

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\  
 Data File : VN064749.D  
 Acq On : 19 Nov 2020 21:38  
 Operator : JC/MD  
 Sample : L4771-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ND-SOIL

Quant Time: Nov 20 05:36:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N111820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 18 15:29:54 2020  
 Response via : Initial Calibration

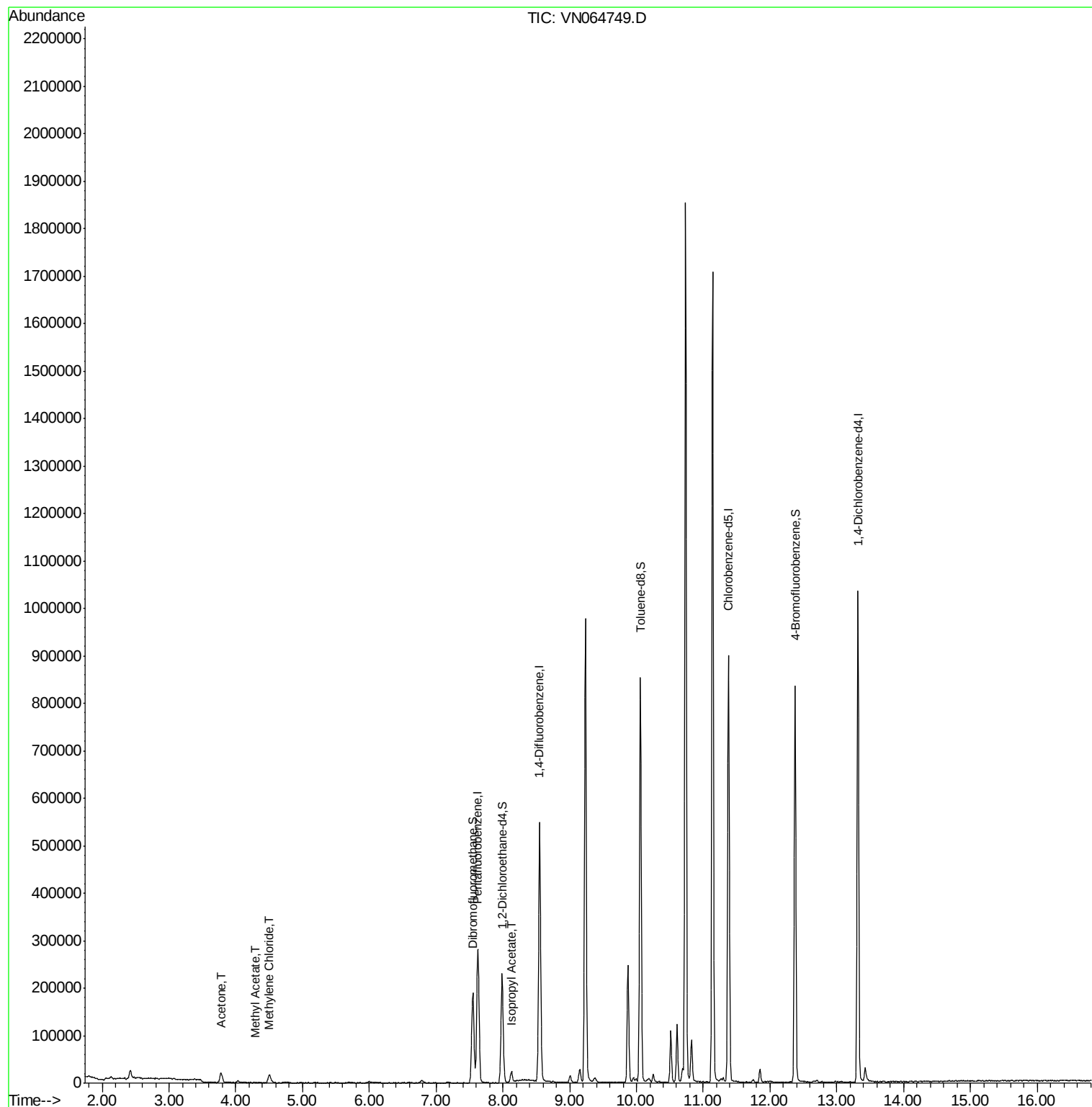
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 202384   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 456193   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 476021   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 261930   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 205427   | 57.70  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 115.40% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 139950   | 53.90  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.80% |          |
| 50) Toluene-d8              | 10.06 | 98   | 570526   | 48.35  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.70%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 291921   | 66.18  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 132.36% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 35069    | 44.951 | ug/l    | 90       |
| 18) Methyl Acetate          | 4.29  | 43   | 1766     | 1.992  | ug/l #  | 70       |
| 20) Methylene Chloride      | 4.51  | 84   | 11090    | 4.206  | ug/l    | 94       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 28474    | 3.738  | ug/l    | 99       |

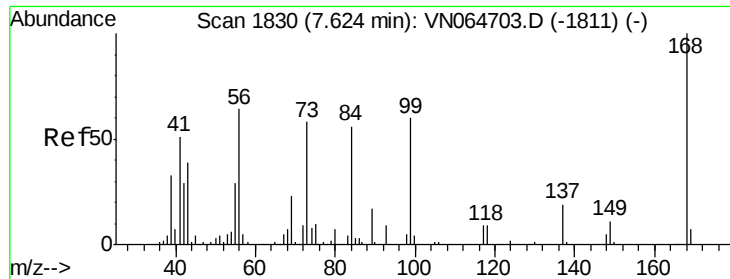
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111920\  
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Quant Title : SW846 8260  
QLast Update : Wed Nov 18 15:29:54 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064749.D

Acq: 19 Nov 2020 21:38

Instrument :

MSVOA\_N

ClientSampleId :

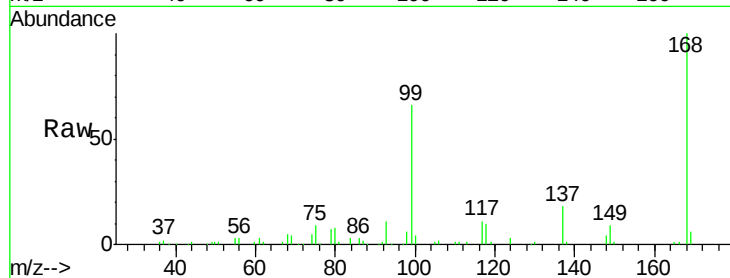
ND-SOIL

Tot Ion:168 Resp: 202384

Ion Ratio Lower Upper

168 100

99 66.2 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

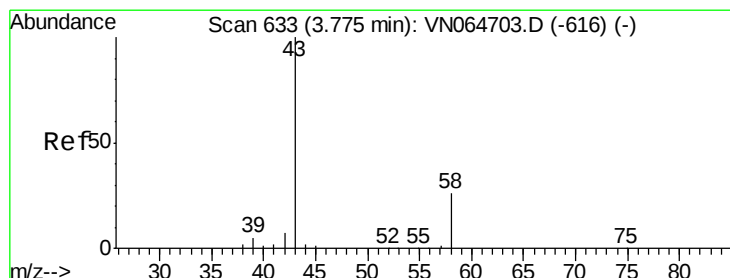
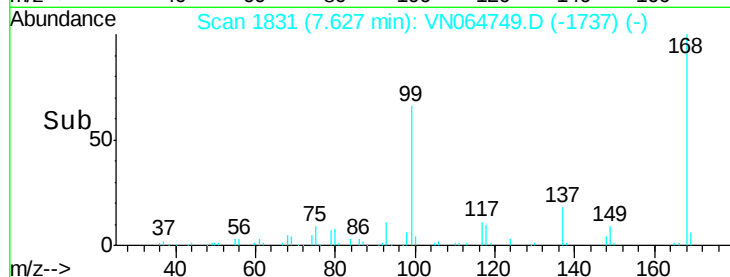
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 44.951 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064749.D

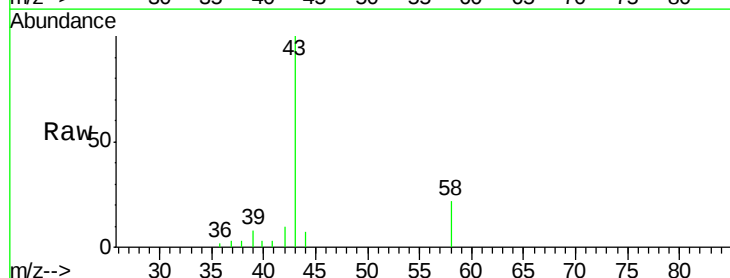
Acq: 19 Nov 2020 21:38

Tgt Ion: 43 Resp: 35069

Ion Ratio Lower Upper

43 100

58 21.6 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

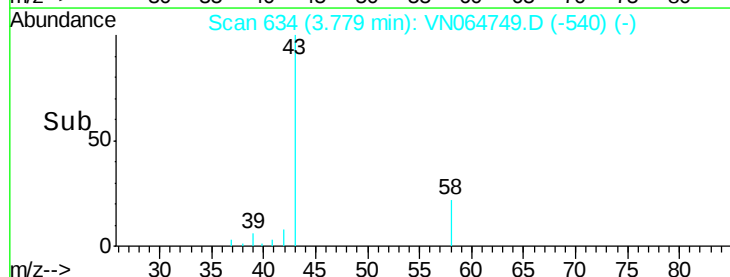
15000

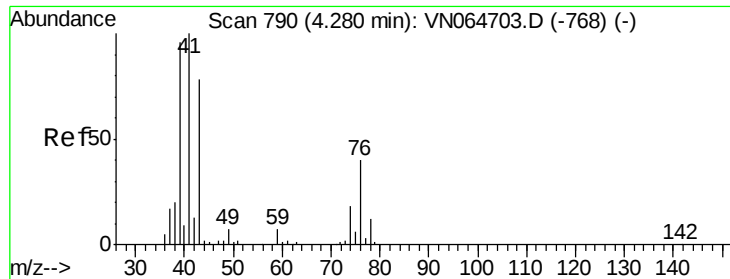
10000

5000

0

Time--> 3.70 3.75 3.80 3.85

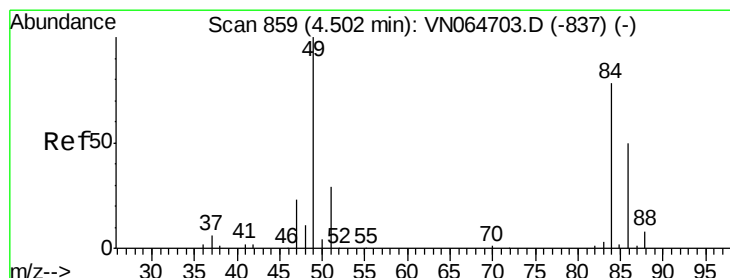
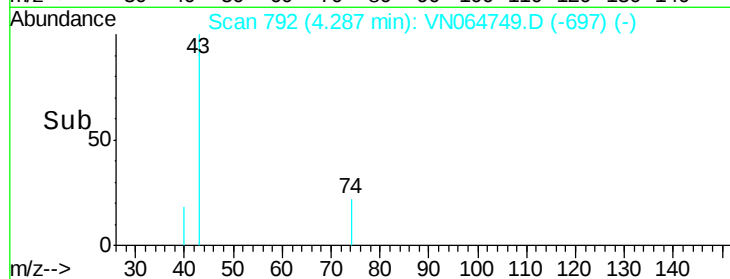
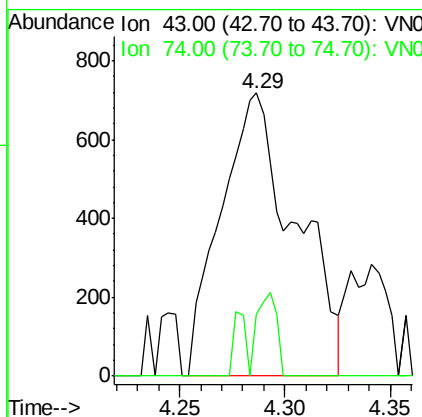
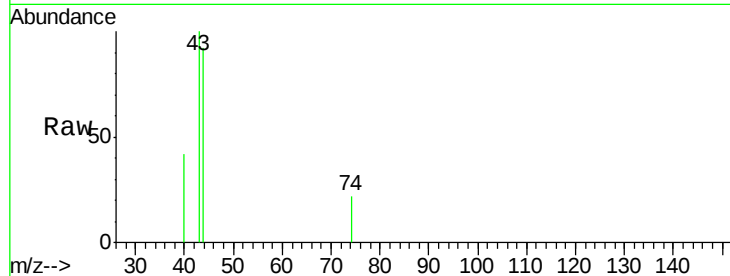




#18  
Methyl Acetate  
Concen: 1.992 ug/l  
RT: 4.29 min Scan# 792  
Delta R.T. 0.01 min  
Lab File: VN064749.D  
Acq: 19 Nov 2020 21:38

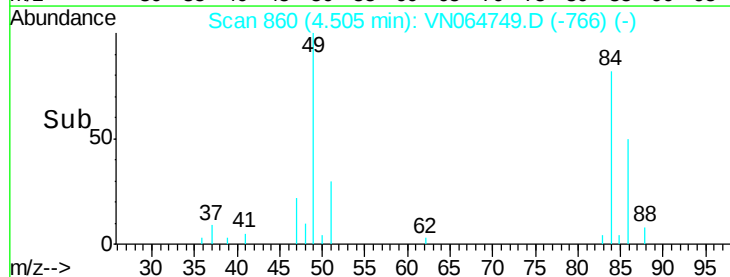
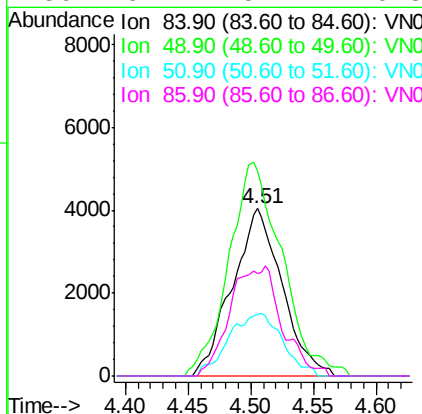
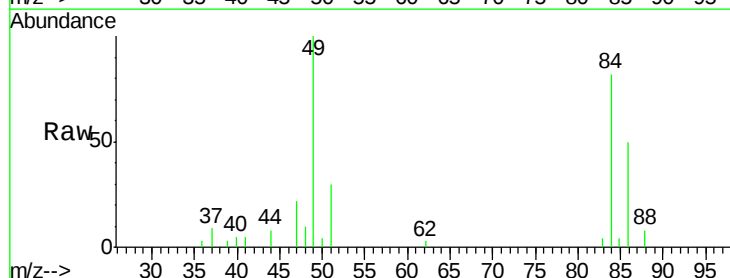
Instrument :  
MSVOA\_N  
ClientSampled :  
ND-SOIL

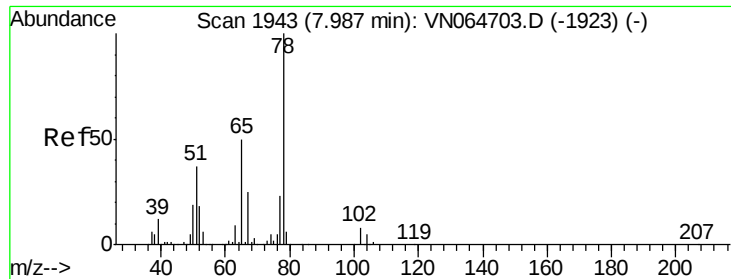
Tot Ion: 43 Resp: 1766  
Ion Ratio Lower Upper  
43 100  
74 7.8 17.6 26.4#



#20  
Methylene Chloride  
Concen: 4.206 ug/l  
RT: 4.51 min Scan# 860  
Delta R.T. 0.00 min  
Lab File: VN064749.D  
Acq: 19 Nov 2020 21:38

Tgt Ion: 84 Resp: 11090  
Ion Ratio Lower Upper  
84 100  
49 118.7 102.4 153.6  
51 36.5 29.4 44.2  
86 61.2 51.2 76.8

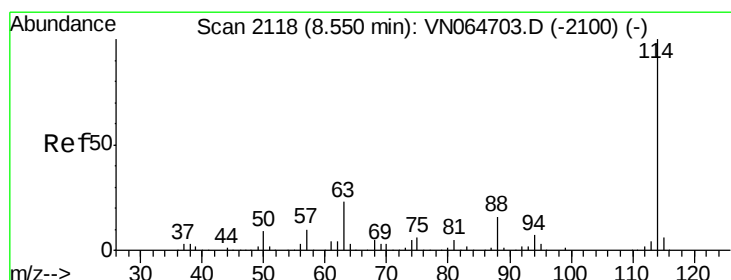
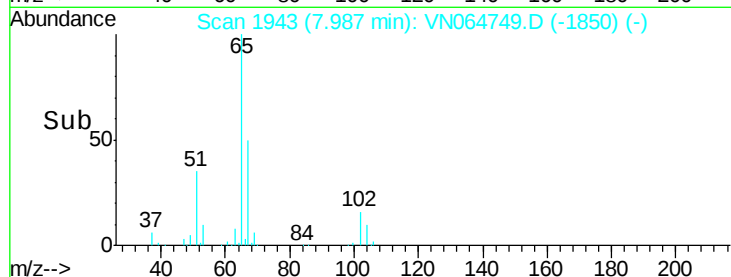
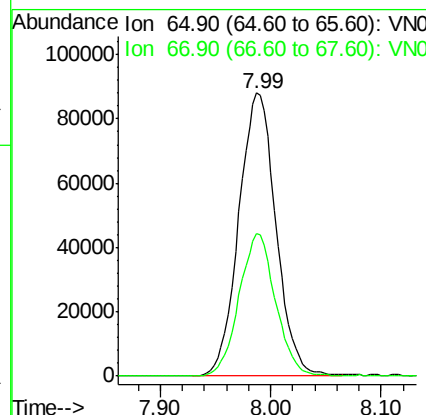
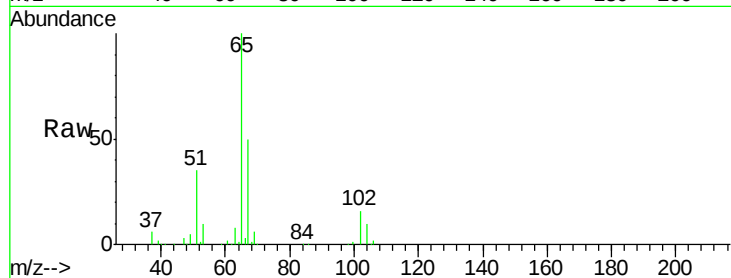




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.700 ug/l  
 RT: 7.99 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VN064749.D  
 Acq: 19 Nov 2020 21:38

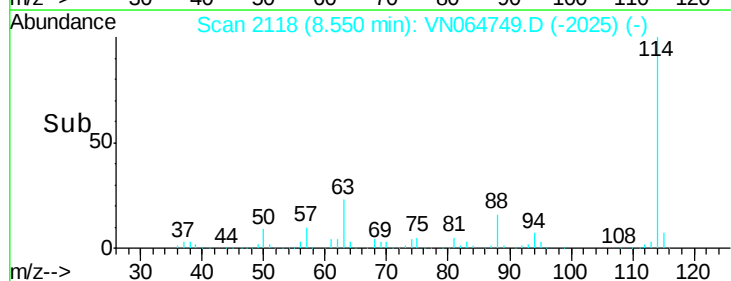
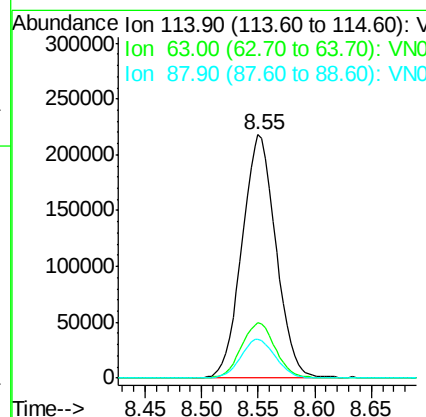
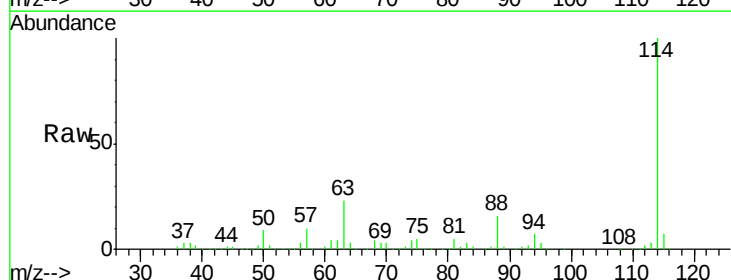
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ND-SOIL

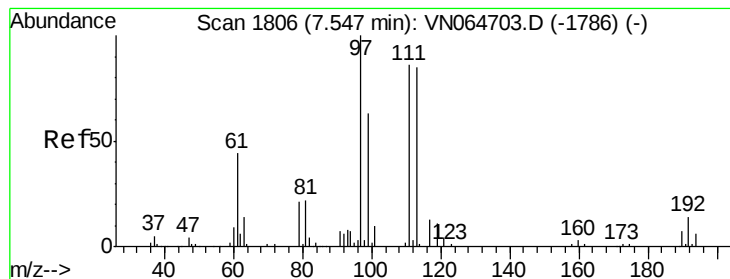
Tot Ion: 65 Resp: 205427  
 Ion Ratio Lower Upper  
 65 100  
 67 49.4 0.0 99.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN064749.D  
 Acq: 19 Nov 2020 21:38

Tgt Ion: 114 Resp: 456193  
 Ion Ratio Lower Upper  
 114 100  
 63 22.9 0.0 46.0  
 88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 53.899 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN064749.D

Acq: 19 Nov 2020 21:38

Instrument :

MSVOA\_N

ClientSampleId :

ND-SOIL

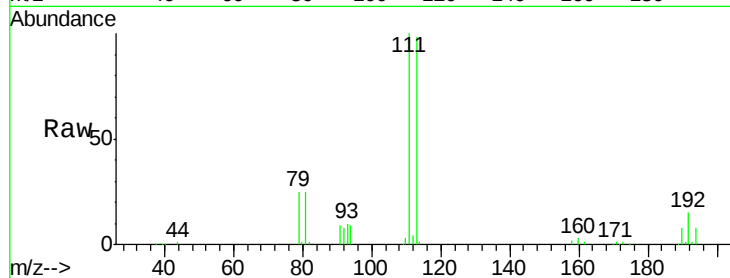
Tot Ion:113 Resp: 139950

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.4

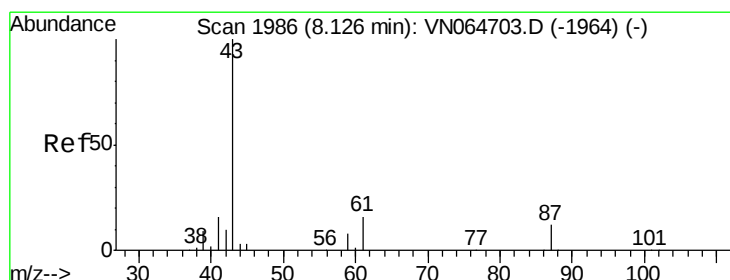
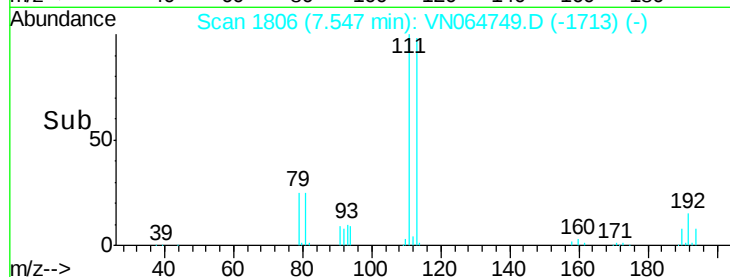
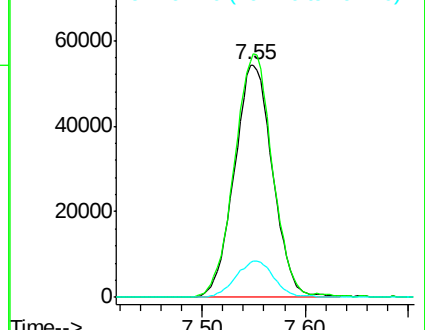
192 15.7 12.7 19.1



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



#43

Isopropyl Acetate

Concen: 3.738 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064749.D

Acq: 19 Nov 2020 21:38

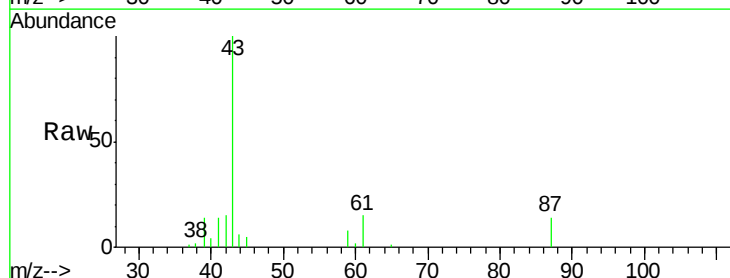
Tgt Ion: 43 Resp: 28474

Ion Ratio Lower Upper

43 100

61 17.9 14.1 21.1

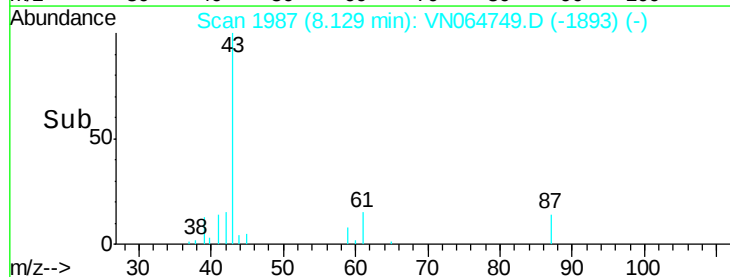
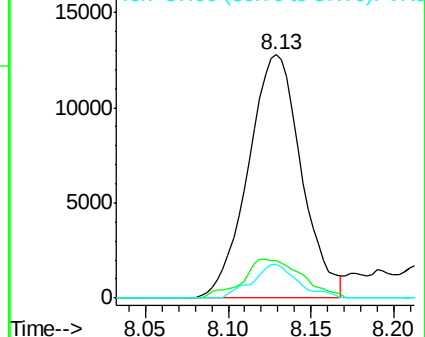
87 11.9 9.1 13.7

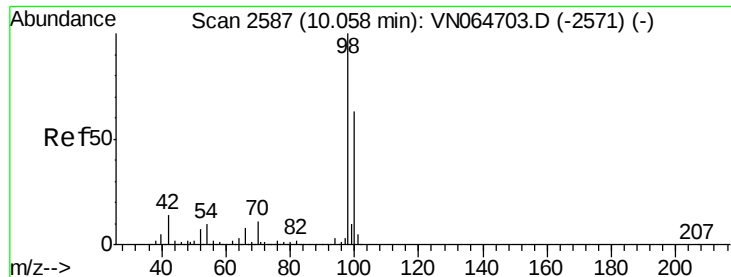


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 48.346 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064749.D

Acq: 19 Nov 2020 21:38

Instrument :

MSVOA\_N

ClientSampleId :

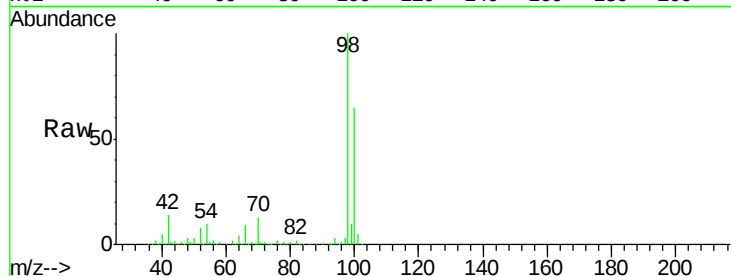
ND-SOIL

Tot Ion: 98 Resp: 570526

Ion Ratio Lower Upper

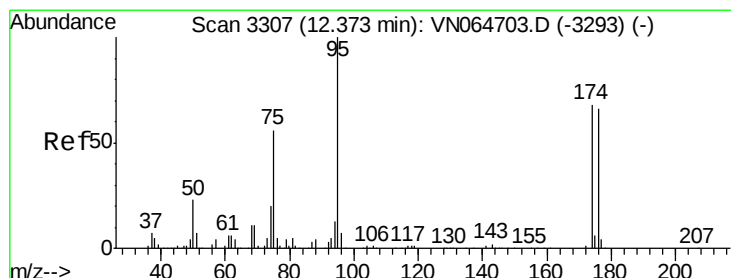
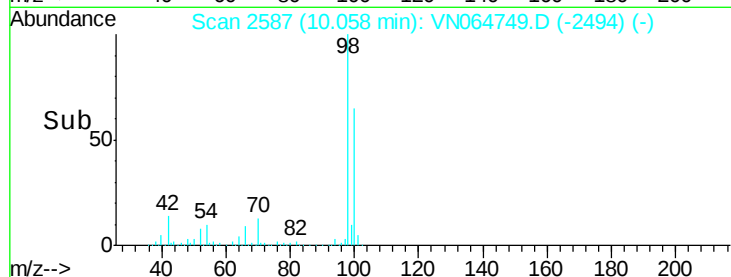
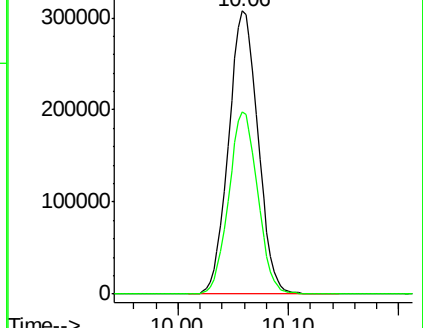
98 100

100 63.4 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN064703.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064703.D (-2571) (-)



#62

4-Bromofluorobenzene

Concen: 66.182 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064749.D

Acq: 19 Nov 2020 21:38

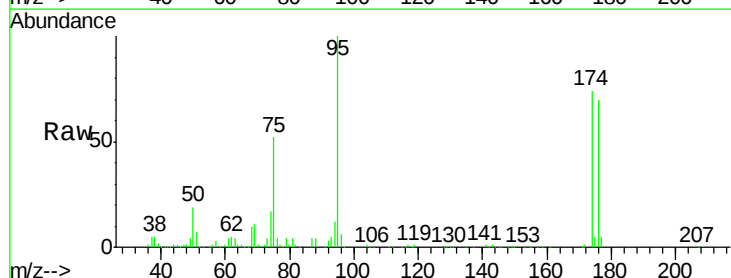
Tgt Ion: 95 Resp: 291921

Ion Ratio Lower Upper

95 100

174 72.4 0.0 136.8

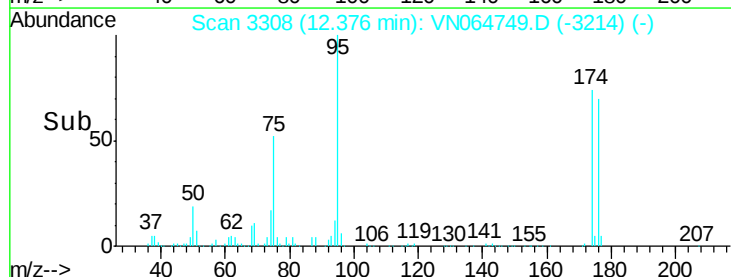
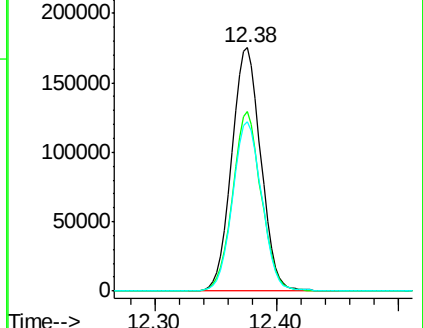
176 69.8 0.0 134.2

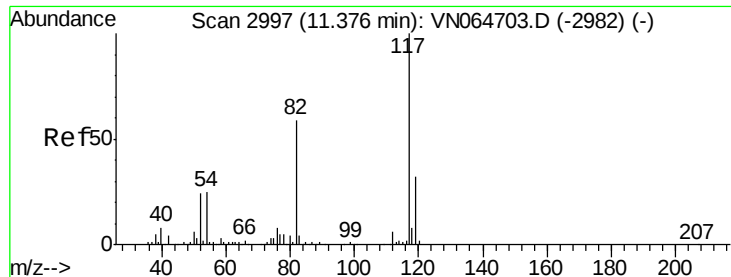


Abundance Ion 94.90 (94.60 to 95.60): VN064703.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064703.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064703.D (-3293) (-)

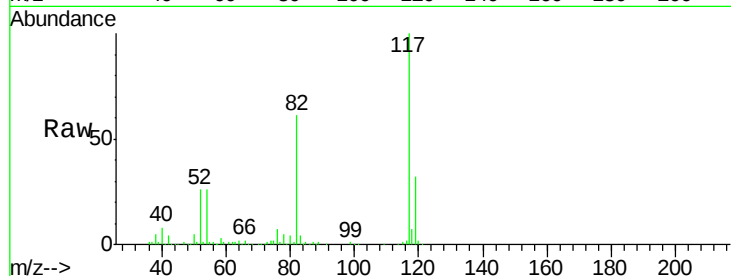




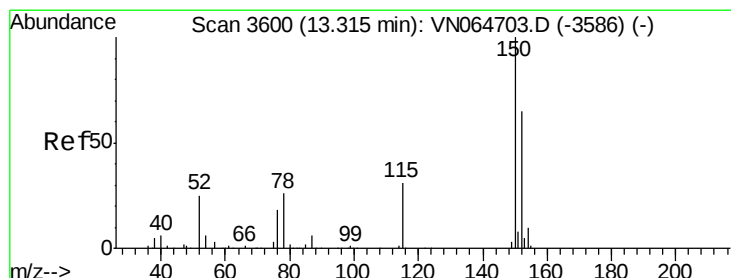
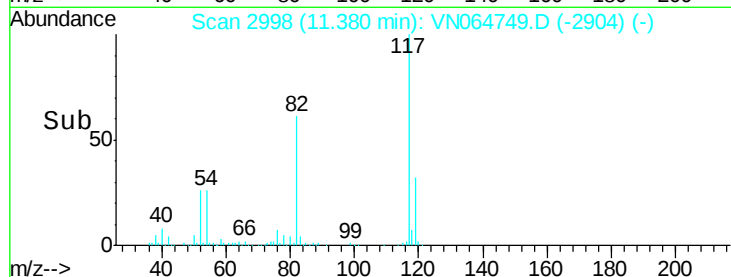
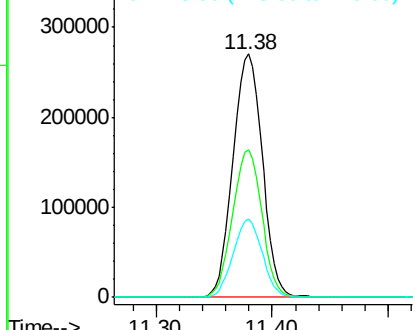
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN064749.D  
Acq: 19 Nov 2020 21:38

Instrument :  
MSVOA\_N  
ClientSampled :  
ND-SOIL

Tot Ion:117 Resp: 476021  
Ion Ratio Lower Upper  
117 100  
82 60.8 47.0 70.6  
119 32.1 25.4 38.2

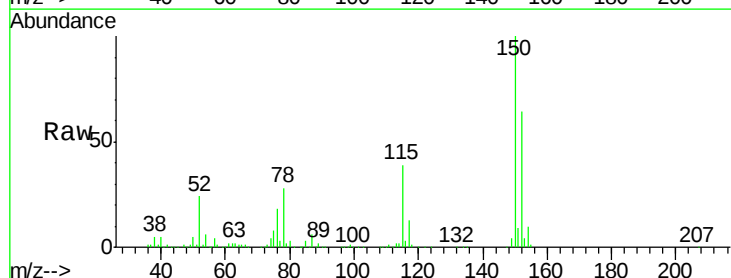


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN064749.D  
Acq: 19 Nov 2020 21:38

Tgt Ion:152 Resp: 261930  
Ion Ratio Lower Upper  
152 100  
115 63.6 32.1 96.3  
150 159.4 0.0 344.8



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

