

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112619\  
 Data File : VN059413.D  
 Acq On : 26 Nov 2019 17:42  
 Operator : JC/SP  
 Sample : K6025-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SOIL-CUTTINGS

Quant Time: Nov 27 07:53:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112019W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 21 08:44:45 2019  
 Response via : Initial Calibration

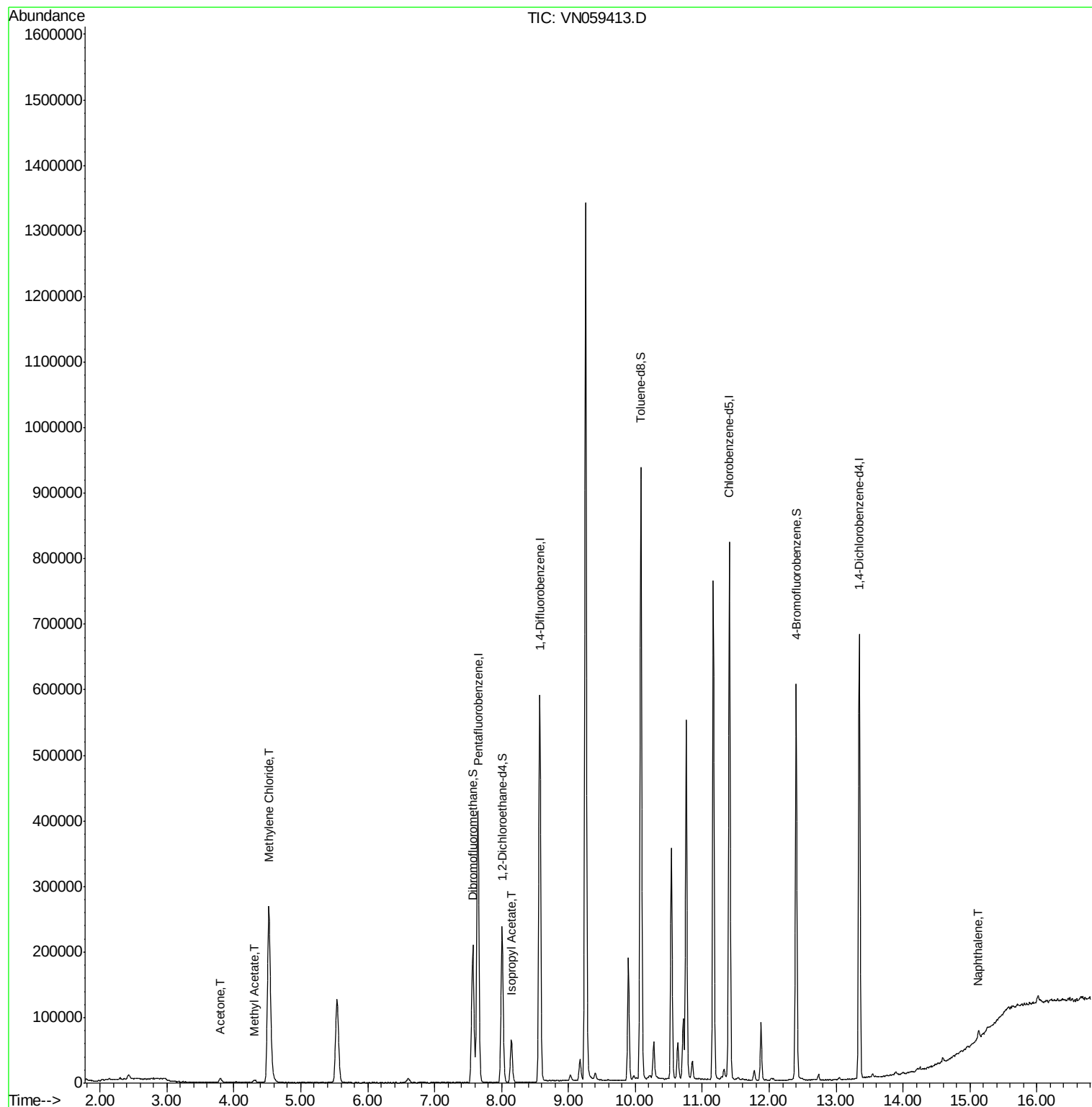
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 354936   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 544582   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 485299   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 188833   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 197748   | 46.43  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.86%  |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 162983   | 49.88  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.76%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 666290   | 51.30  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.60% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 219289   | 48.29  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.58%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.80  | 43   | 10394    | 5.443  | ug/l    | 99       |
| 18) Methyl Acetate          | 4.31  | 43   | 7382     | 1.165  | ug/l #  | 85       |
| 20) Methylene Chloride      | 4.52  | 84   | 217624   | 50.533 | ug/l    | 99       |
| 43) Isopropyl Acetate       | 8.15  | 43   | 76469    | 8.281  | ug/l #  | 92       |
| 95) Naphthalene             | 15.13 | 128  | 11954    | 4.174  | ug/l    | 99       |

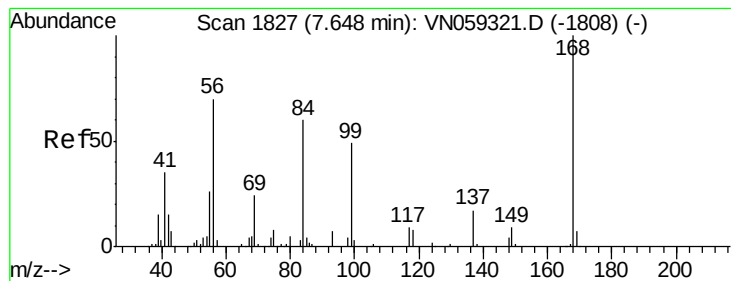
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112619\  
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SOIL-CUTTINGS

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N112019W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 21 08:44:45 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059413.D

Acq: 26 Nov 2019 17:42

Instrument :

MSVOA\_N

ClientSampleId :

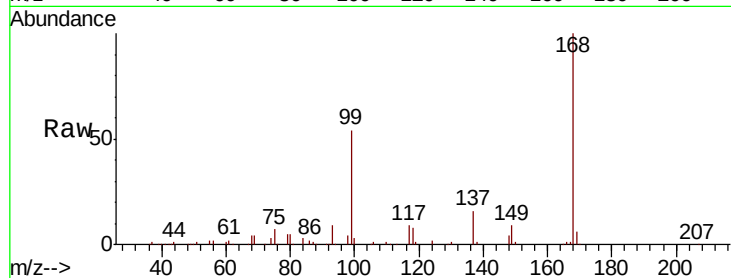
SOIL-CUTTINGS

Tot Ion:168 Resp: 354936

Ion Ratio Lower Upper

168 100

99 53.9 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059413.D (-1734) (-)

Ion 98.90 (98.60 to 99.60): VN059413.D (-1734) (-)

7.65

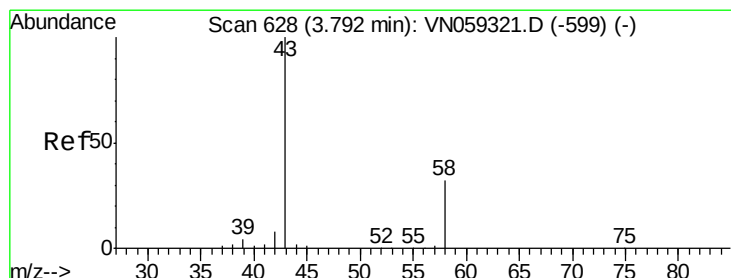
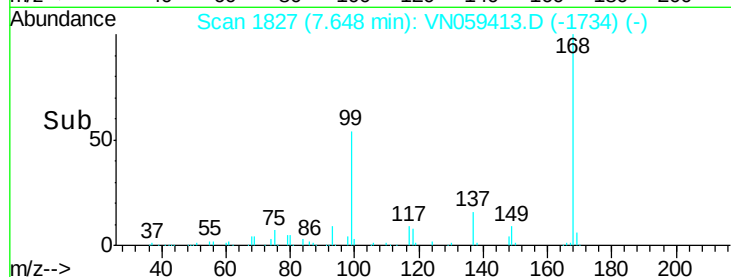
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 5.443 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN059413.D

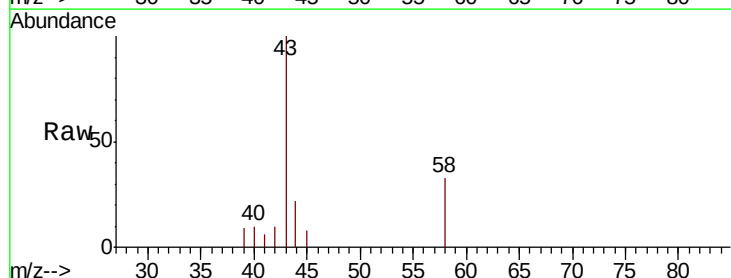
Acq: 26 Nov 2019 17:42

Tgt Ion: 43 Resp: 10394

Ion Ratio Lower Upper

43 100

58 33.0 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VN059413.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN059413.D (-535) (-)

3.80

4000

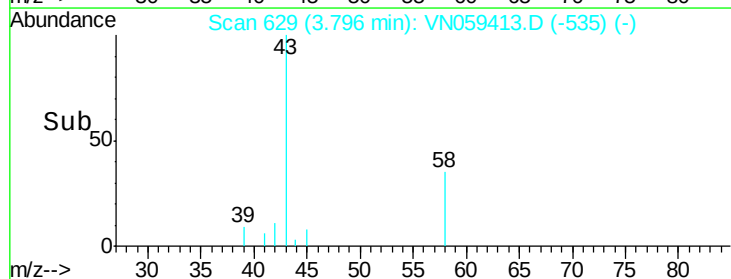
3000

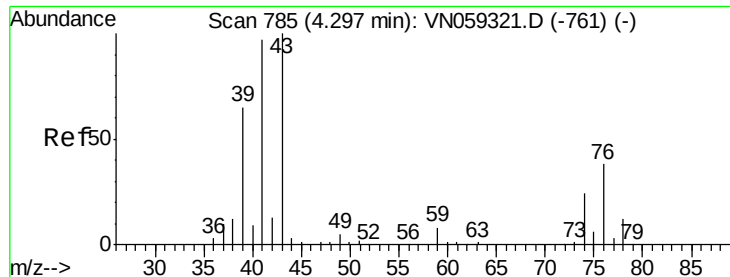
2000

1000

0

Time--> 3.70 3.80 3.90

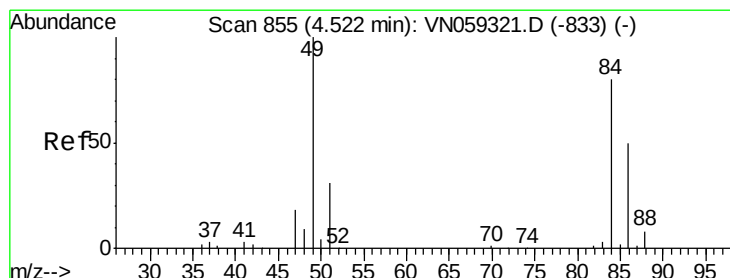
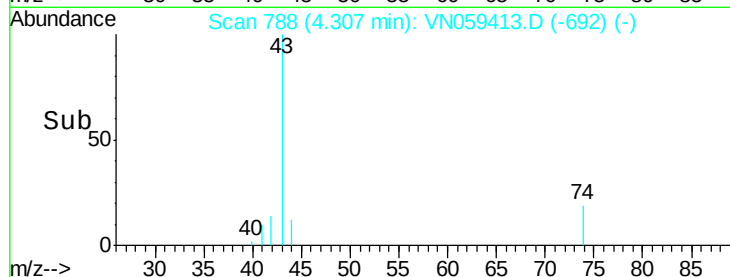
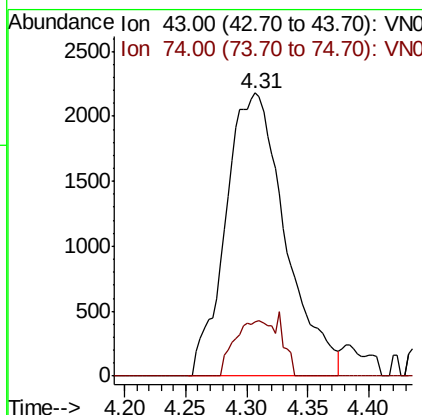
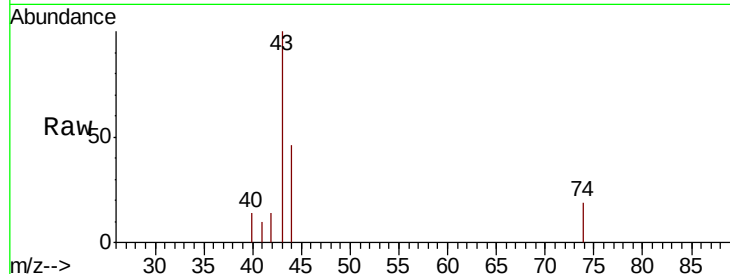




#18  
Methyl Acetate  
Concen: 1.165 ug/l  
RT: 4.31 min Scan# 788  
Delta R.T. 0.01 min  
Lab File: VN059413.D  
Acq: 26 Nov 2019 17:42

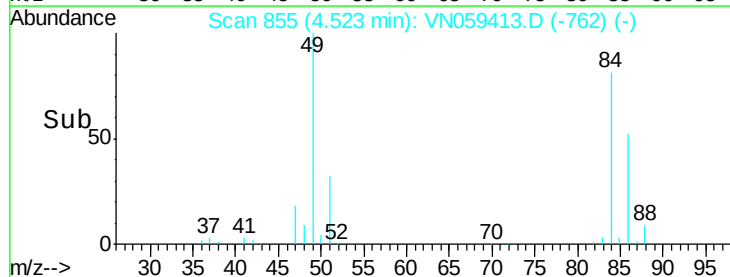
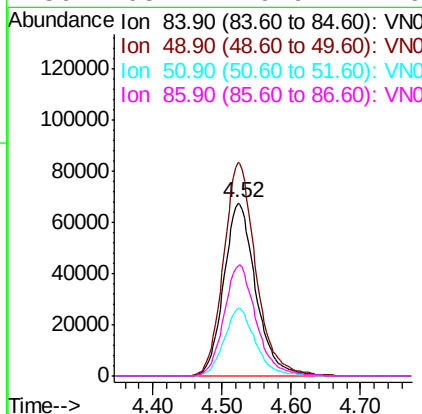
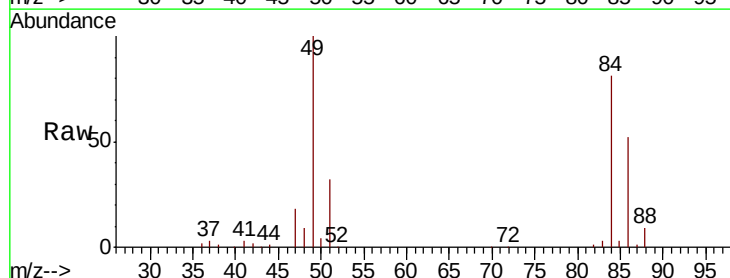
Instrument :  
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SOIL-CUTTINGS

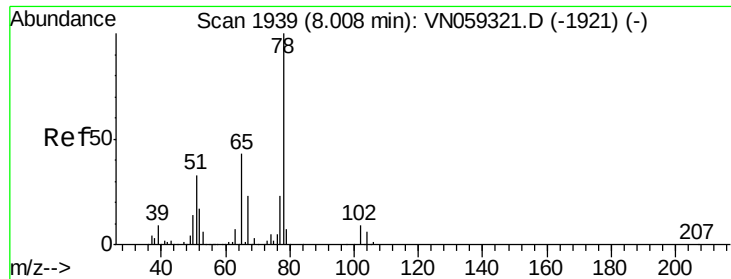
Tot Ion: 43 Resp: 7382  
Ion Ratio Lower Upper  
43 100  
74 15.4 18.1 27.1#



#20  
Methylene Chloride  
Concen: 50.533 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: VN059413.D  
Acq: 26 Nov 2019 17:42

Tgt Ion: 84 Resp: 217624  
Ion Ratio Lower Upper  
84 100  
49 123.5 99.5 149.3  
51 39.4 31.1 46.7  
86 63.7 49.9 74.9

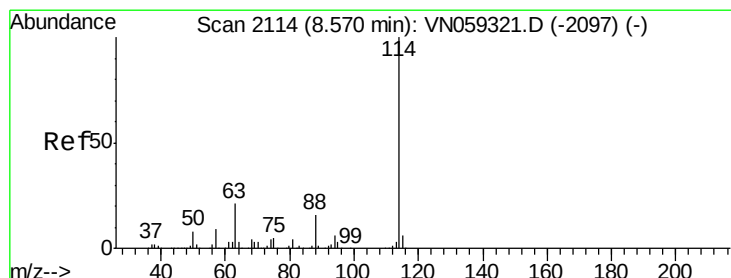
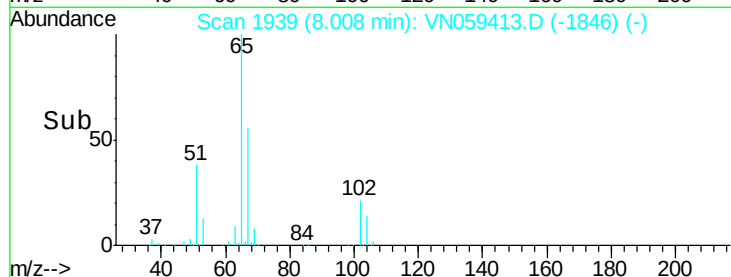
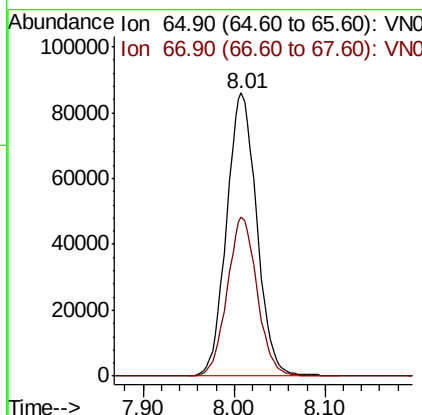
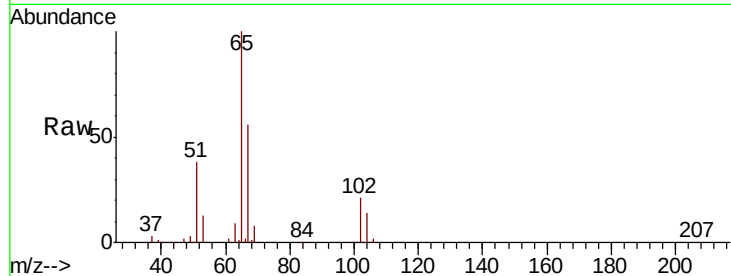




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.434 ug/l  
 RT: 8.01 min Scan# 1939  
 Delta R.T. 0.00 min  
 Lab File: VN059413.D  
 Acq: 26 Nov 2019 17:42

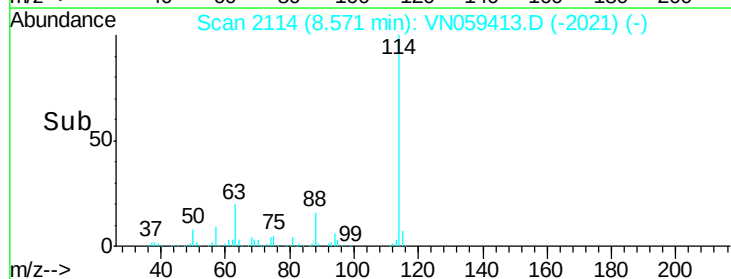
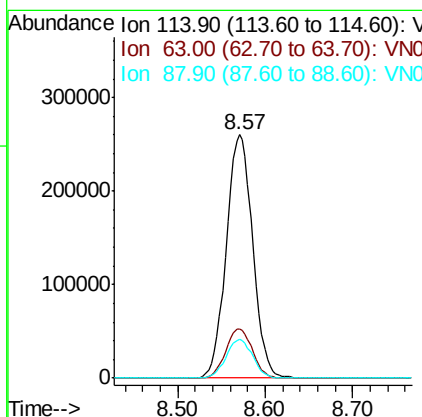
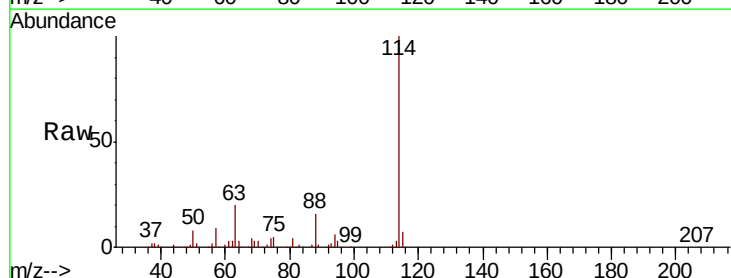
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 SOIL-CUTTINGS

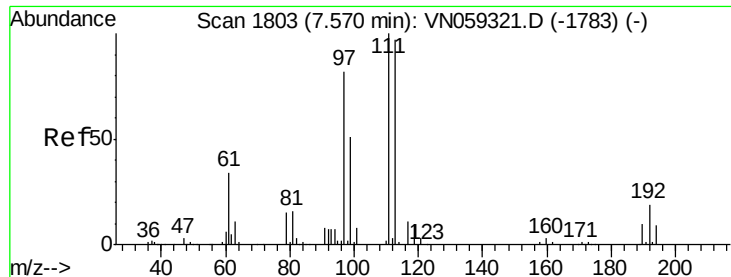
Tot Ion: 65 Resp: 197748  
 Ion Ratio Lower Upper  
 65 100  
 67 55.7 0.0 109.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VN059413.D  
 Acq: 26 Nov 2019 17:42

Tgt Ion: 114 Resp: 544582  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 42.2  
 88 15.9 0.0 32.2

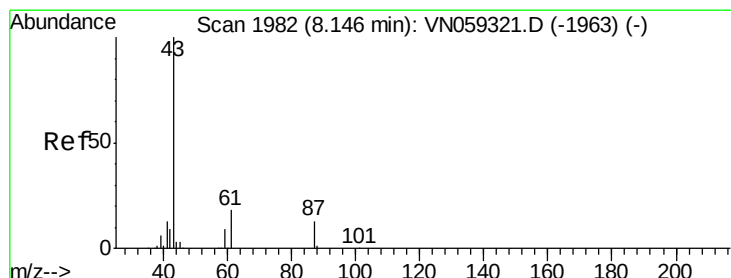
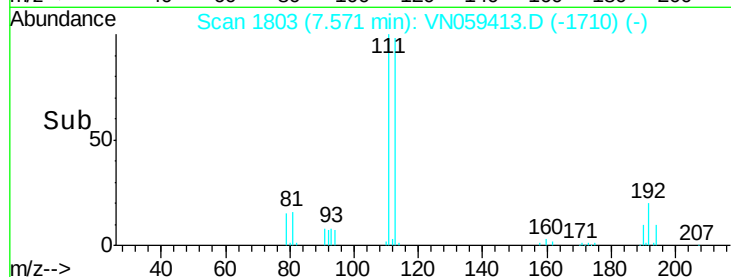
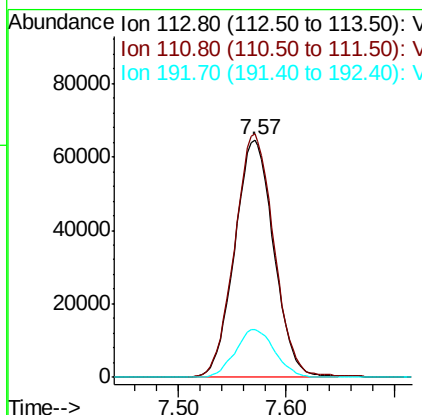
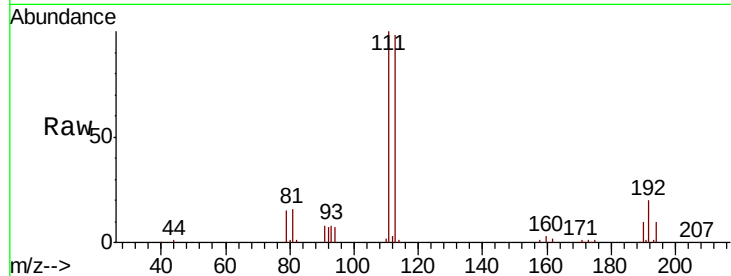




#35  
 Dibromofluoromethane  
 Concen: 49.885 ug/l  
 RT: 7.57 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VN059413.D  
 Acq: 26 Nov 2019 17:42

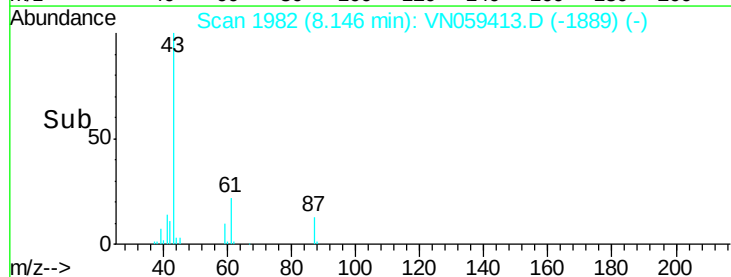
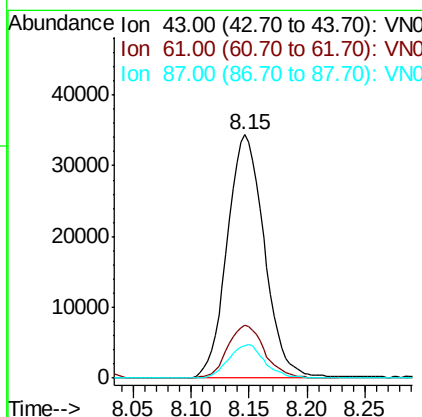
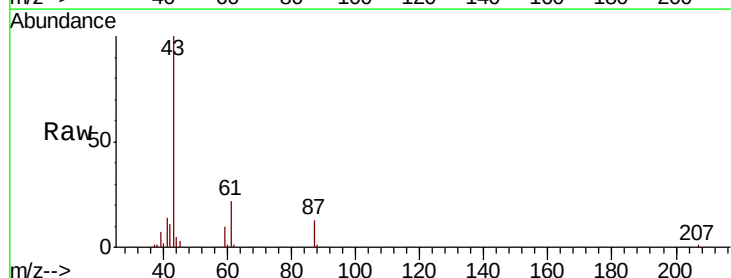
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SOIL-CUTTINGS

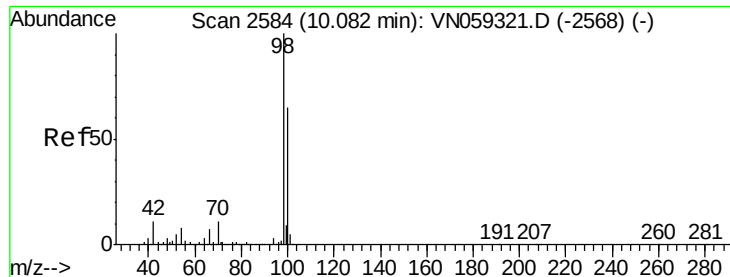
Tot Ion:113 Resp: 162983  
 Ion Ratio Lower Upper  
 113 100  
 111 103.6 82.7 124.1  
 192 20.4 16.3 24.5



#43  
 Isopropyl Acetate  
 Concen: 8.281 ug/l  
 RT: 8.15 min Scan# 1982  
 Delta R.T. 0.00 min  
 Lab File: VN059413.D  
 Acq: 26 Nov 2019 17:42

Tgt Ion: 43 Resp: 76469  
 Ion Ratio Lower Upper  
 43 100  
 61 21.5 21.7 32.5#  
 87 13.2 10.2 15.4

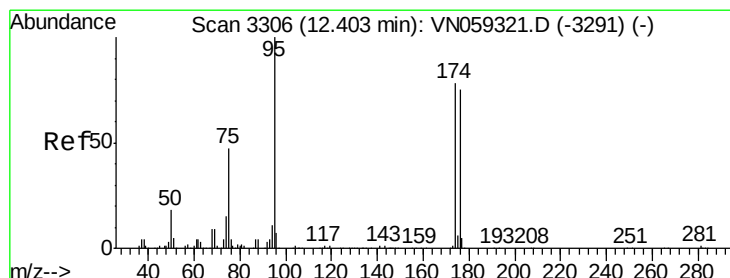
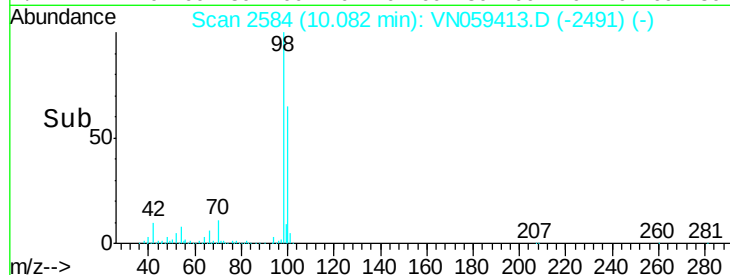
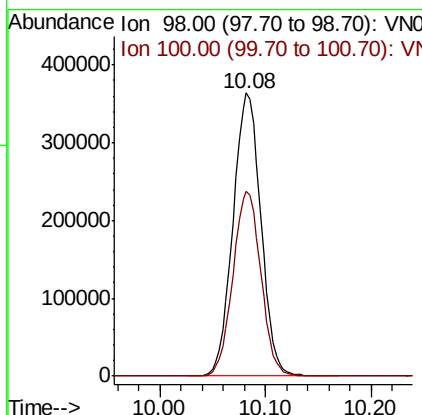
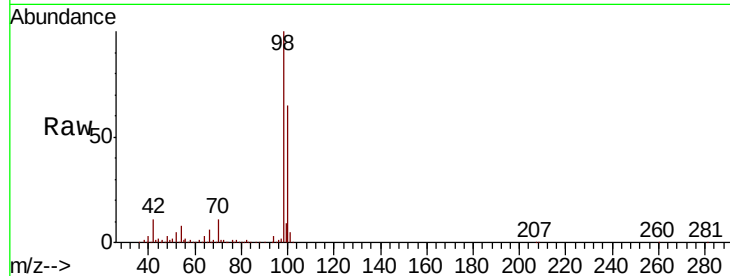




#50  
Toluene-d8  
Concen: 51.298 ug/l  
RT: 10.08 min Scan# 2584  
Delta R.T. 0.00 min  
Lab File: VN059413.D  
Acq: 26 Nov 2019 17:42

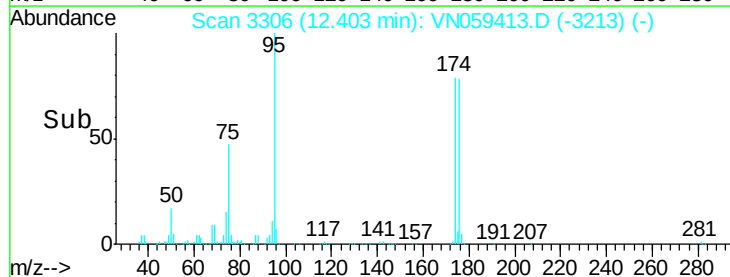
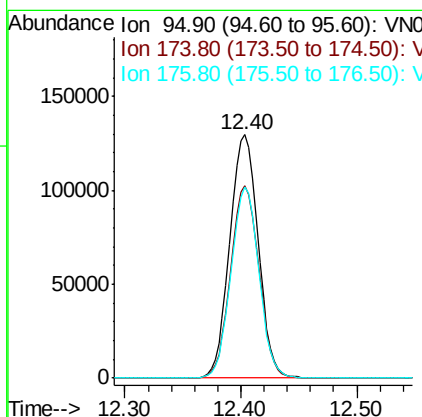
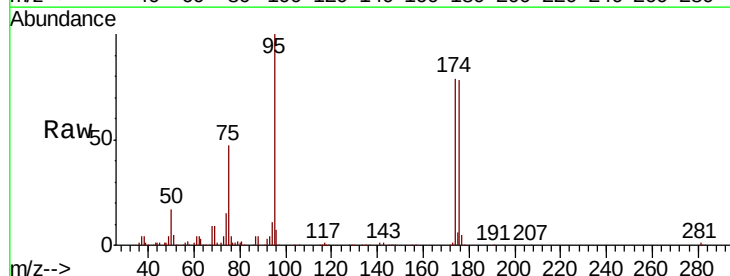
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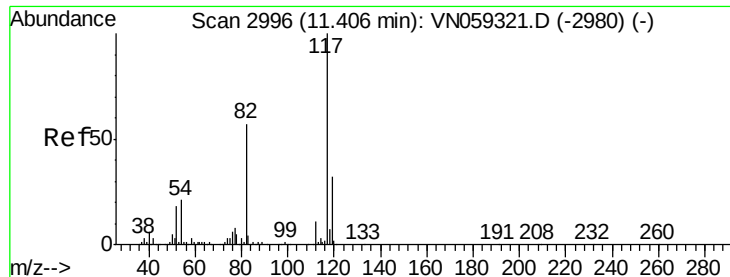
Tot Ion: 98 Resp: 666290  
Ion Ratio Lower Upper  
98 100  
100 65.4 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 48.286 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN059413.D  
Acq: 26 Nov 2019 17:42

Tgt Ion: 95 Resp: 219289  
Ion Ratio Lower Upper  
95 100  
174 79.2 0.0 157.4  
176 77.1 0.0 151.2

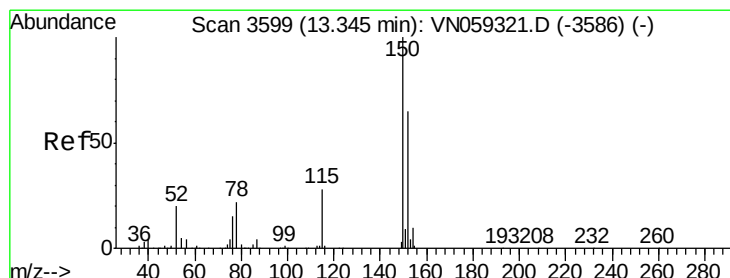
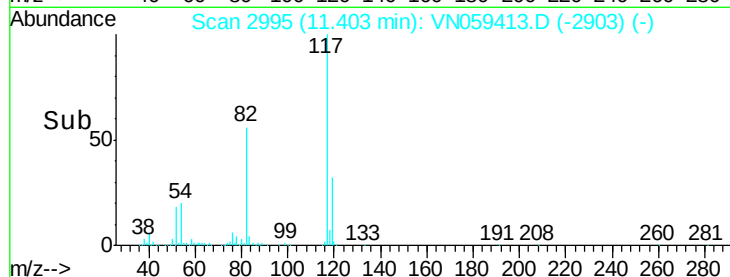
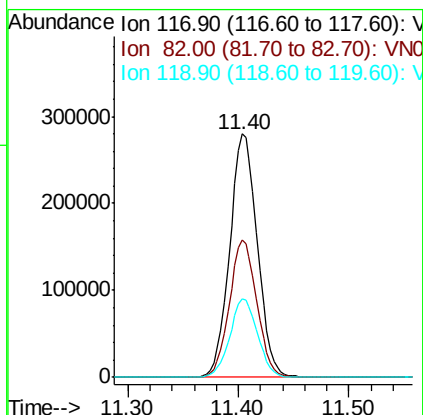
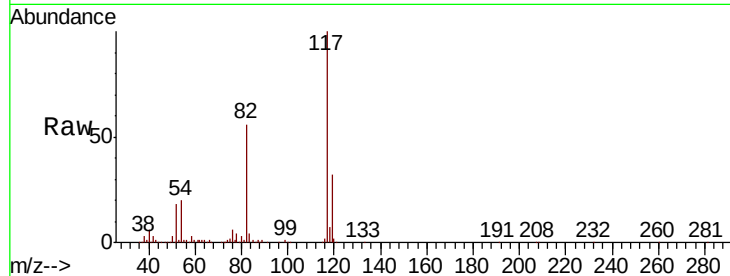




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. -0.00 min  
Lab File: VN059413.D  
Acq: 26 Nov 2019 17:42

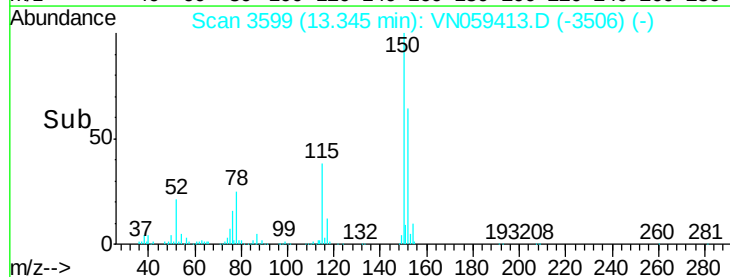
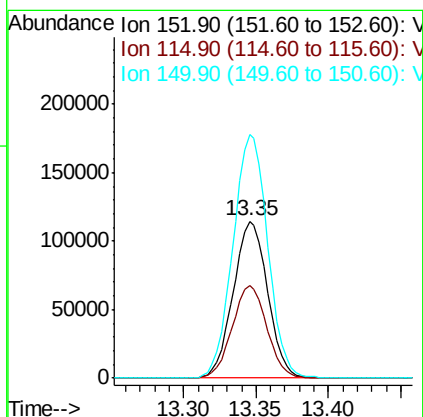
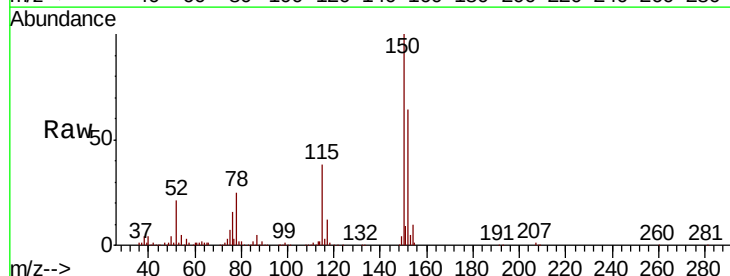
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Tot Ion:117 Resp: 485299  
Ion Ratio Lower Upper  
117 100  
82 56.4 45.7 68.5  
119 32.2 25.8 38.6

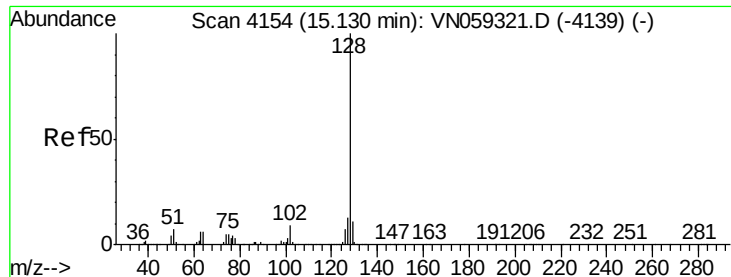


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN059413.D  
Acq: 26 Nov 2019 17:42

Tgt Ion:152 Resp: 188833  
Ion Ratio Lower Upper  
152 100  
115 59.0 29.3 88.0  
150 157.0 0.0 346.0



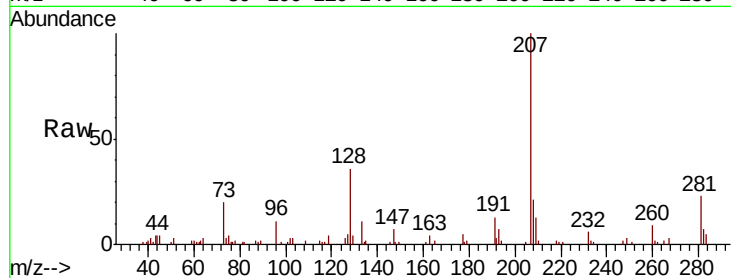




#95  
Naphthalene  
Concen: 4.174 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN059413.D  
Acq: 26 Nov 2019 17:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
SOIL-CUTTINGS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 10.2  | 15.2  |
| 129     | 11.1  | 8.6   | 13.0  |



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

