

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN121619\  
 Data File : VN059605.D  
 Acq On : 16 Dec 2019 16:17  
 Operator : JC/SP  
 Sample : K6283-01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SOIL-CUTTINGS

Quant Time: Dec 17 04:51:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 13 23:17:39 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 259576   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 413936   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 369807   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 140760   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 180954   | 47.91 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.82%  |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 130926   | 50.55 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.10% |      |
| 50) Toluene-d8            | 10.08  | 98  | 517581   | 50.48 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.96% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 166188   | 44.42 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 88.84%  |      |

## Target Compounds

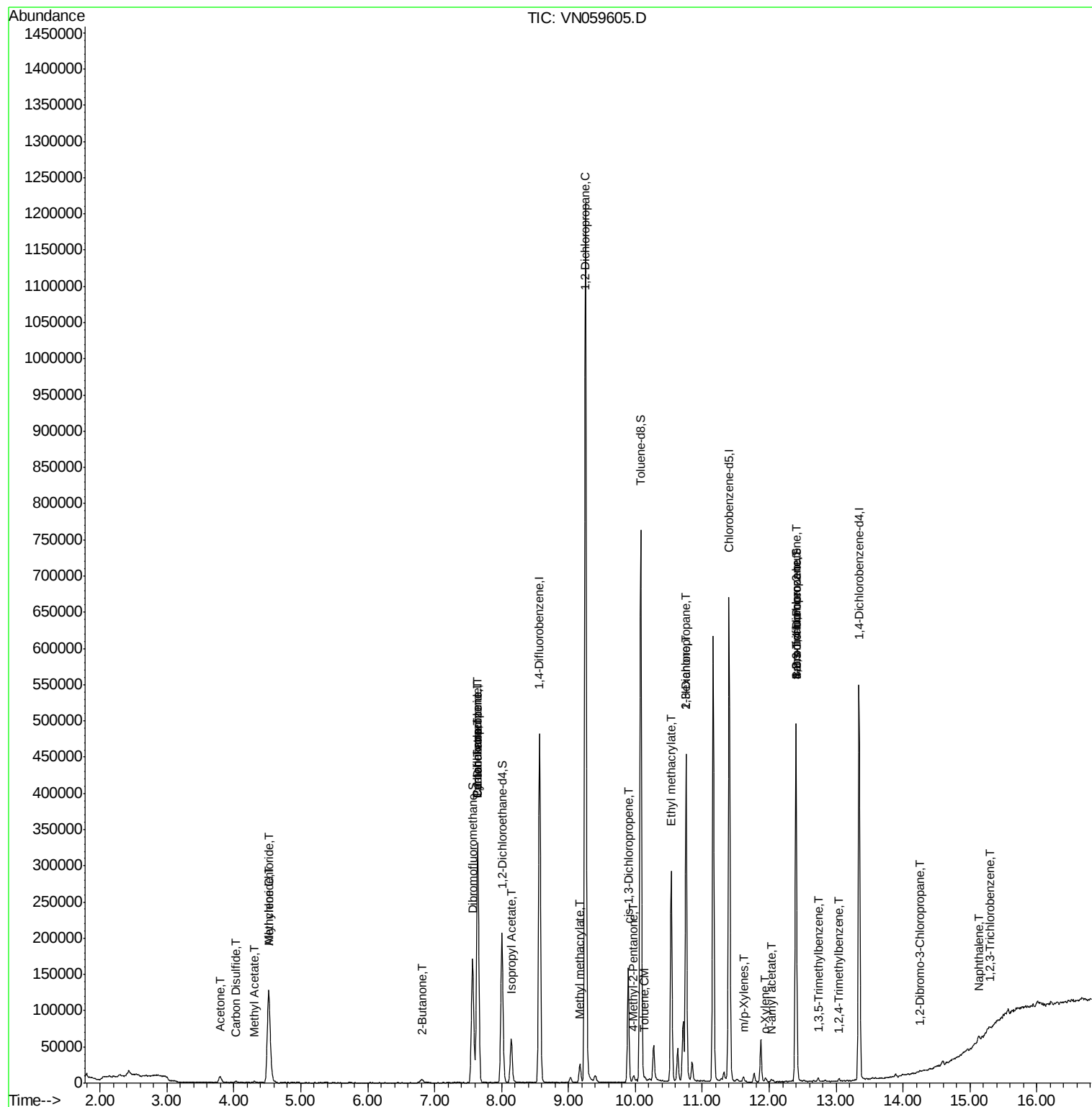
|                                |       |     |       |        |        | Qvalue |
|--------------------------------|-------|-----|-------|--------|--------|--------|
| 14) Allyl chloride             | 4.53  | 41  | 4330  | 0.775  | ug/l # | 22     |
| 16) Acetone                    | 3.80  | 43  | 15503 | 6.913  | ug/l   | 93     |
| 17) Carbon Disulfide           | 4.03  | 76  | 2331  | 2.113  | ug/l # | 75     |
| 18) Methyl Acetate             | 4.31  | 43  | 3120  | 0.664  | ug/l # | 65     |
| 20) Methylene Chloride         | 4.52  | 84  | 96233 | 29.713 | ug/l   | 98     |
| 25) 2-Butanone                 | 6.82  | 43  | 5532  | 2.063  | ug/l   | 92     |
| 31) Cyclohexane                | 7.65  | 56  | 5899  | 1.070  | ug/l # | 2      |
| 36) 1,1-Dichloropropene        | 7.64  | 75  | 21406 | 4.959  | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 7.64  | 117 | 25785 | 5.756  | ug/l # | 15     |
| 43) Isopropyl Acetate          | 8.15  | 43  | 70872 | 9.086  | ug/l # | 91     |
| 45) 1,2-Dichloropropane        | 9.26  | 63  | 1372  | 0.403  | ug/l # | 44     |
| 48) Methyl methacrylate        | 9.17  | 41  | 4390  | 1.240  | ug/l # | 13     |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43  | 5720  | 1.230  | ug/l   | 94     |
| 52) Toluene                    | 10.14 | 92  | 2157  | 0.278  | ug/l   | 96     |
| 54) cis-1,3-Dichloropropene    | 9.89  | 75  | 26377 | 4.876  | ug/l # | 65     |
| 56) Ethyl methacrylate         | 10.53 | 69  | 916   | 0.203  | ug/l # | 1      |
| 57) 1,3-Dichloropropane        | 10.76 | 76  | 4326  | 0.817  | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.76 | 43  | 67676 | 18.463 | ug/l # | 52     |
| 68) m/p-Xylenes                | 11.62 | 106 | 1910  | 0.358  | ug/l   | 94     |
| 69) o-Xylene                   | 11.94 | 106 | 1461  | 0.288  | ug/l   | 86     |
| 71) Bromoform                  | 12.40 | 173 | 908   | 0.397  | ug/l # | 1      |
| 74) N-amyl acetate             | 12.03 | 43  | 4461  | 0.880  | ug/l # | 45     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 90515 | 25.976 | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105 | 2895  | 0.310  | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 90515 | 64.157 | ug/l # | 11     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105 | 2630  | 0.283  | ug/l   | 99     |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75  | 232   | 1.853  | ug/l # | 6      |
| 95) Naphthalene                | 15.13 | 128 | 5605  | 0.590  | ug/l   | 95     |
| 96) 1,2,3-Trichlorobenzene     | 15.30 | 180 | 730   | 0.227  | ug/l # | 56     |

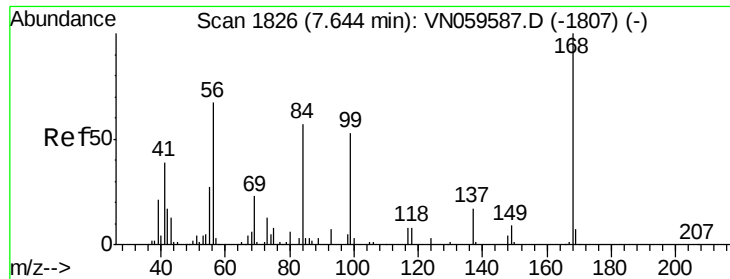
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN121619\  
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Quant Title : SW846 8260  
QLast Update : Fri Dec 13 23:17:39 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

Instrument :

MSVOA\_N

ClientSampleId :

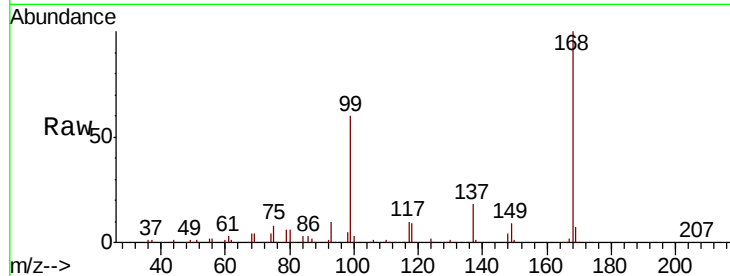
SOIL-CUTTINGS

Tgt Ion:168 Resp: 259576

Ion Ratio Lower Upper

168 100

99 59.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

120000

100000

80000

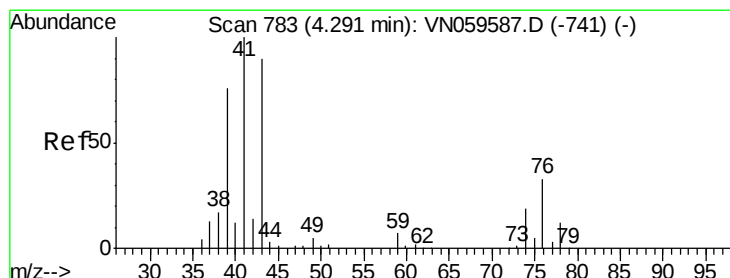
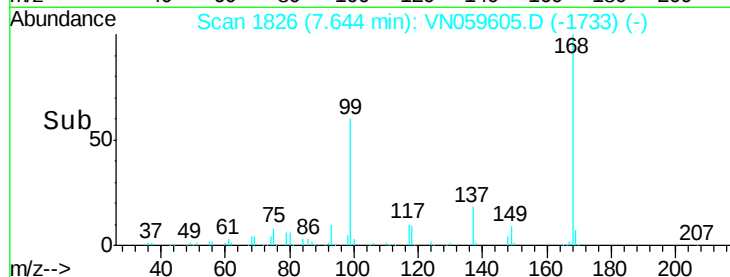
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 0.775 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.23 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

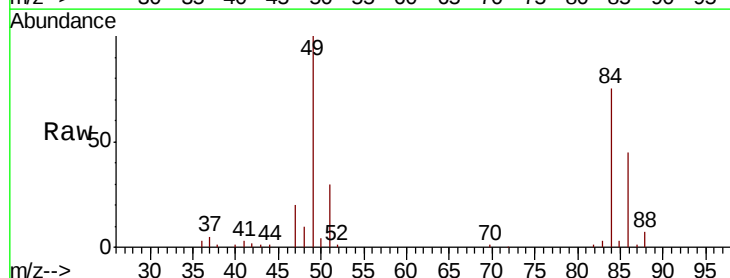
Tgt Ion: 41 Resp: 4330

Ion Ratio Lower Upper

41 100

39 0.0 57.8 86.8#

76 0.0 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.53

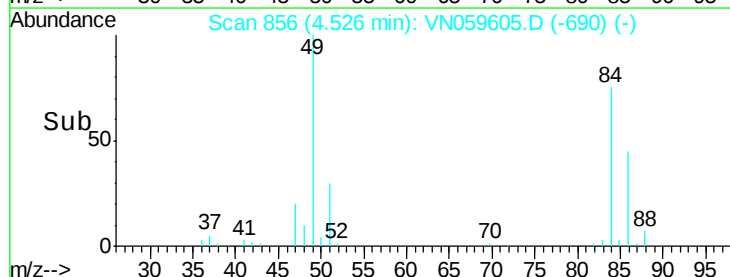
1500

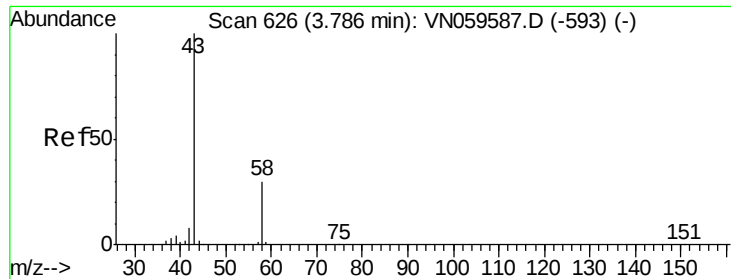
1000

500

0

Time-->





#16

Acetone

Concen: 6.913 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

Instrument :

MSVOA\_N

ClientSampleId :

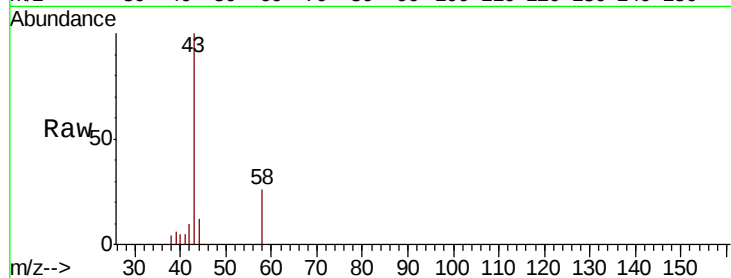
SOIL-CUTTINGS

Tgt Ion: 43 Resp: 15503

Ion Ratio Lower Upper

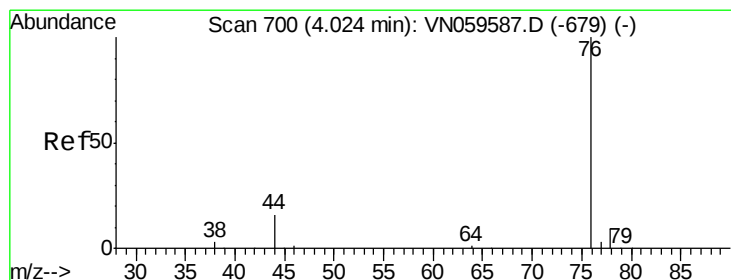
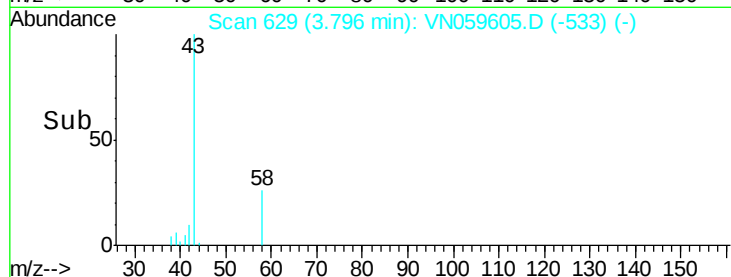
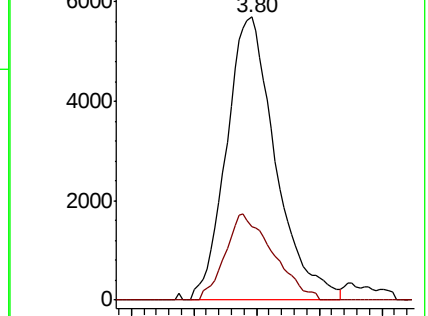
43 100

58 26.0 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-593) (-)



#17

Carbon Disulfide

Concen: 2.113 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059605.D

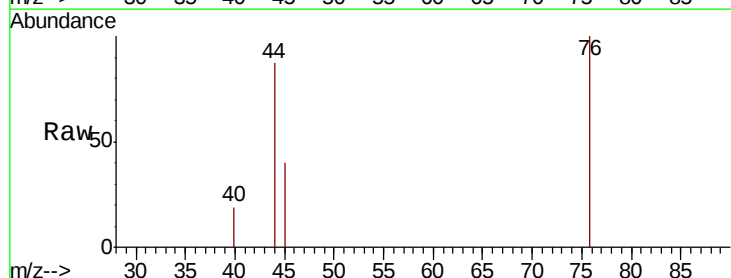
Acq: 16 Dec 2019 16:17

Tgt Ion: 76 Resp: 2331

Ion Ratio Lower Upper

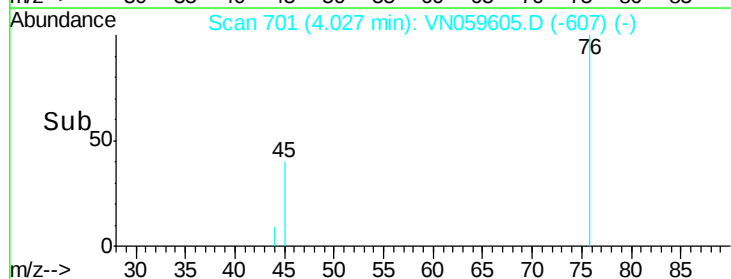
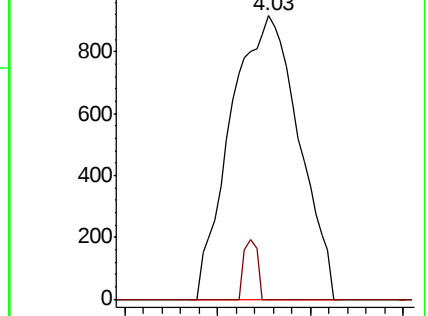
76 100

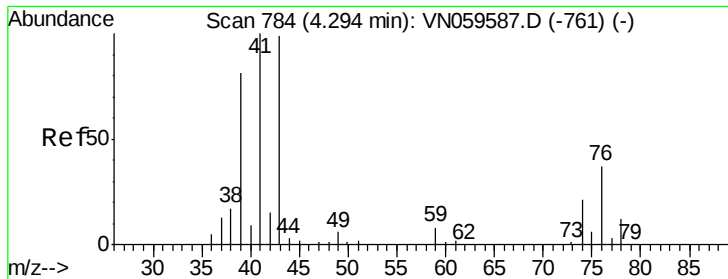
78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN059587.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN059587.D (-679) (-)

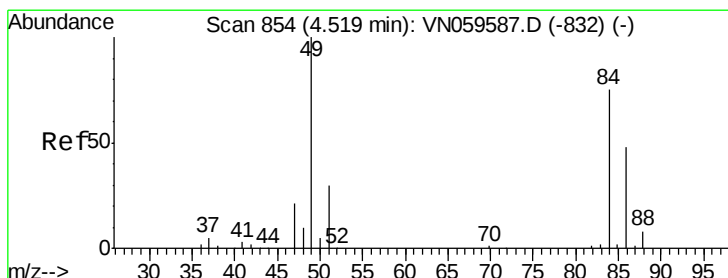
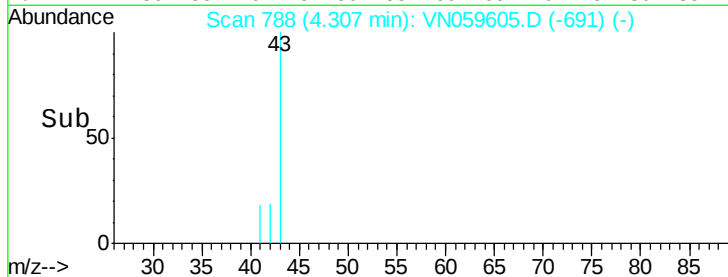
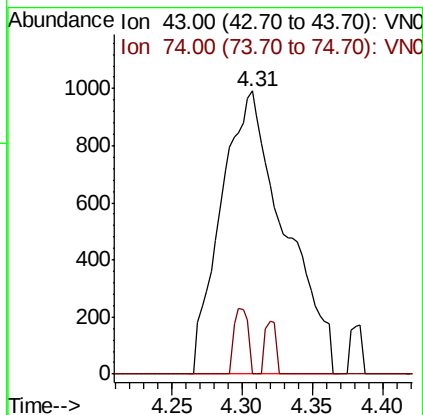
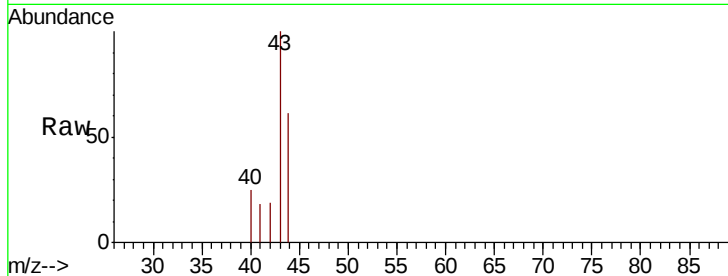




#18  
Methyl Acetate  
Concen: 0.664 ug/l  
RT: 4.31 min Scan# 788  
Delta R.T. 0.01 min  
Lab File: VN059605.D  
Acq: 16 Dec 2019 16:17

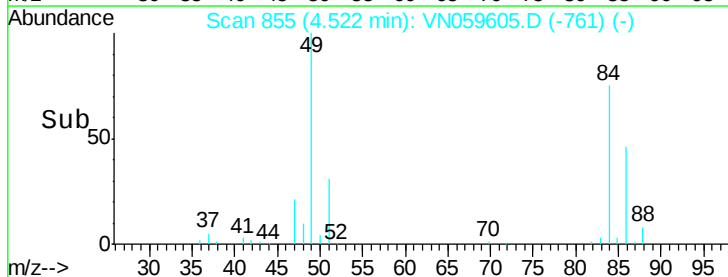
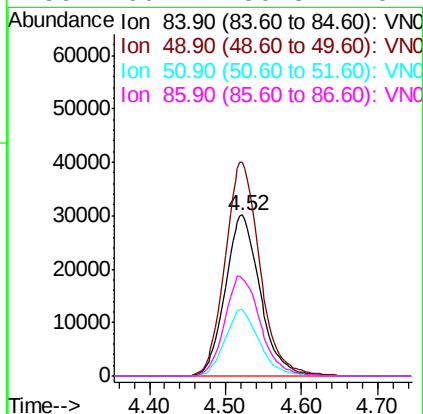
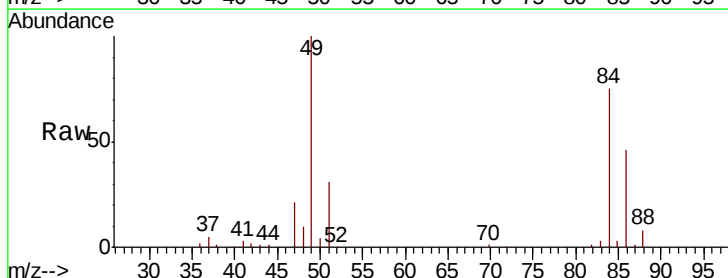
Instrument :  
MSVOA\_N  
ClientSampleId :  
SOIL-CUTTINGS

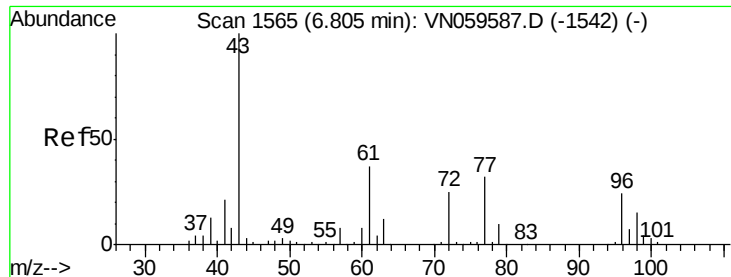
Tgt Ion: 43 Resp: 3120  
Ion Ratio Lower Upper  
43 100  
74 5.1 17.5 26.3#



#20  
Methylene Chloride  
Concen: 29.713 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: VN059605.D  
Acq: 16 Dec 2019 16:17

Tgt Ion: 84 Resp: 96233  
Ion Ratio Lower Upper  
84 100  
49 132.5 106.6 160.0  
51 41.0 31.9 47.9  
86 60.4 50.8 76.2





#25

2-Butanone

Concen: 2.063 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.02 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

Instrument :

MSVOA\_N

ClientSampleId :

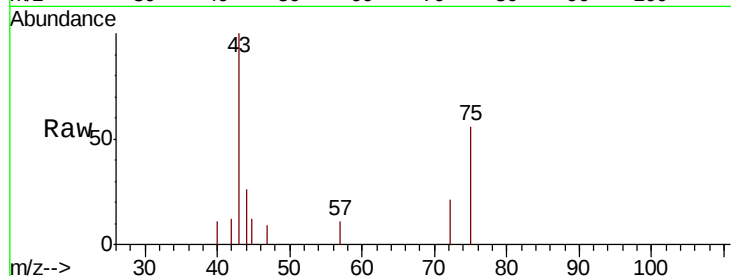
SOIL-CUTTINGS

Tgt Ion: 43 Resp: 5532

Ion Ratio Lower Upper

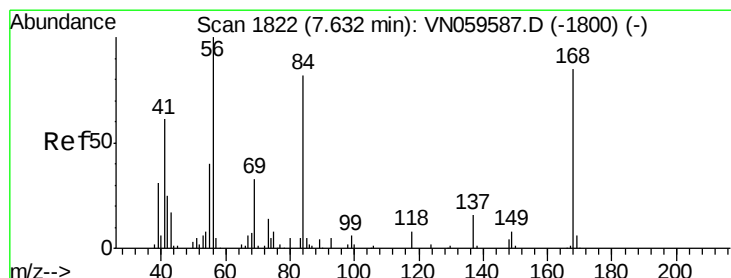
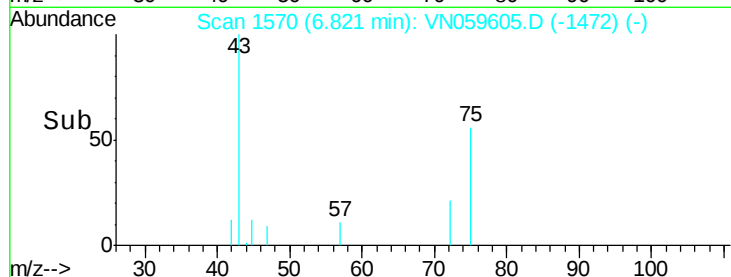
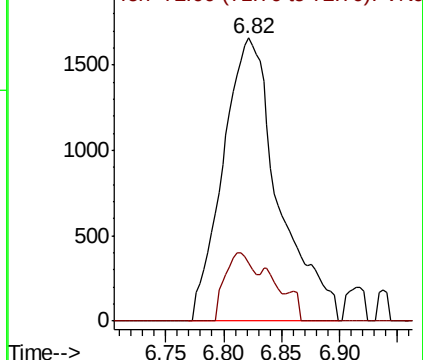
43 100

72 20.7 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 1.070 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.02 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

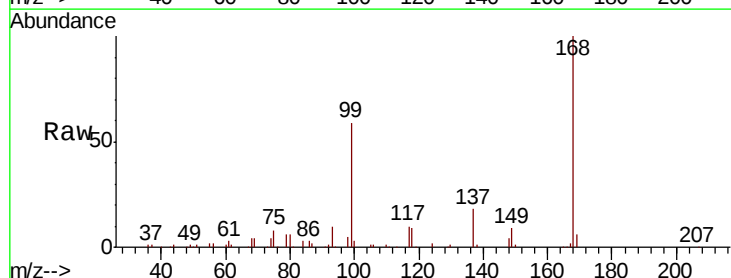
Tgt Ion: 56 Resp: 5899

Ion Ratio Lower Upper

56 100

69 178.8 26.5 39.7#

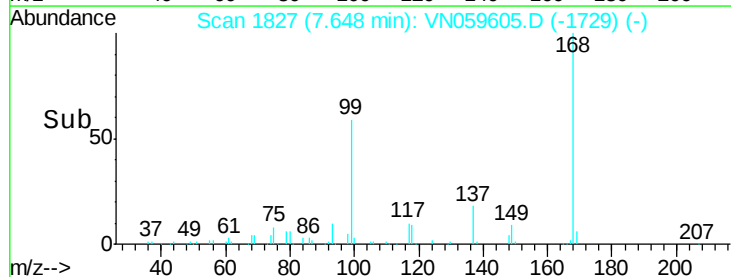
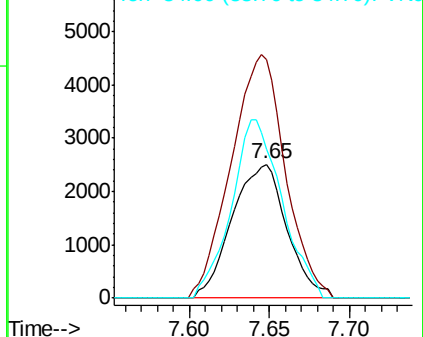
84 111.8 65.3 97.9#

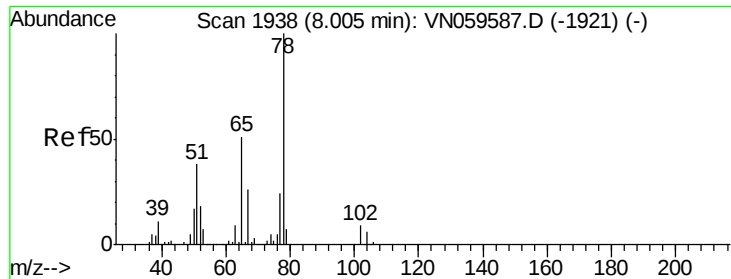


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

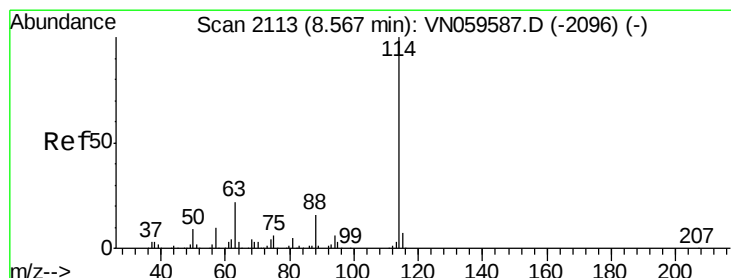
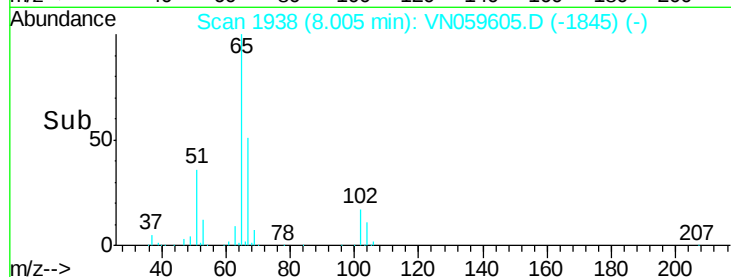
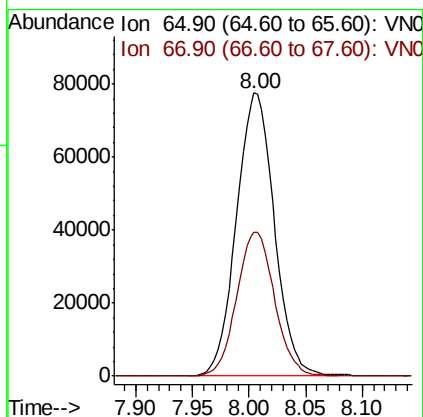
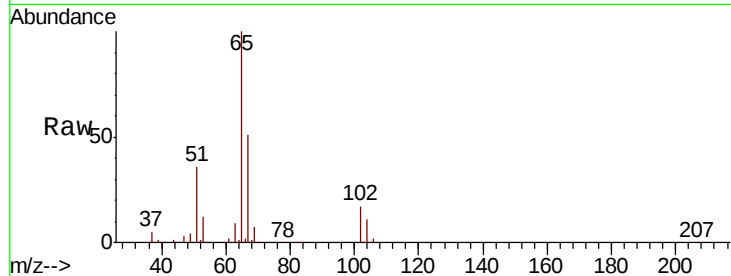




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.907 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. 0.00 min  
 Lab File: VN059605.D  
 Acq: 16 Dec 2019 16:17

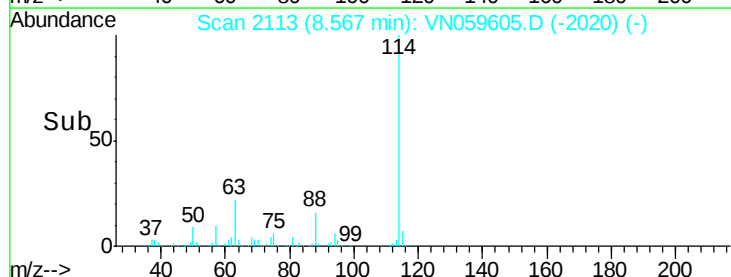
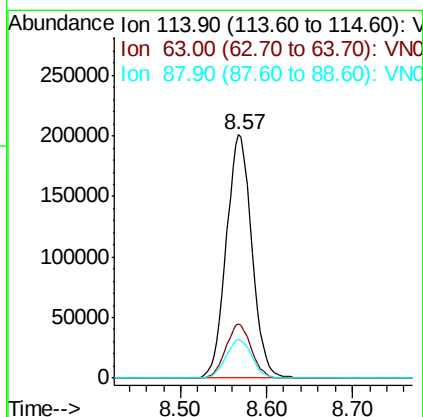
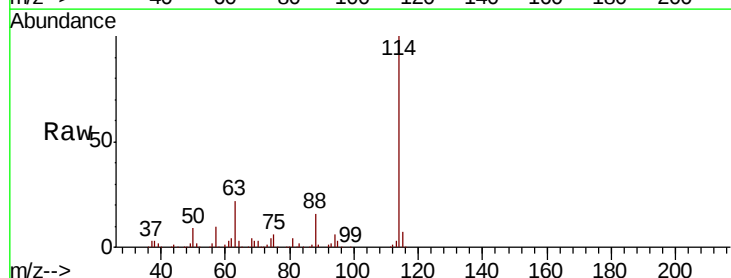
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 SOIL-CUTTINGS

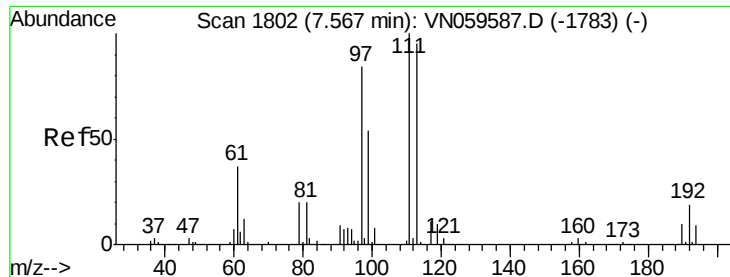
Tgt Ion: 65 Resp: 180954  
 Ion Ratio Lower Upper  
 65 100  
 67 50.8 0.0 103.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VN059605.D  
 Acq: 16 Dec 2019 16:17

Tgt Ion: 114 Resp: 413936  
 Ion Ratio Lower Upper  
 114 100  
 63 22.4 0.0 43.6  
 88 15.7 0.0 31.4

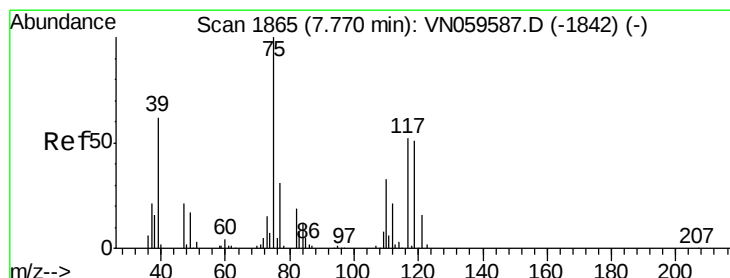
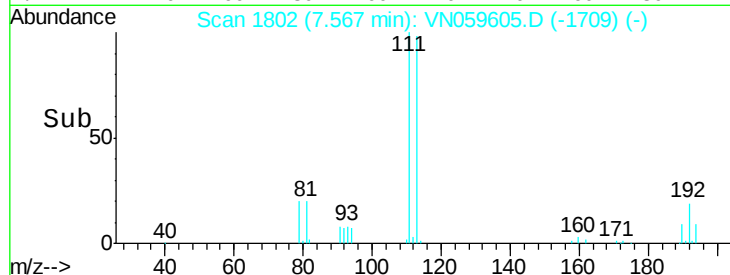
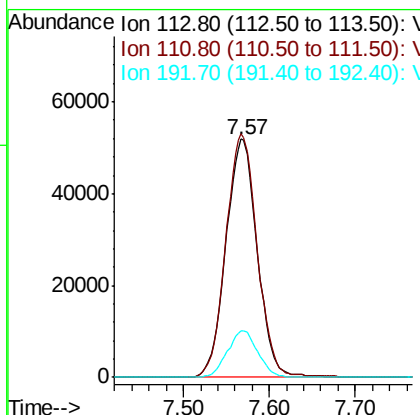
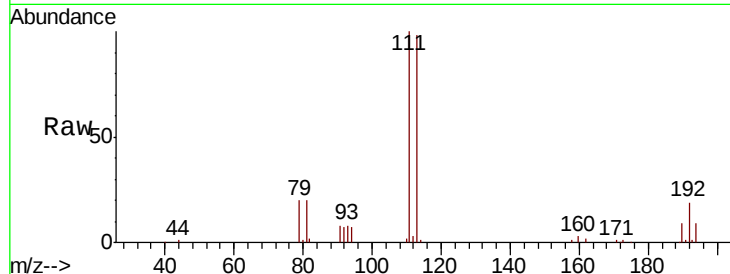




#35  
 Dibromofluoromethane  
 Concen: 50.552 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. 0.00 min  
 Lab File: VN059605.D  
 Acq: 16 Dec 2019 16:17

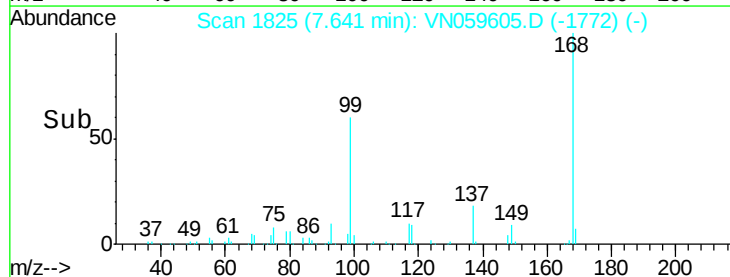
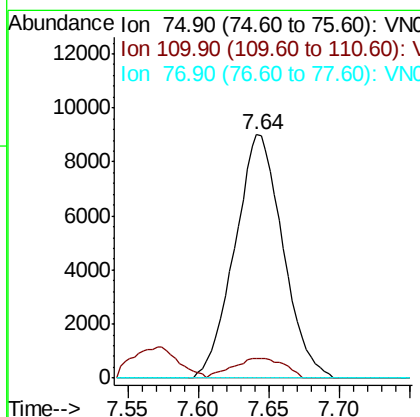
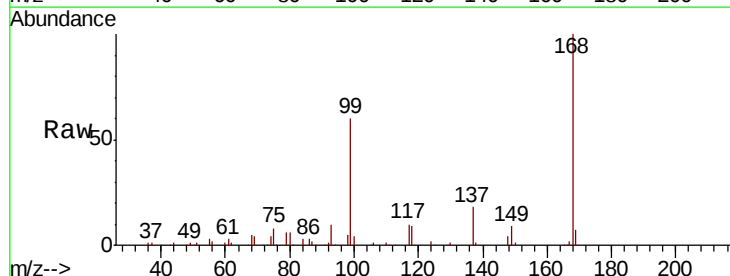
Instrument :  
 MSVOA\_N  
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 SOIL-CUTTINGS

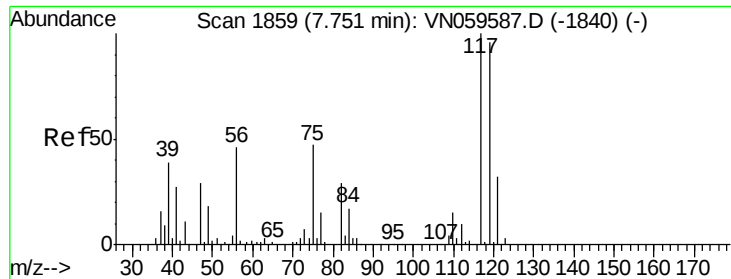
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.6 | 83.5  | 125.3 |
| 192     | 19.0  | 15.4  | 23.2  |



#36  
 1,1-Dichloropropene  
 Concen: 4.959 ug/l  
 RT: 7.64 min Scan# 1825  
 Delta R.T. -0.13 min  
 Lab File: VN059605.D  
 Acq: 16 Dec 2019 16:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.7   | 16.6  | 49.7# |
| 77      | 0.0   | 25.1  | 37.7# |





#38

Carbon Tetrachloride

Concen: 5.756 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

Instrument :

MSVOA\_N

ClientSampleId :

SOIL-CUTTINGS

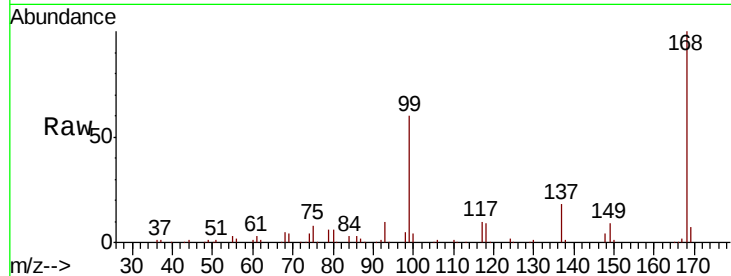
Tgt Ion:117 Resp: 25785

Ion Ratio Lower Upper

117 100

119 4.1 76.5 114.7#

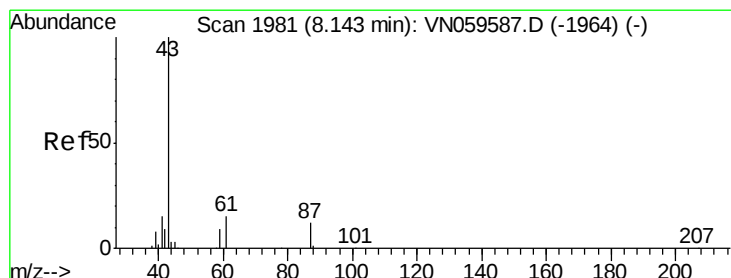
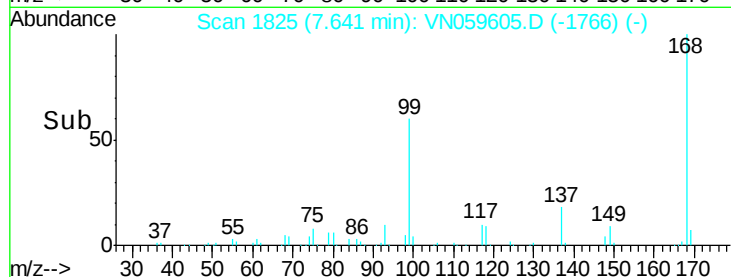
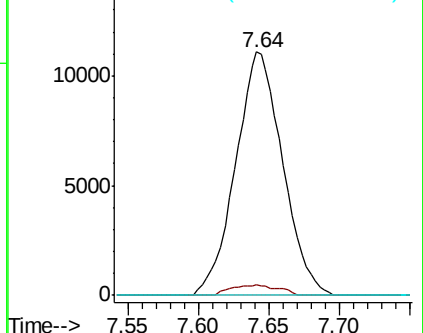
121 0.0 25.1 37.7#



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: 9.086 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

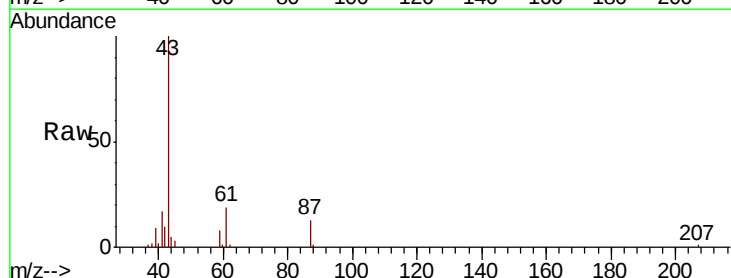
Tgt Ion: 43 Resp: 70872

Ion Ratio Lower Upper

43 100

61 18.5 20.2 30.2#

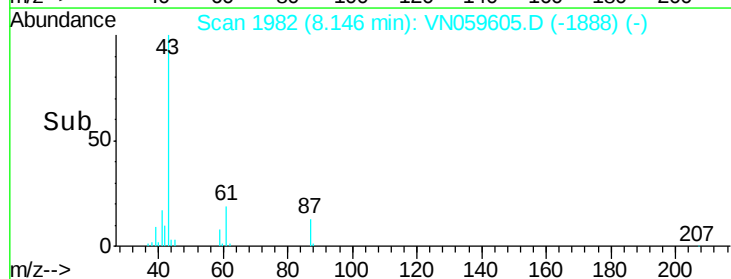
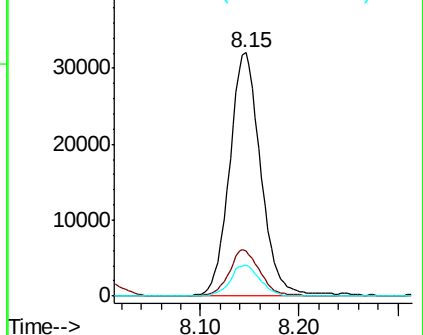
87 11.9 9.5 14.3

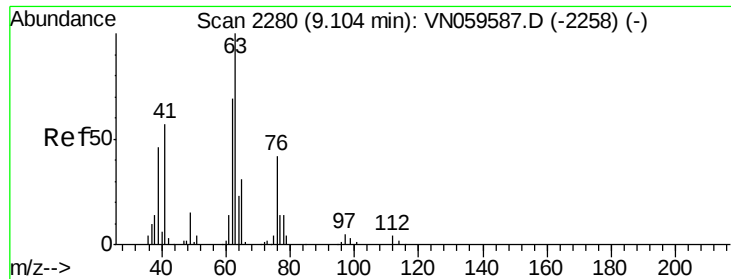


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.403 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

Instrument :

MSVOA\_N

ClientSampleId :

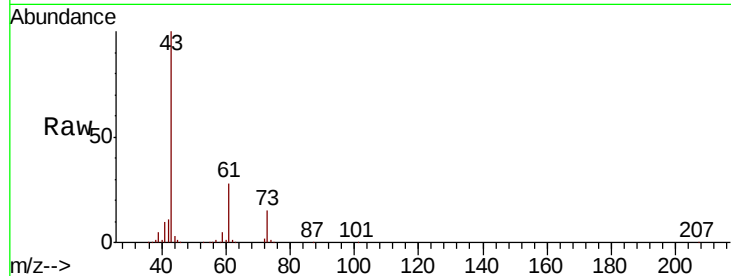
SOIL-CUTTINGS

Tgt Ion: 63 Resp: 1372

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.26

800

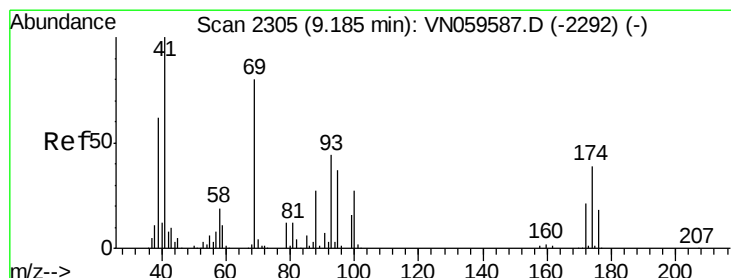
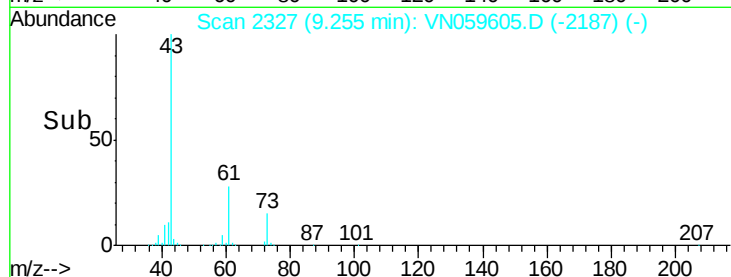
600

400

200

0

Time--> 9.20 9.25



#48

Methyl methacrylate

Concen: 1.240 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. -0.02 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

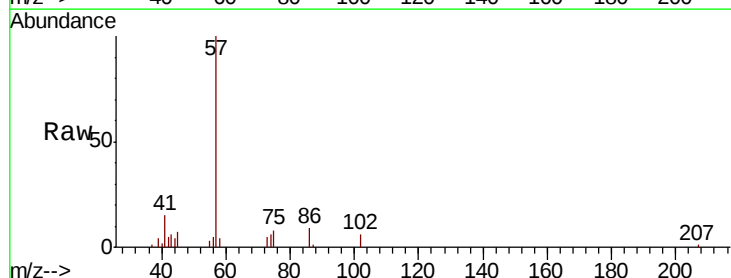
Tgt Ion: 41 Resp: 4390

Ion Ratio Lower Upper

41 100

69 0.0 64.4 96.6#

39 0.0 51.3 76.9#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

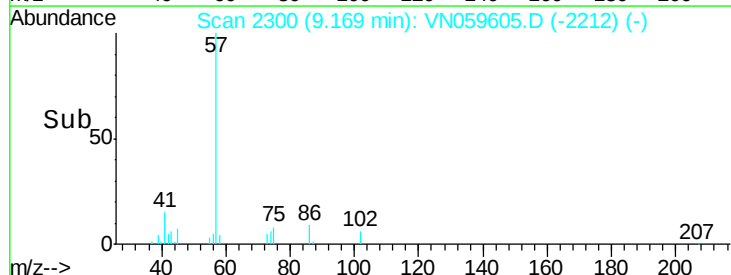
60000

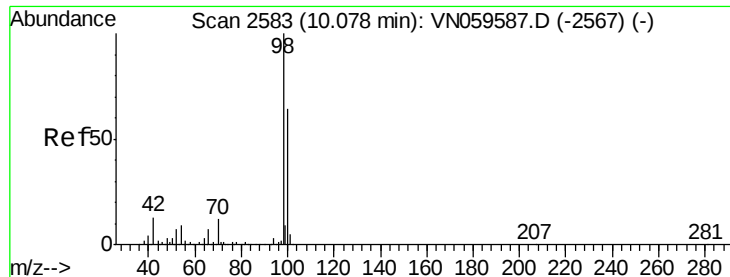
40000

20000

0

Time--> 9.10 9.15 9.20





#50

Toluene-d8

Concen: 50.476 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

Instrument :

MSVOA\_N

ClientSampleId :

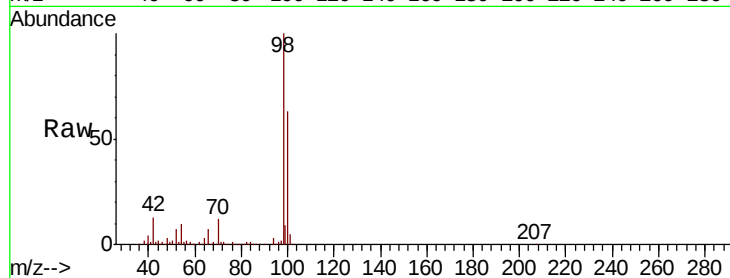
SOIL-CUTTINGS

Tgt Ion: 98 Resp: 517581

Ion Ratio Lower Upper

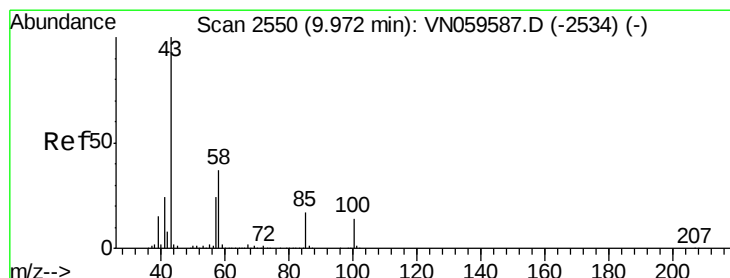
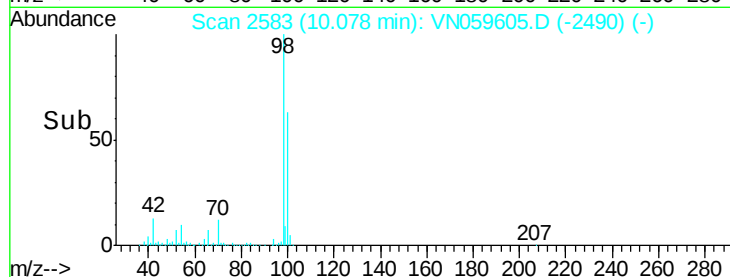
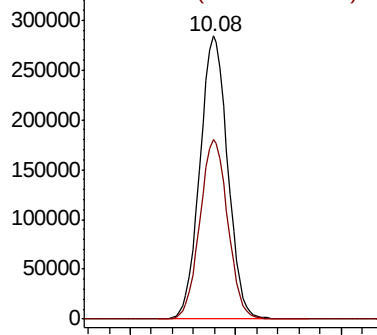
98 100

100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.230 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059605.D

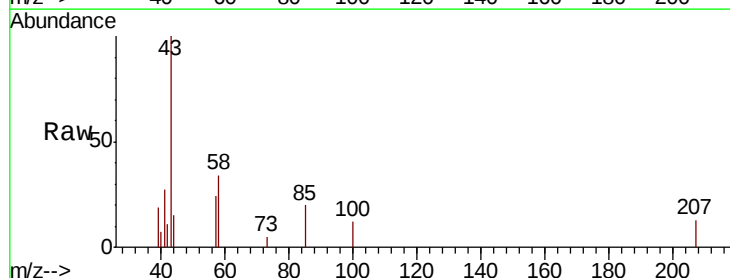
Acq: 16 Dec 2019 16:17

Tgt Ion: 43 Resp: 5720

Ion Ratio Lower Upper

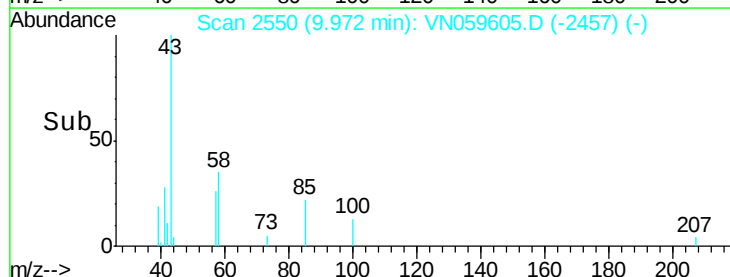
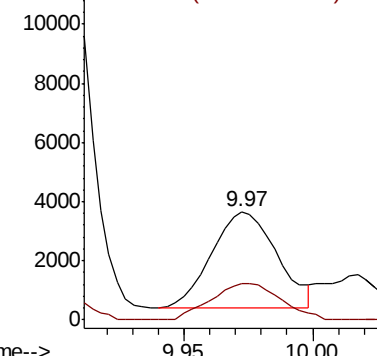
43 100

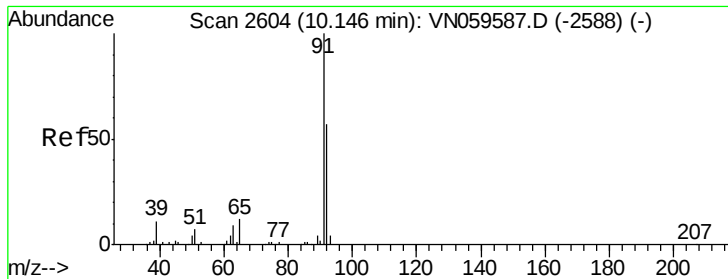
58 40.6 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 0.278 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

Instrument :

MSVOA\_N

ClientSampleId :

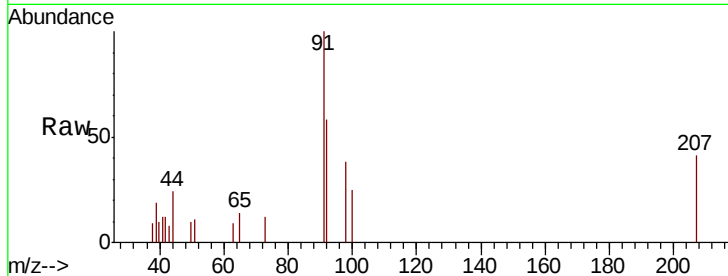
SOIL-CUTTINGS

Tgt Ion: 92 Resp: 2157

Ion Ratio Lower Upper

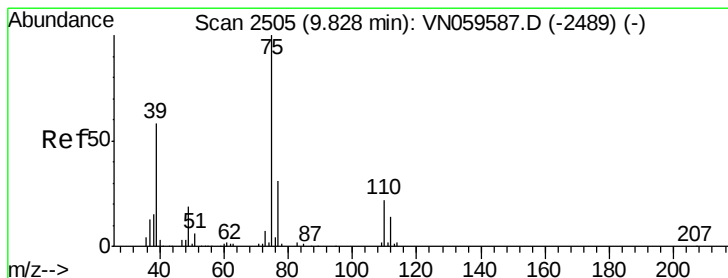
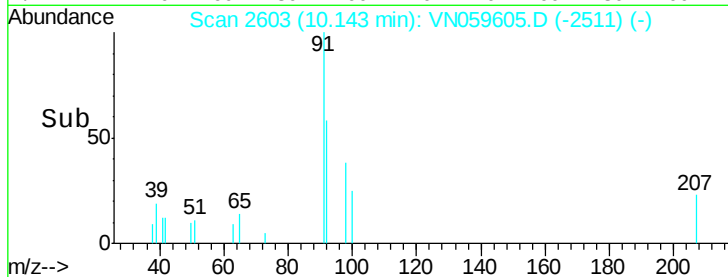
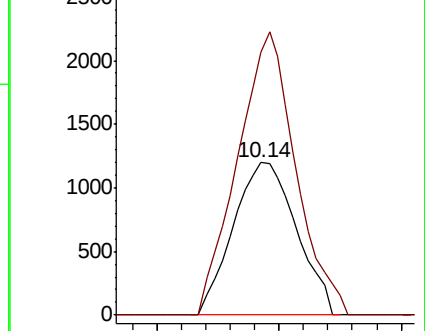
92 100

91 170.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.876 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.06 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

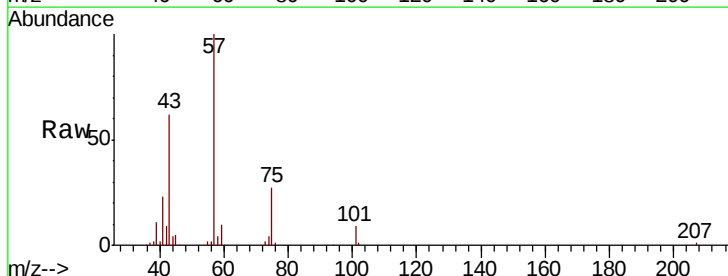
Tgt Ion: 75 Resp: 26377

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

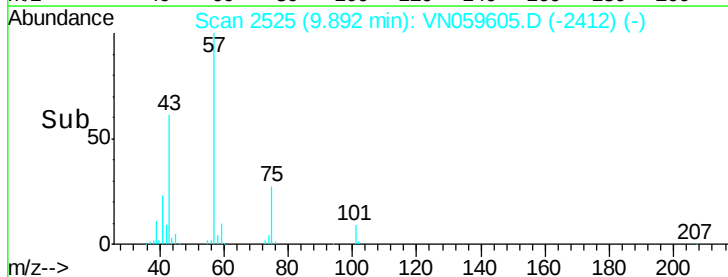
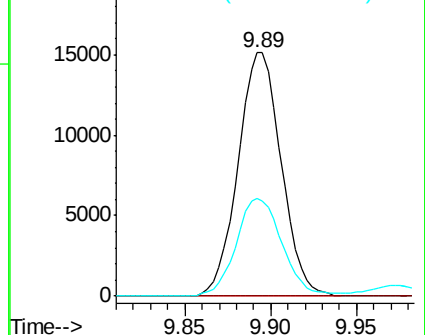
39 40.0 46.1 69.1#

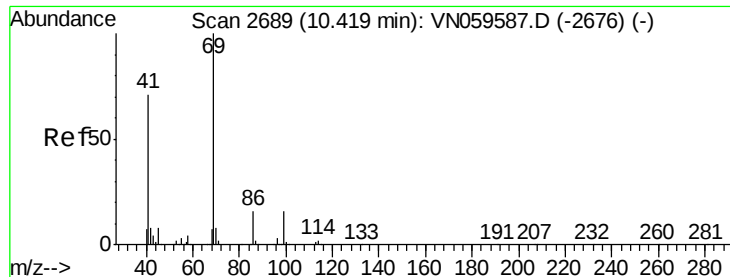


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.203 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.11 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

Instrument :

MSVOA\_N

ClientSampleId :

SOIL-CUTTINGS

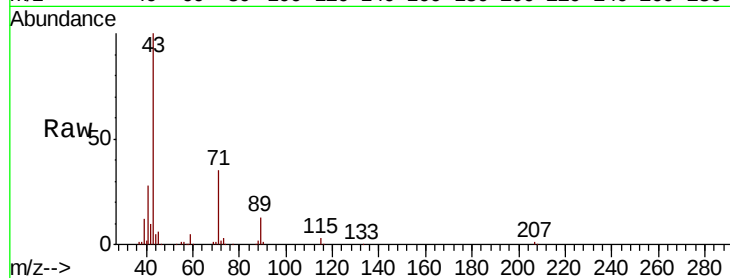
Tgt Ion: 69 Resp: 916

Ion Ratio Lower Upper

69 100

41 6397.6 57.1 85.7#

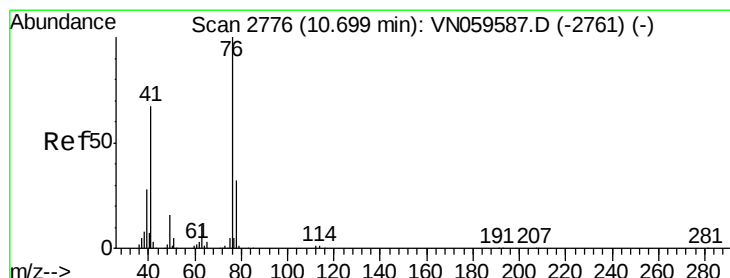
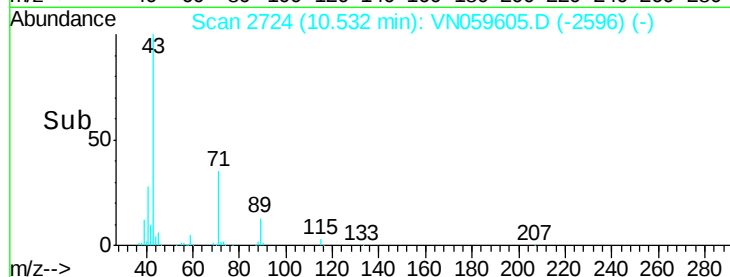
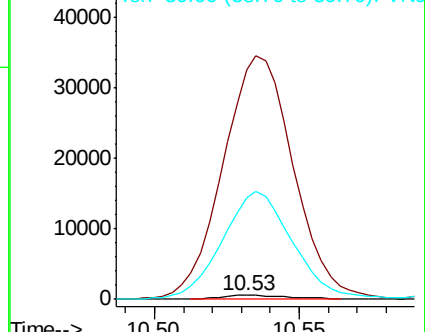
39 2834.7 34.7 52.1#



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



#57

1,3-Dichloropropane

Concen: 0.817 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN059605.D

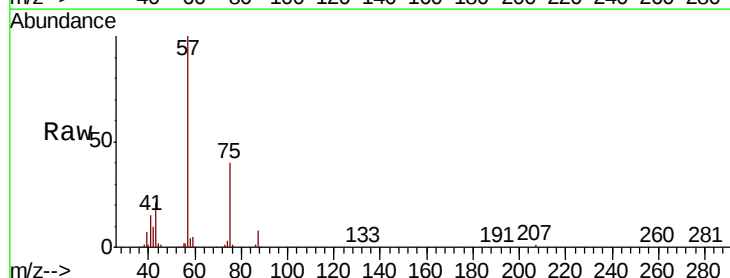
Acq: 16 Dec 2019 16:17

Tgt Ion: 76 Resp: 4326

Ion Ratio Lower Upper

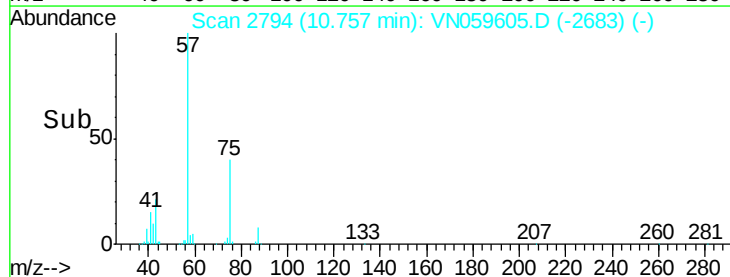
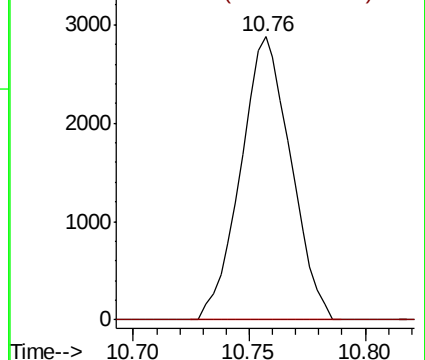
76 100

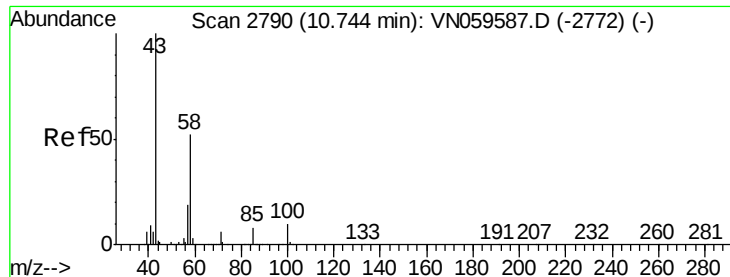
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 18.463 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

Instrument :

MSVOA\_N

ClientSampleId :

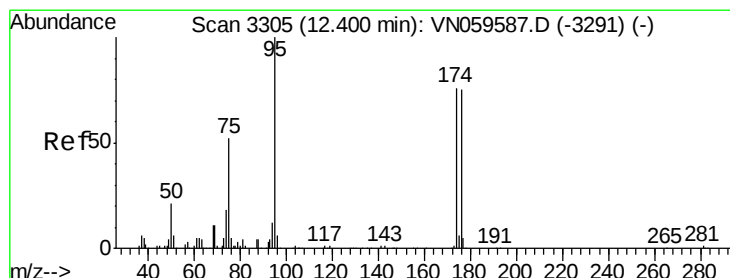
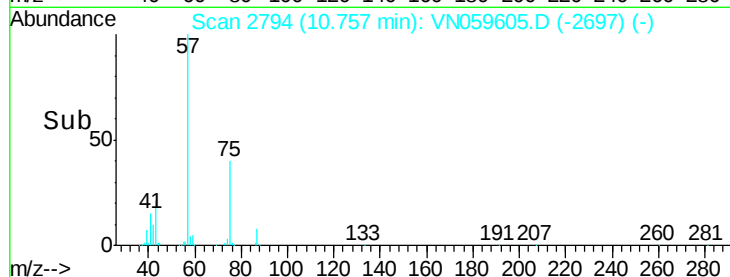
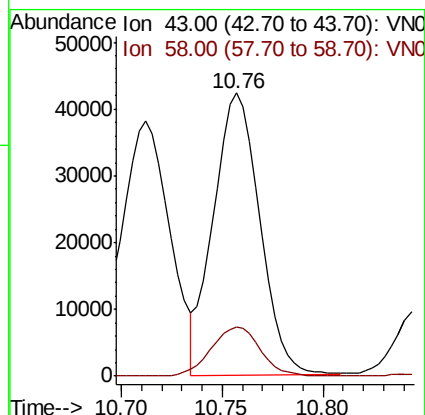
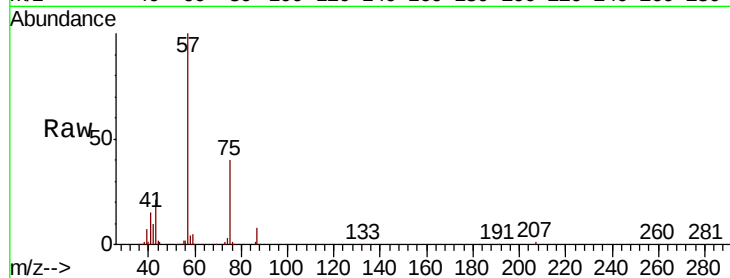
SOIL-CUTTINGS

Tgt Ion: 43 Resp: 67676

Ion Ratio Lower Upper

43 100

58 18.2 25.8 77.3#



#62

4-Bromofluorobenzene

Concen: 44.417 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

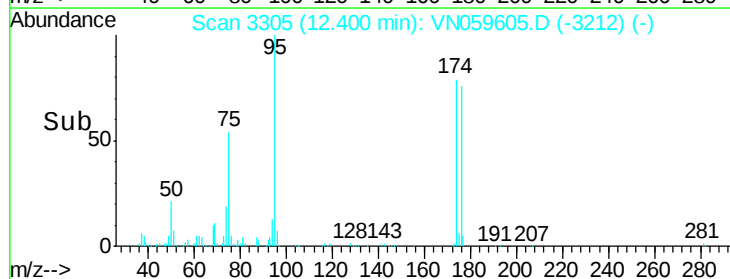
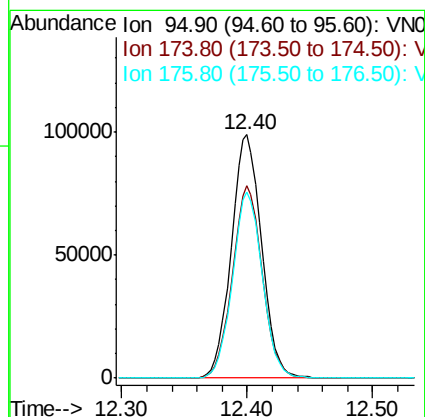
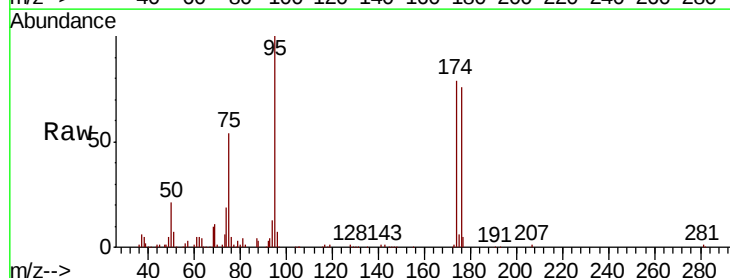
Tgt Ion: 95 Resp: 166188

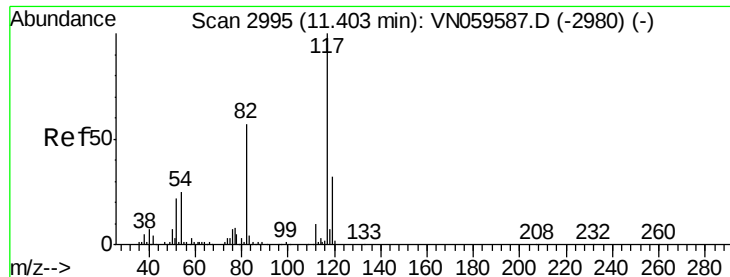
Ion Ratio Lower Upper

95 100

174 77.7 0.0 151.4

176 75.2 0.0 146.0

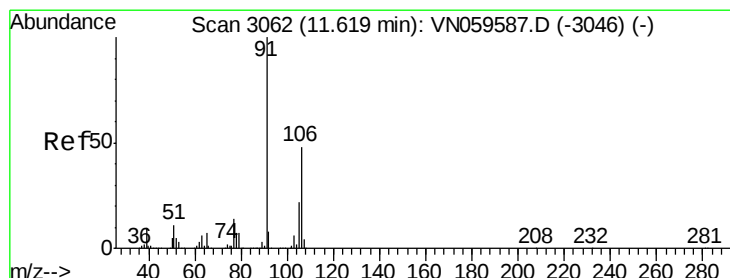
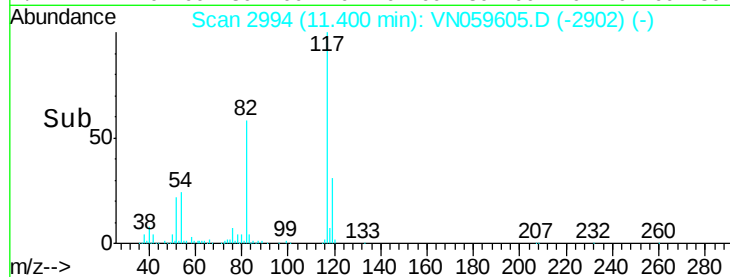
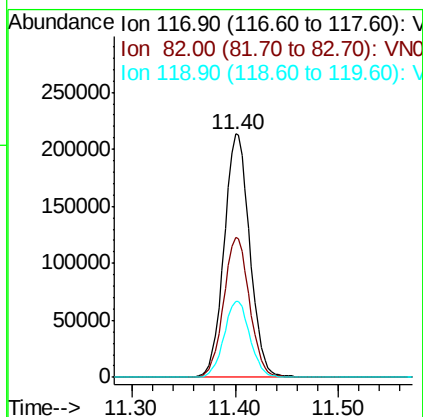
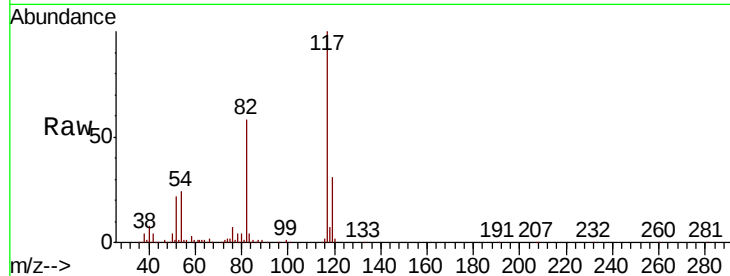




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN059605.D  
Acq: 16 Dec 2019 16:17

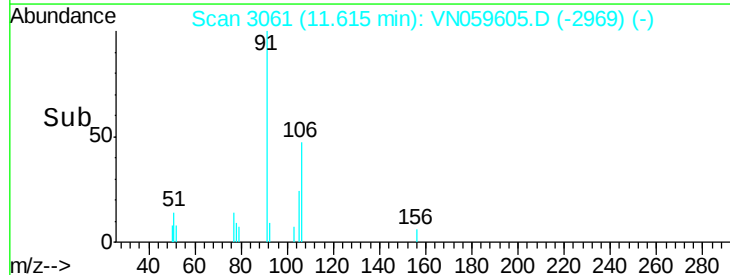
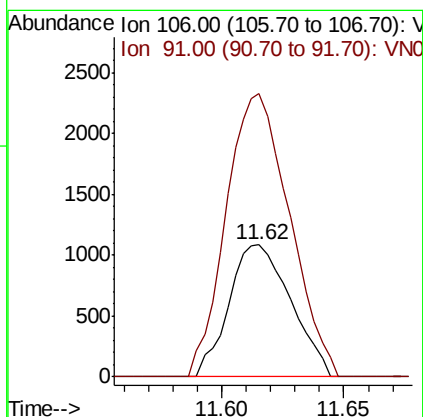
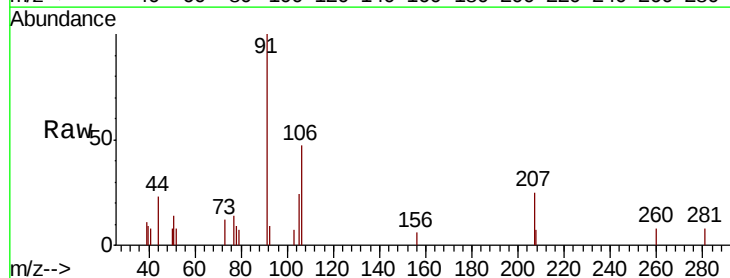
Instrument :  
MSVOA\_N  
ClientSampleId :  
SOIL-CUTTINGS

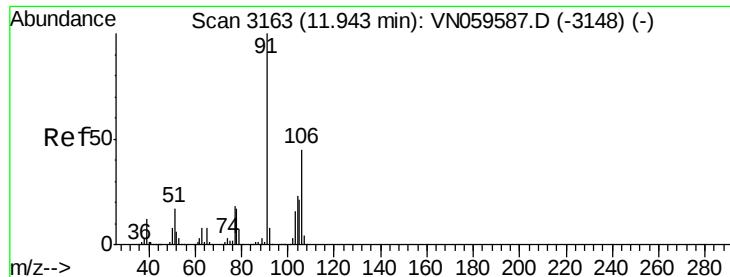
Tgt Ion:117 Resp: 369807  
Ion Ratio Lower Upper  
117 100  
82 57.6 45.9 68.9  
119 31.4 25.5 38.3



#68  
m/p-Xylenes  
Concen: 0.358 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. -0.00 min  
Lab File: VN059605.D  
Acq: 16 Dec 2019 16:17

Tgt Ion:106 Resp: 1910  
Ion Ratio Lower Upper  
106 100  
91 219.6 167.9 251.9

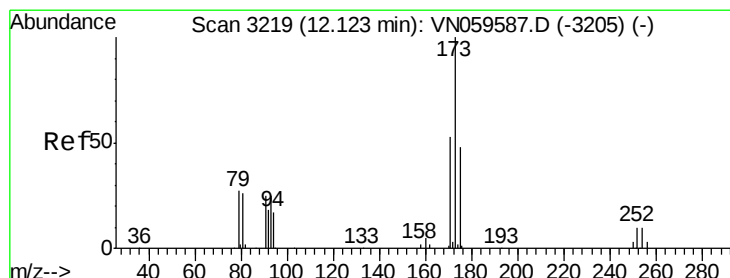
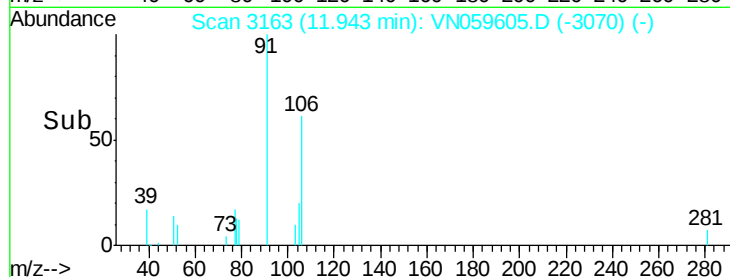
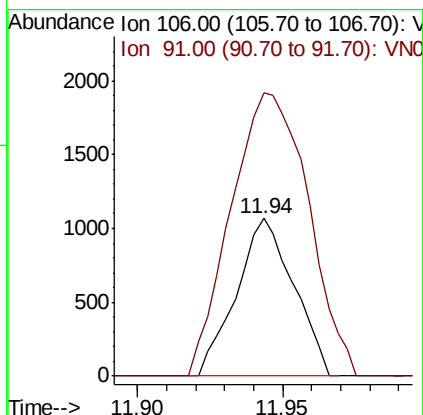
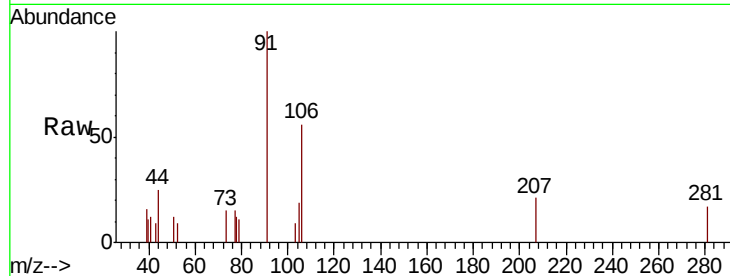




#69  
o-Xylene  
Concen: 0.288 ug/l  
RT: 11.94 min Scan# 3163  
Delta R.T. 0.00 min  
Lab File: VN059605.D  
Acq: 16 Dec 2019 16:17

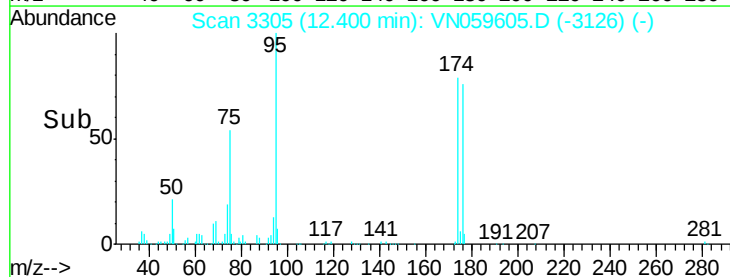
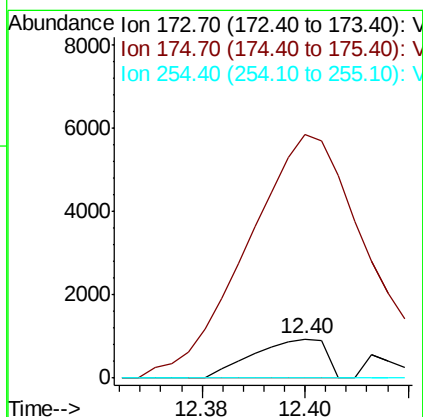
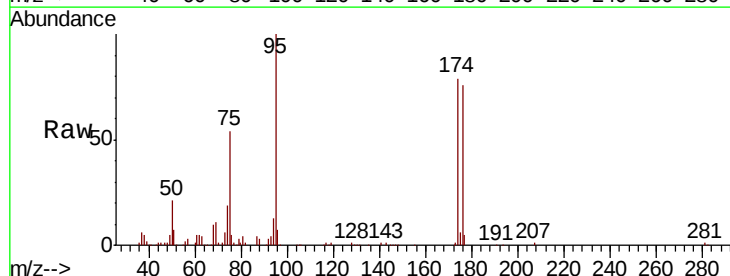
Instrument :  
MSVOA\_N  
ClientSampleId :  
SOIL-CUTTINGS

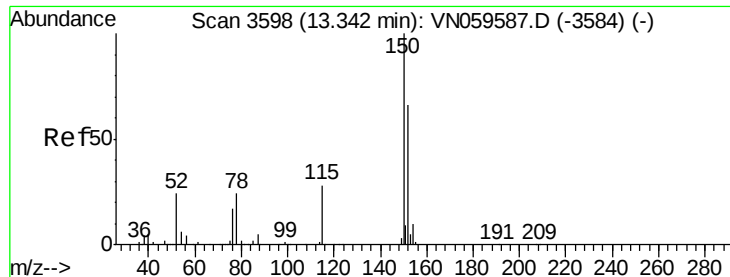
Tgt Ion:106 Resp: 1461  
Ion Ratio Lower Upper  
106 100  
91 243.1 110.3 330.9



#71  
Bromoform  
Concen: 0.397 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.28 min  
Lab File: VN059605.D  
Acq: 16 Dec 2019 16:17

Tgt Ion:173 Resp: 908  
Ion Ratio Lower Upper  
173 100  
175 862.7 23.8 71.4#  
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

Instrument :

MSVOA\_N

ClientSampleId :

SOIL-CUTTINGS

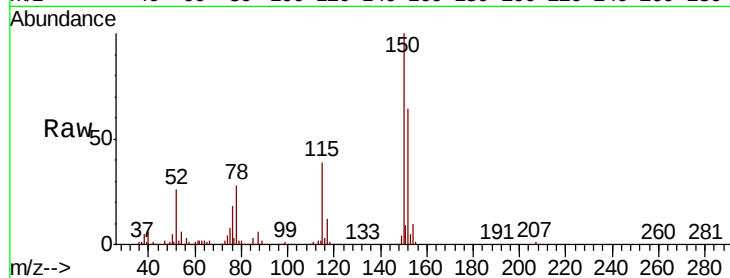
Tgt Ion:152 Resp: 140760

Ion Ratio Lower Upper

152 100

115 60.4 30.3 90.9

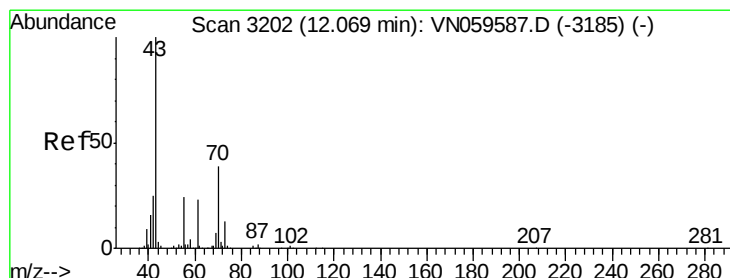
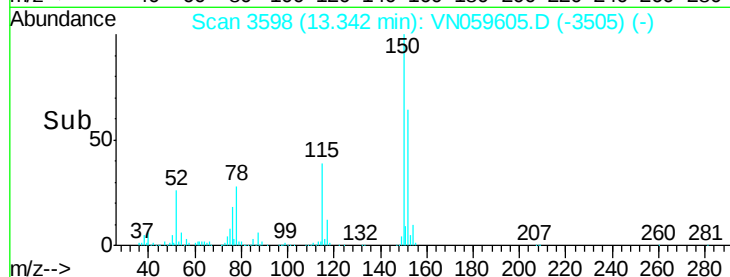
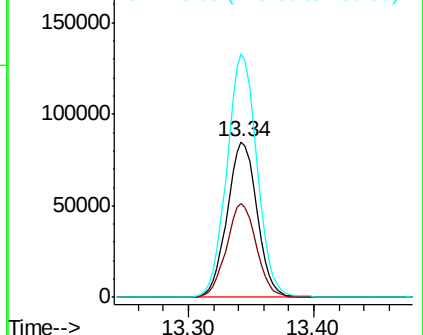
150 157.5 0.0 345.2



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



#74

N-ethyl acetate

Concen: 0.880 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

Tgt Ion: 43 Resp: 4461

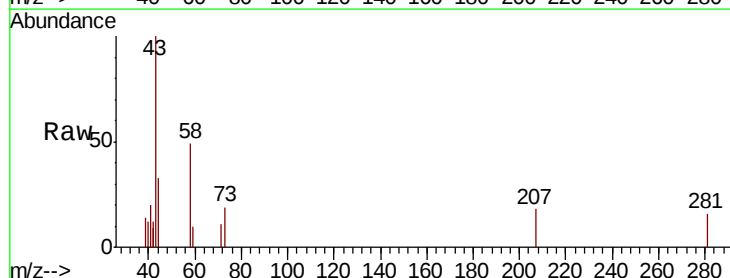
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

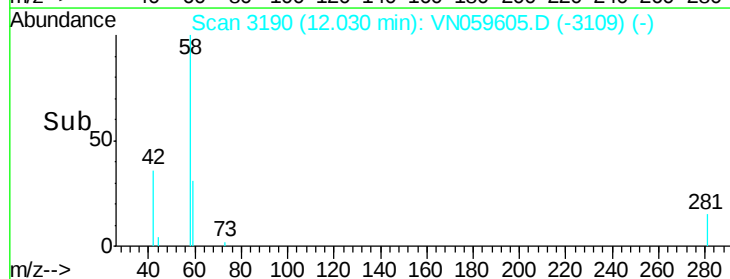
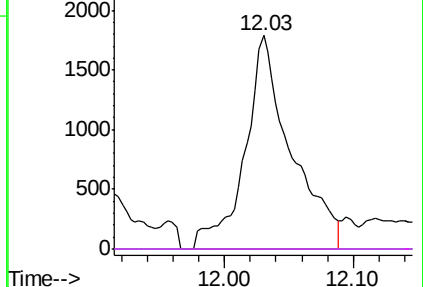


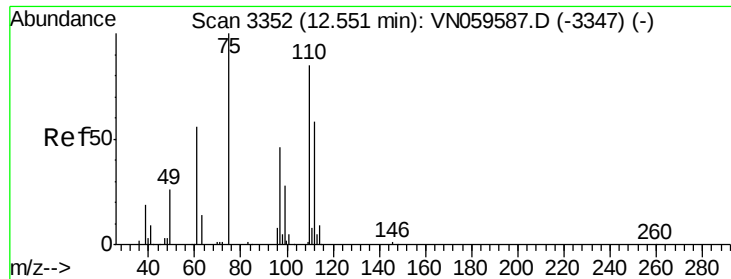
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 25.976 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

Instrument :

MSVOA\_N

ClientSampleId :

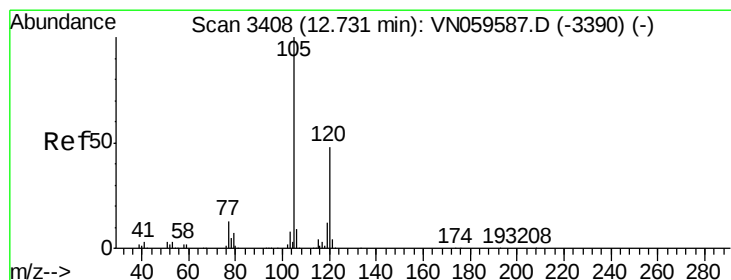
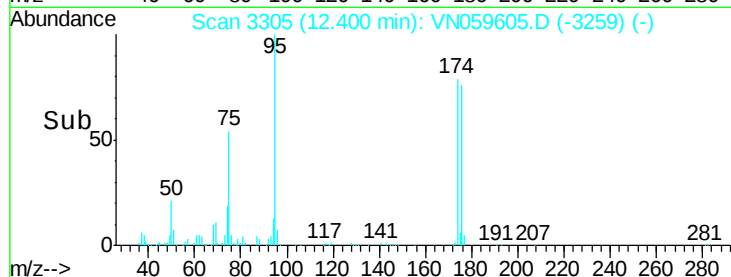
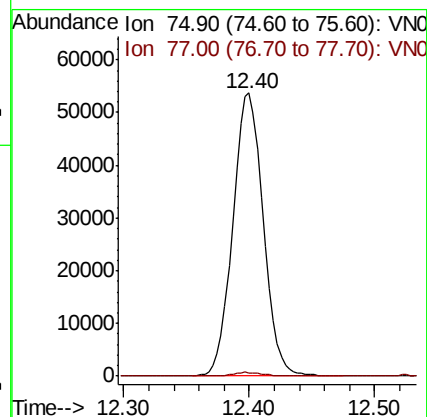
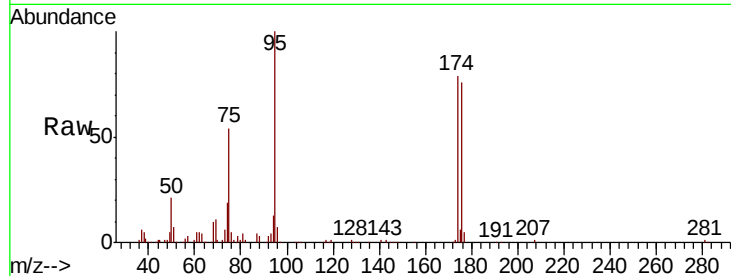
SOIL-CUTTINGS

Tgt Ion: 75 Resp: 90515

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.310 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059605.D

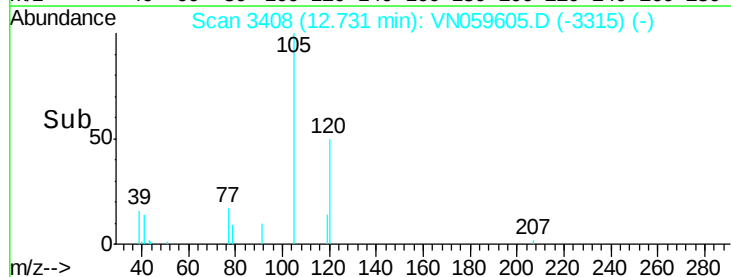
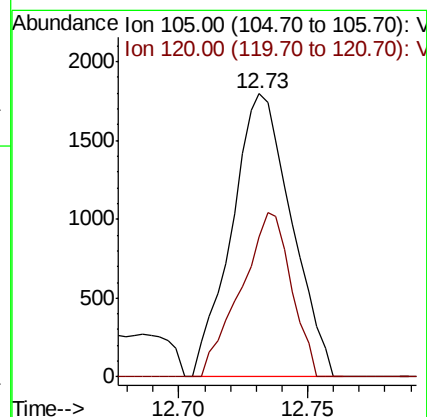
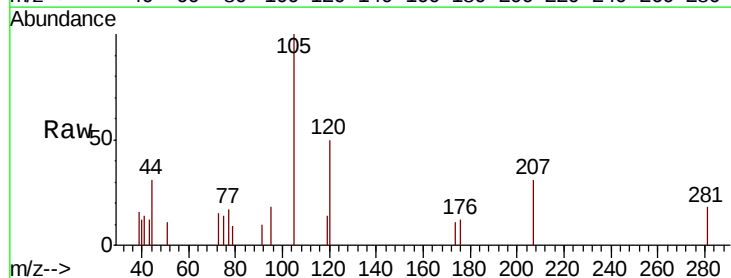
Acq: 16 Dec 2019 16:17

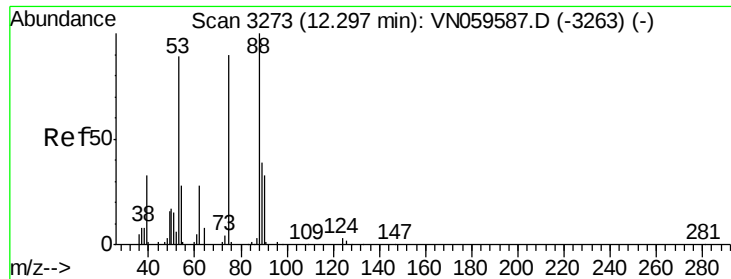
Tgt Ion: 105 Resp: 2895

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.4

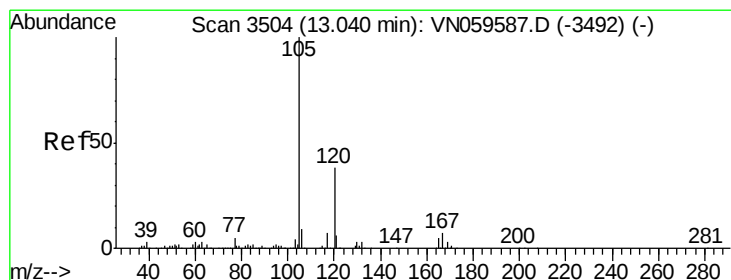
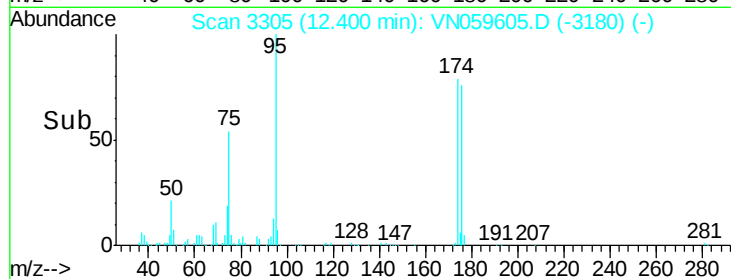
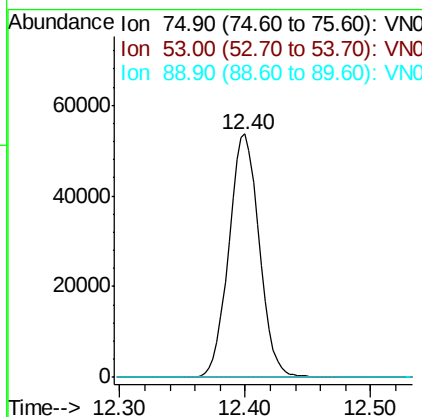
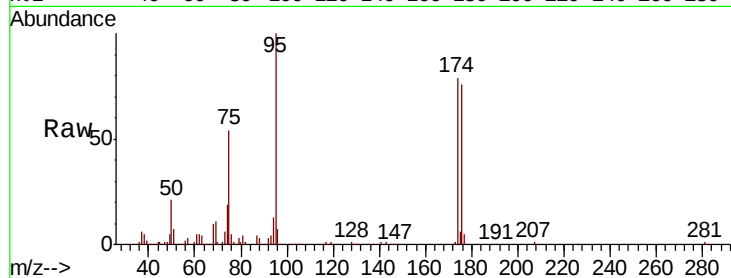




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 64.157 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.10 min  
 Lab File: VN059605.D  
 Acq: 16 Dec 2019 16:17

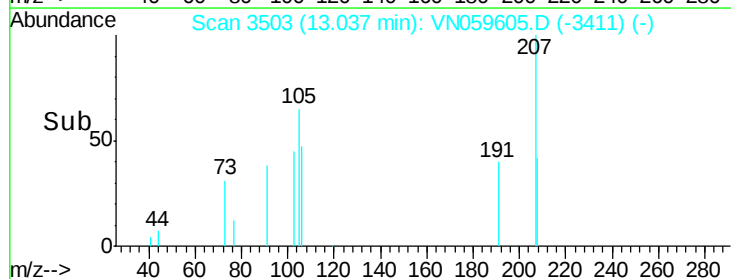
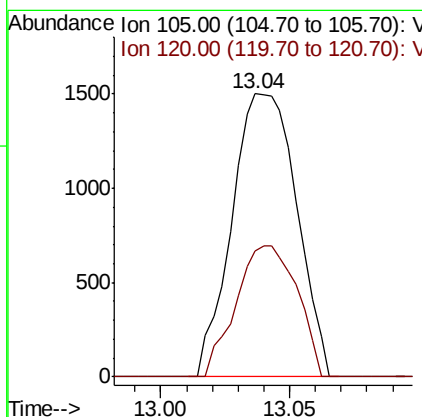
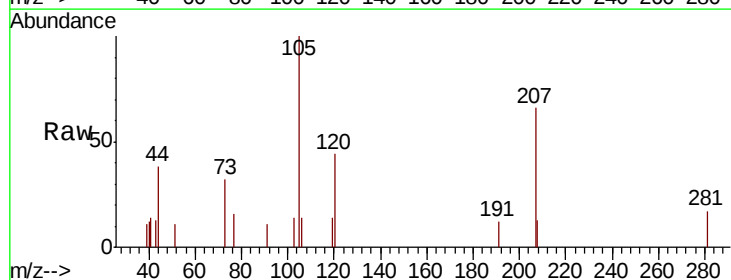
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SOIL-CUTTINGS

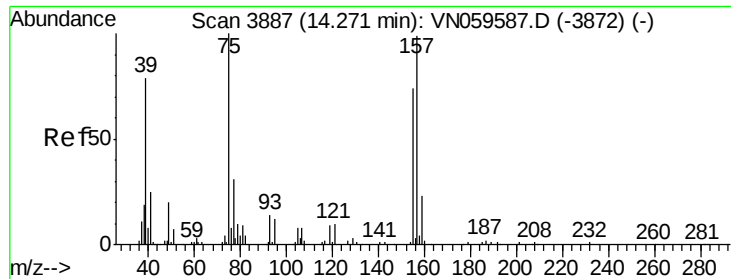
Tgt Ion: 75 Resp: 90515  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 78.1 117.1#  
 89 0.0 35.4 53.2#



#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.283 ug/l  
 RT: 13.04 min Scan# 3503  
 Delta R.T. -0.00 min  
 Lab File: VN059605.D  
 Acq: 16 Dec 2019 16:17

Tgt Ion: 105 Resp: 2630  
 Ion Ratio Lower Upper  
 105 100  
 120 43.8 22.3 66.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.853 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.01 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

Instrument :

MSVOA\_N

ClientSampleId :

SOIL-CUTTINGS

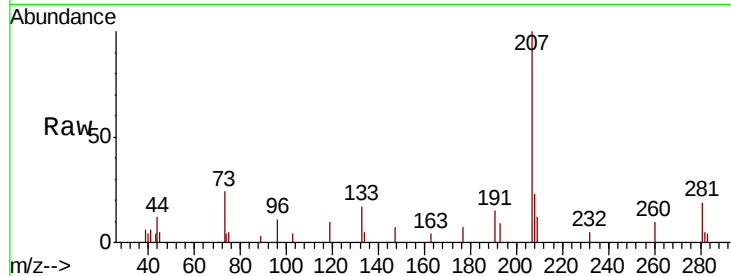
Tgt Ion: 75 Resp: 232

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#

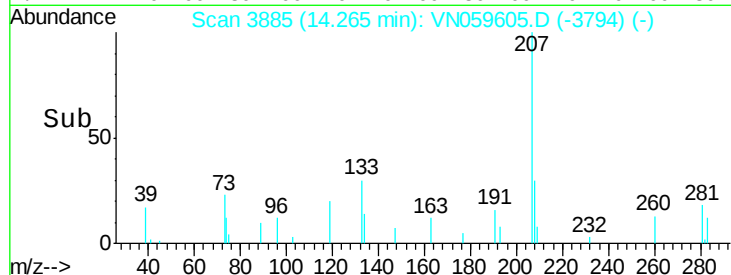


Abundance Ion 74.90 (74.60 to 75.60): VN059587.D (-3872) (-)

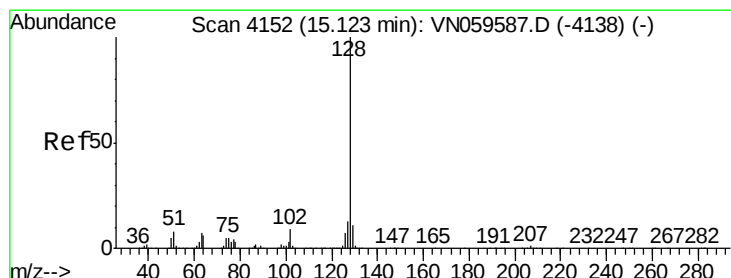
Ion 154.80 (154.50 to 155.50): VN059587.D (-3872) (-)

Ion 156.80 (156.50 to 157.50): VN059587.D (-3872) (-)

Time-->



Time-->



#95

Naphthalene

Concen: 0.590 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059605.D

Acq: 16 Dec 2019 16:17

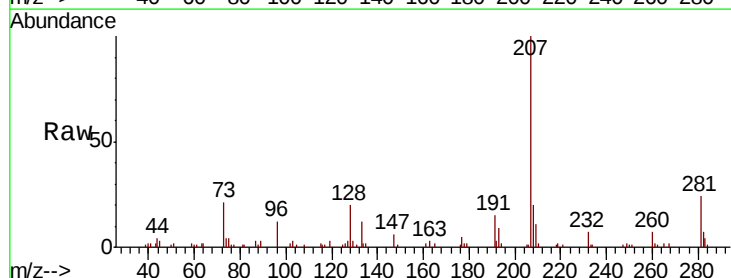
Tgt Ion: 128 Resp: 5605

Ion Ratio Lower Upper

128 100

127 14.8 10.4 15.6

129 12.5 8.6 12.8

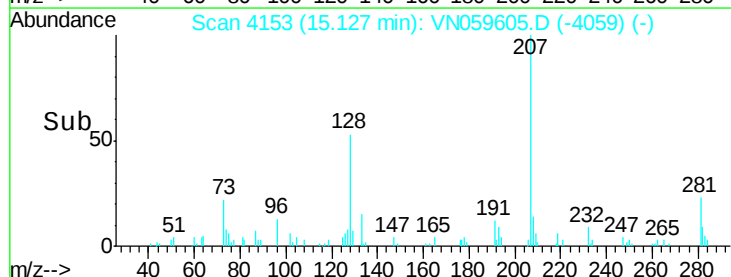


Abundance Ion 128.00 (127.70 to 128.70): VN059587.D (-4138) (-)

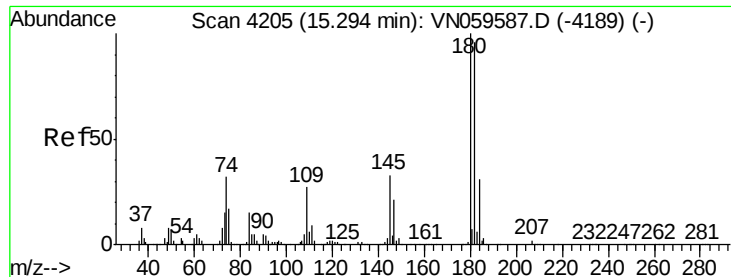
Ion 127.00 (126.70 to 127.70): VN059587.D (-4138) (-)

Ion 129.00 (128.70 to 129.70): VN059587.D (-4138) (-)

Time-->



Time-->



#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.227 ug/l  
 RT: 15.30 min Scan# 4207  
 Delta R.T. 0.01 min  
 Lab File: VN059605.D  
 Acq: 16 Dec 2019 16:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SOIL-CUTTINGS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 69.2  | 47.4  | 142.3 |
| 145     | 85.8  | 16.3  | 48.9  |

