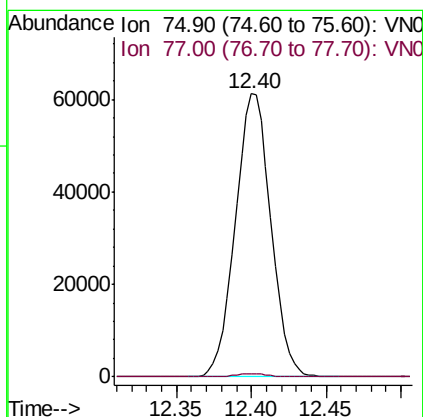
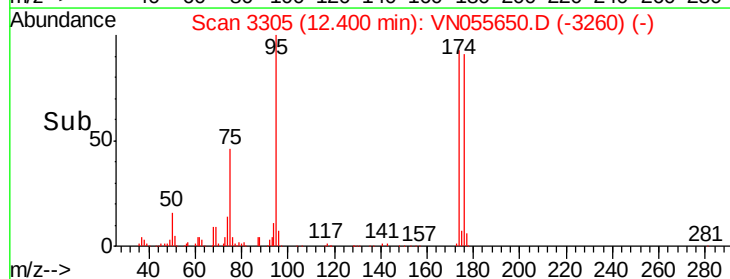
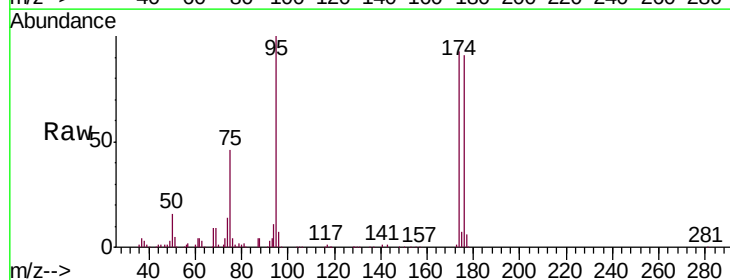
Instrument :  
MSVOA\_N  
ClientSampled :  
ROCKY-SOIL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 13887 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 2.1   | 35.0  | 52.6# |
| 55       | 6.1   | 18.9  | 28.3# |
| 61       | 11.0  | 20.1  | 30.1# |

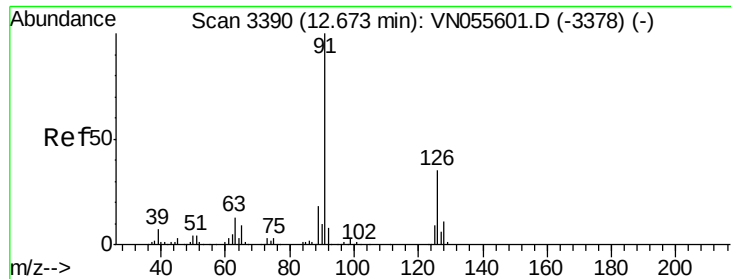


#76  
1,2,3-Trichloropropane  
Concen: 23.817 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.15 min  
Lab File: VN055650.D  
Acq: 18 May 2019 8:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 100913 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 1.1   | 0.0   | 0.0#   |







#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VN055650.D

Acq: 18 May 2019 8:04

Instrument :

MSVOA\_N

ClientSampleId :

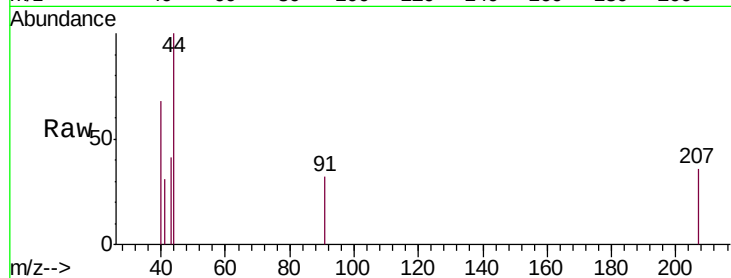
ROCKY-SOIL

Tgt Ion: 91 Resp: 91

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.4#



Abundance Ion 91.00 (90.70 to 91.70): VN055601.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055601.D (-3378) (-)

12.68

150

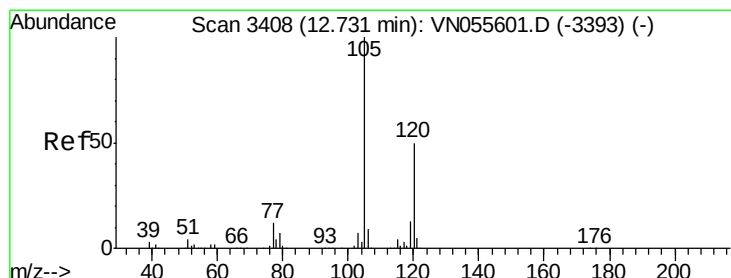
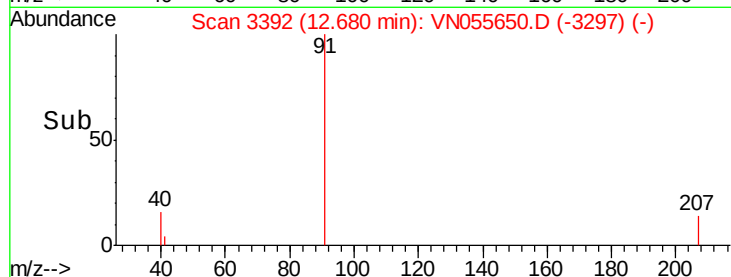
100

50

0

12.67 12.68 12.69

Time-->



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055650.D

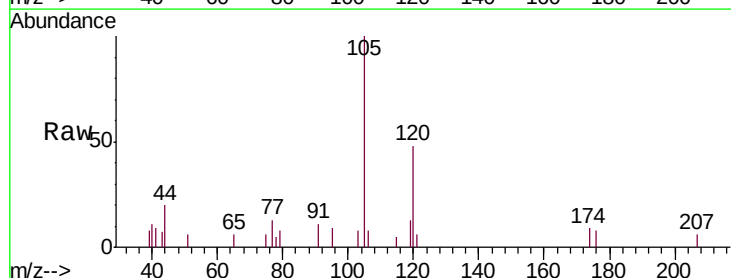
Acq: 18 May 2019 8:04

Tgt Ion: 105 Resp: 4987

Ion Ratio Lower Upper

105 100

120 51.9 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN055601.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055601.D (-3393) (-)

12.73

3000

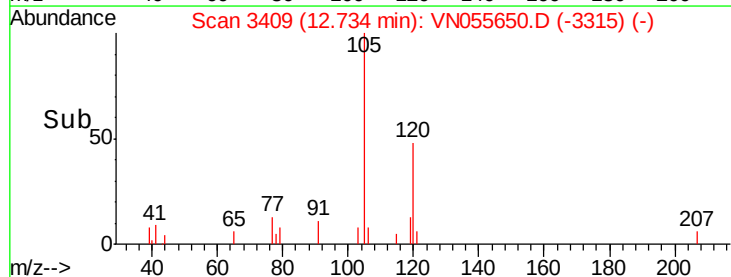
2000

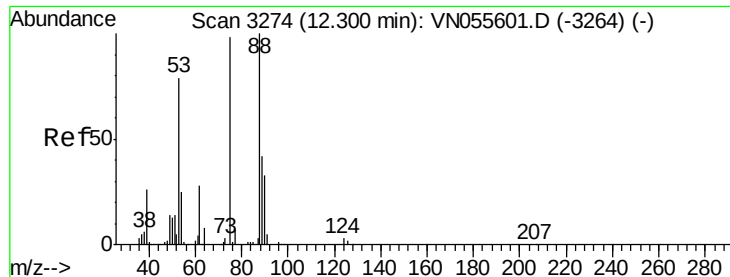
1000

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 61.223 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055650.D

Acq: 18 May 2019 8:04

Instrument :

MSVOA\_N

ClientSampled :

ROCKY-SOIL

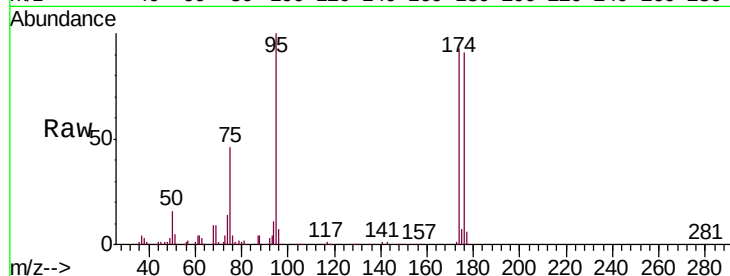
Tgt Ion: 75 Resp: 100913

Ion Ratio Lower Upper

75 100

53 0.0 65.1 97.7#

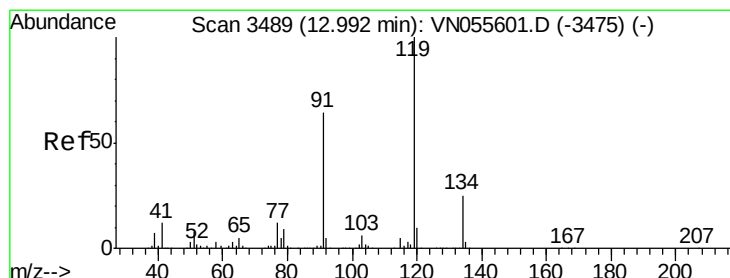
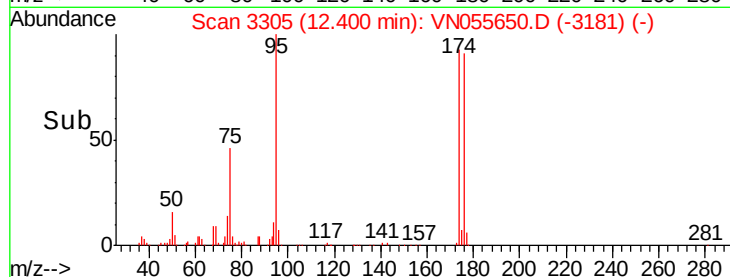
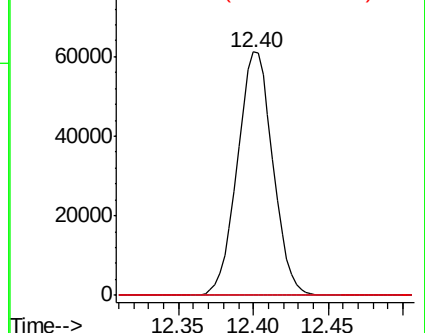
89 0.0 36.4 54.6#



Abundance Ion 74.90 (74.60 to 75.60): VN055650.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN055650.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN055650.D (-3305) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.04 min Scan# 3505

Delta R.T. 0.05 min

Lab File: VN055650.D

Acq: 18 May 2019 8:04

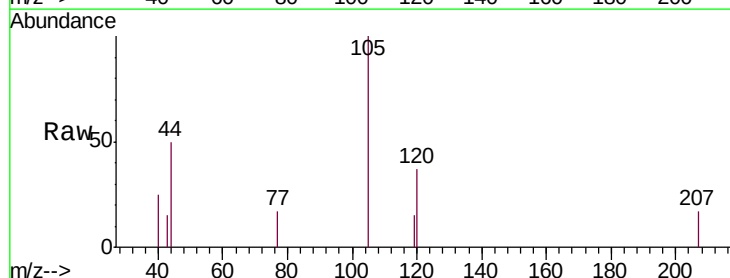
Tgt Ion: 119 Resp: 127

Ion Ratio Lower Upper

119 100

91 0.0 31.3 93.8#

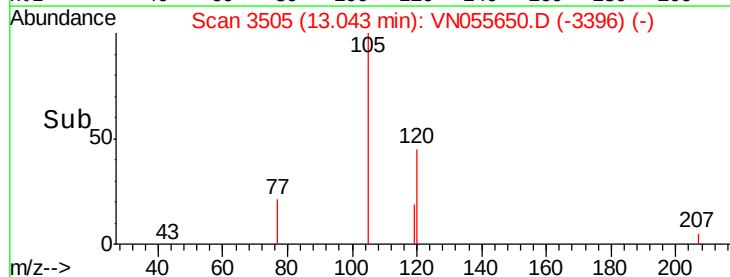
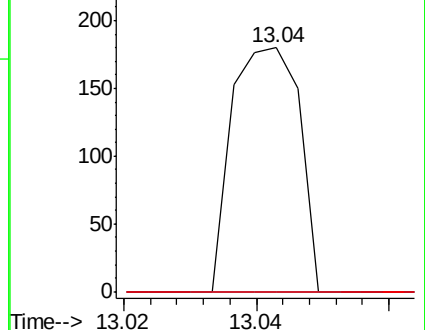
134 0.0 13.2 39.6#

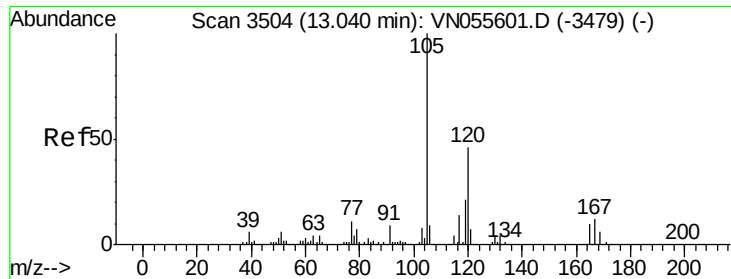


Abundance Ion 119.00 (118.70 to 119.70): VN055650.D (-3489) (-)

Ion 91.00 (90.70 to 91.70): VN055650.D (-3489) (-)

Ion 134.00 (133.70 to 134.70): VN055650.D (-3489) (-)

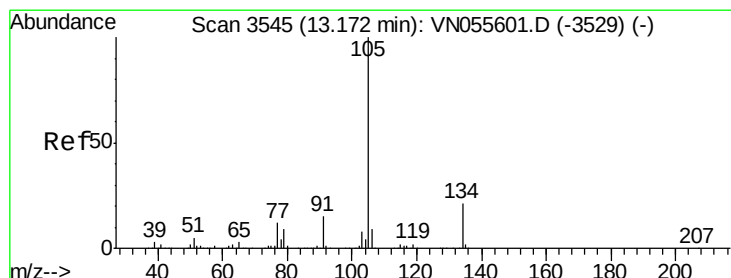
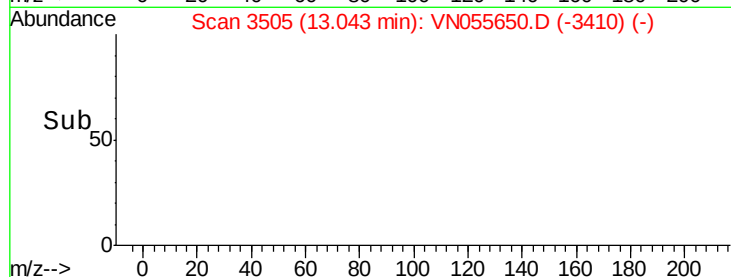
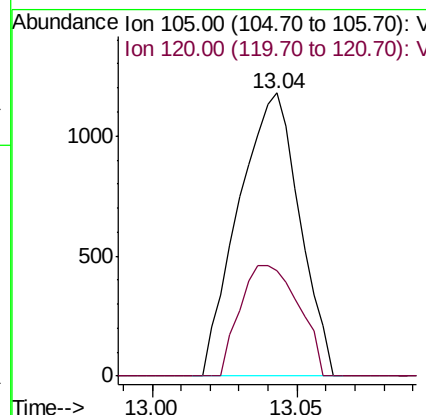
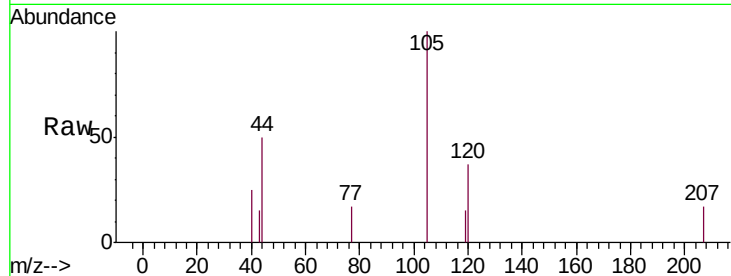




#84  
 1,2,4-Trimethylbenzene  
 Concen: Below Cal  
 RT: 13.04 min Scan# 3505  
 Delta R.T. 0.00 min  
 Lab File: VN055650.D  
 Acq: 18 May 2019 8:04

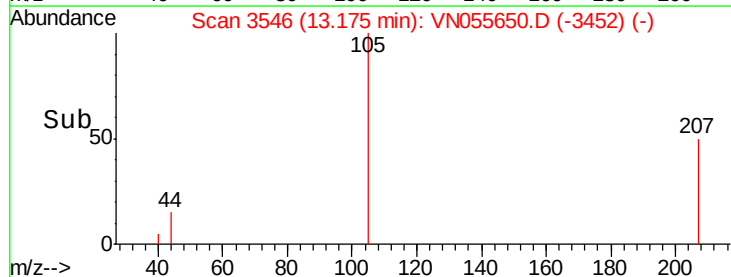
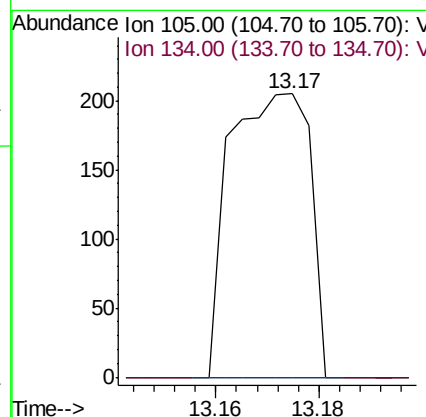
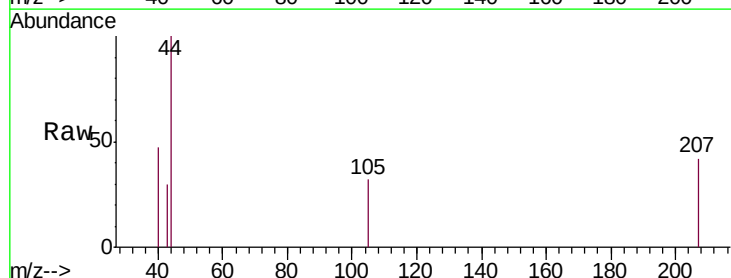
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 ROCKY-SOIL

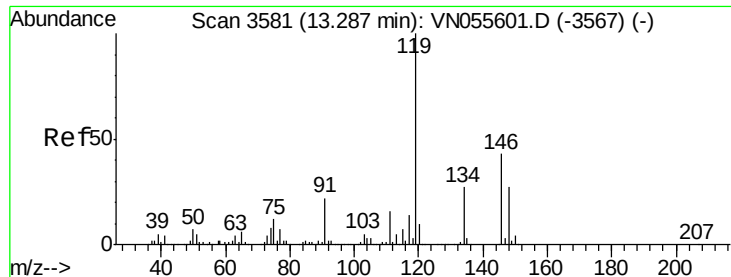
Tgt Ion:105 Resp: 1721  
 Ion Ratio Lower Upper  
 105 100  
 120 37.5 23.1 69.2



#85  
 sec-Butylbenzene  
 Concen: Below Cal  
 RT: 13.17 min Scan# 3546  
 Delta R.T. 0.00 min  
 Lab File: VN055650.D  
 Acq: 18 May 2019 8:04

Tgt Ion:105 Resp: 220  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 10.3 30.9#





#86

p-Isopropyltoluene

Concen: Below Cal

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055650.D

Acq: 18 May 2019 8:04

Instrument :

MSVOA\_N

ClientSampled :

ROCKY-SOIL

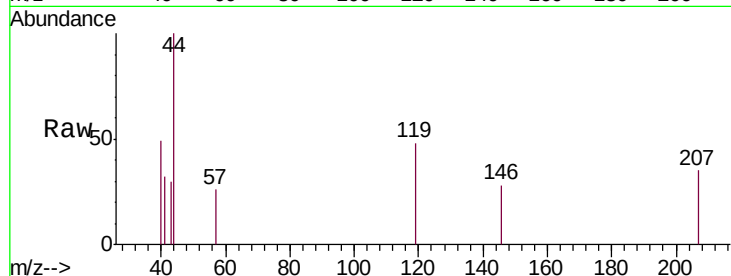
Tgt Ion:119 Resp: 317

Ion Ratio Lower Upper

119 100

134 0.0 13.4 40.2#

91 0.0 11.0 33.0#

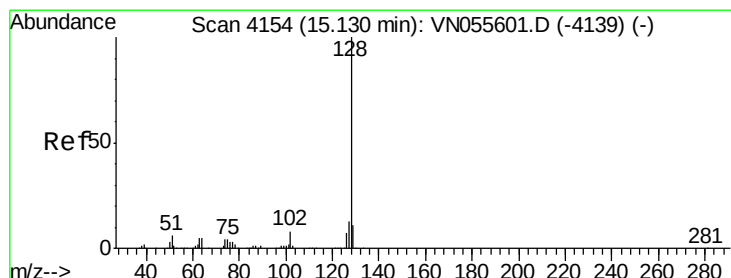
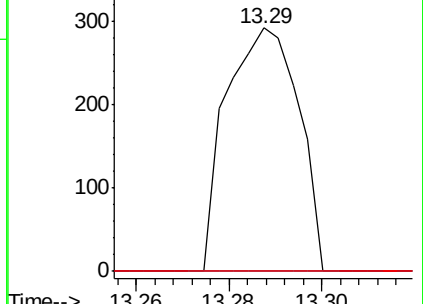
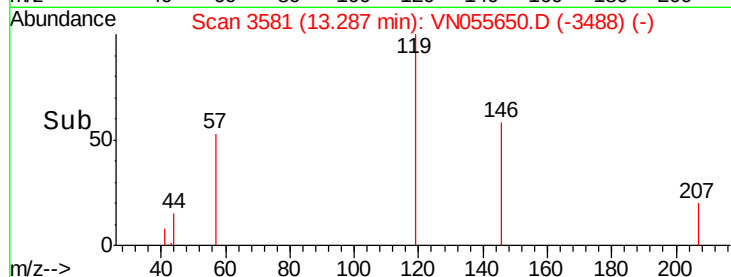


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

Time-->



#95

Naphthalene

Concen: 1.901 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN055650.D

Acq: 18 May 2019 8:04

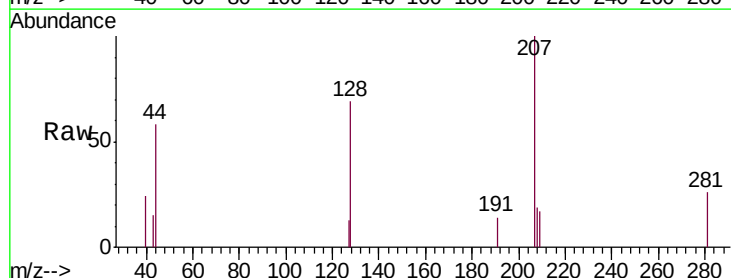
Tgt Ion:128 Resp: 1527

Ion Ratio Lower Upper

128 100

127 9.0 10.2 15.4#

129 0.0 8.6 12.8#



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

Time-->

