

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011019\  
 Data File : VX007001.D  
 Acq On : 10 Jan 2019 20:14  
 Operator : JC/MD  
 Sample : K1100-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SOIL-DRUM-D

Quant Time: Jan 11 08:11:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 08 14:06:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 612400   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 948588   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 898444   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 427930   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 321043   | 50.16 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.32% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 285371   | 46.98 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.96%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1143252  | 51.42 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.84% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 401924   | 51.85 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.70% |          |

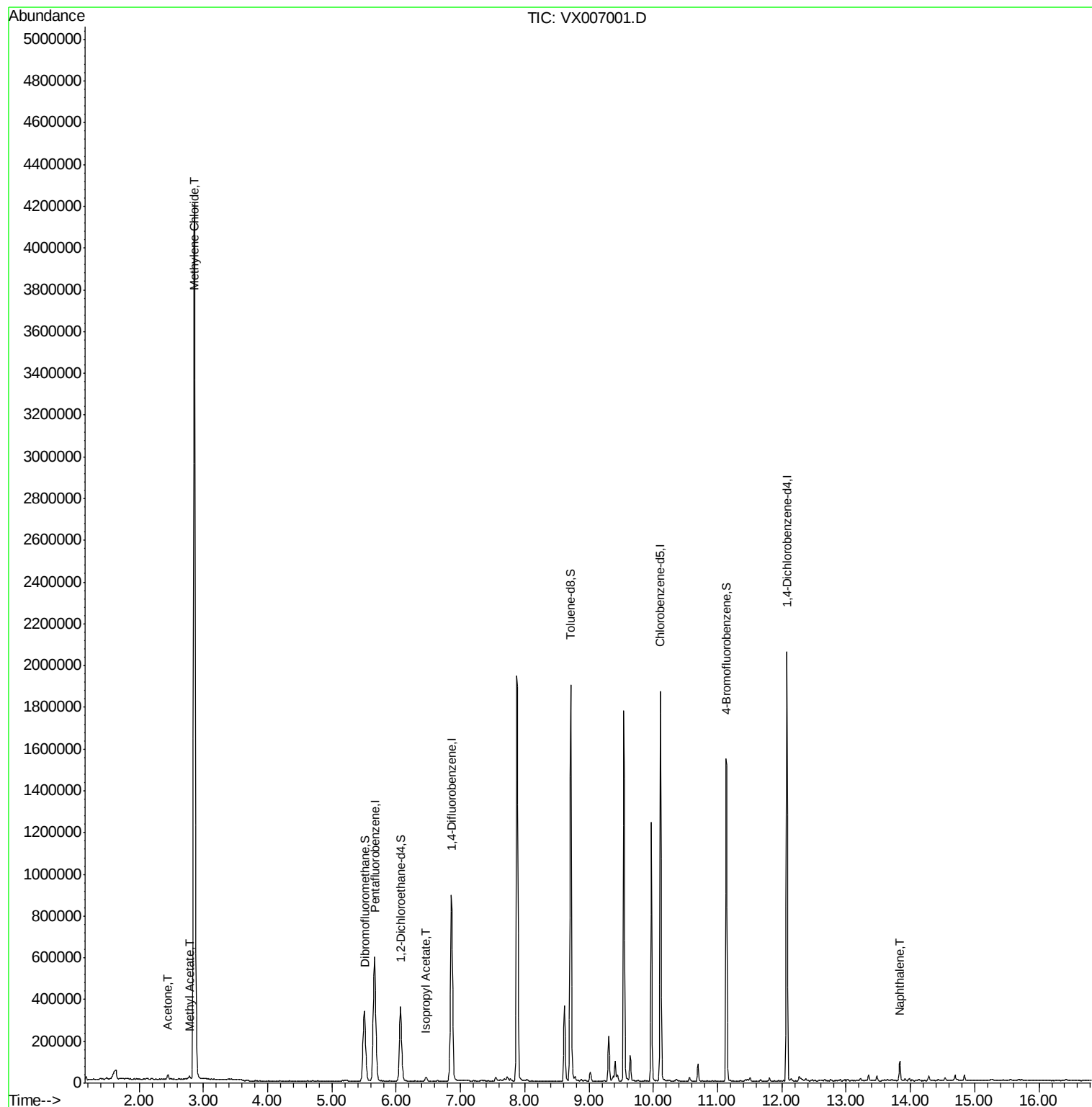
| Target Compounds       | R.T.  | QIon | Response | Conc    | Units | Qvalue |
|------------------------|-------|------|----------|---------|-------|--------|
| 16) Acetone            | 2.45  | 43   | 24986    | 7.897   | ug/l  | 96     |
| 18) Methyl Acetate     | 2.78  | 43   | 20759    | 2.266   | ug/l  | 99     |
| 20) Methylene Chloride | 2.86  | 84   | 1972814  | 331.001 | ug/l  | 95     |
| 43) Isopropyl Acetate  | 6.46  | 43   | 23373    | 1.676   | ug/l  | 99     |
| 95) Naphthalene        | 13.83 | 128  | 62909    | 2.040   | ug/l  | 97     |

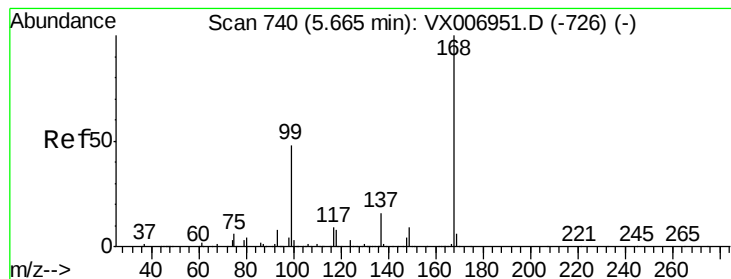
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011019\  
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QLast Update : Tue Jan 08 14:06:59 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007001.D

Acq: 10 Jan 2019 20:14

Instrument :

MSVOA\_X

ClientSampleId :

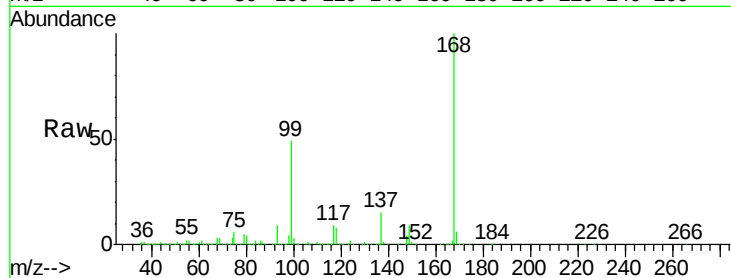
SOIL-DRUM-D

Tot Ion:168 Resp: 612400

Ion Ratio Lower Upper

168 100

99 48.6 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

150000

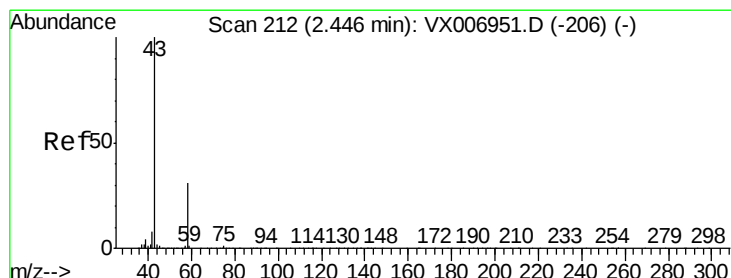
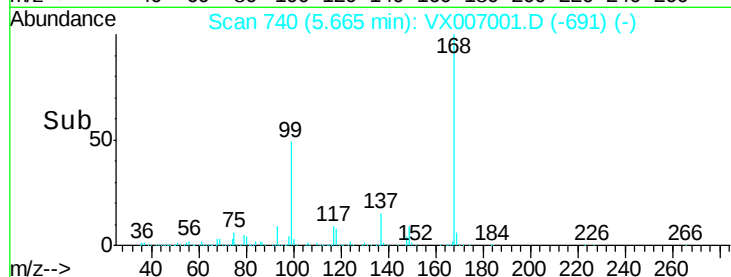
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 7.897 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007001.D

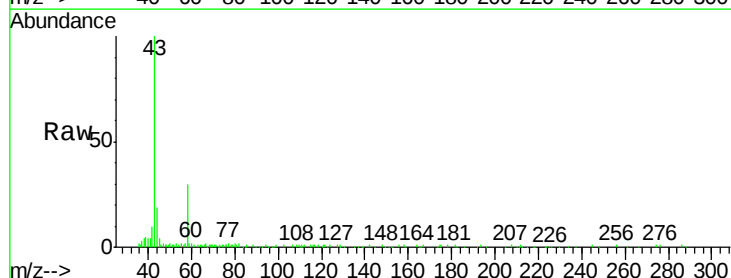
Acq: 10 Jan 2019 20:14

Tgt Ion: 43 Resp: 24986

Ion Ratio Lower Upper

43 100

58 29.0 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

15000

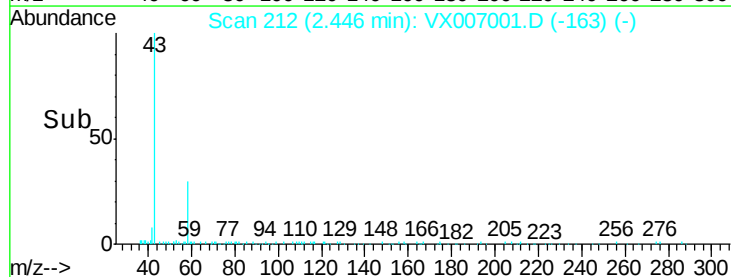
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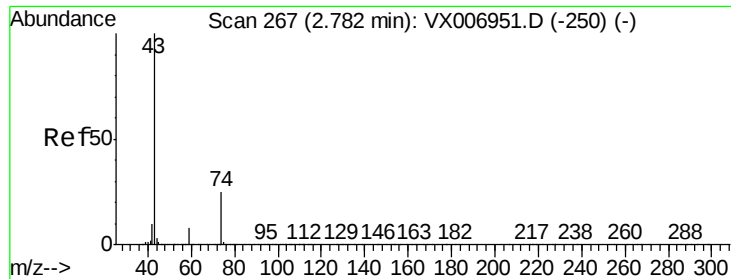
5000

0

Time-->

2.35 2.40 2.45 2.50 2.55

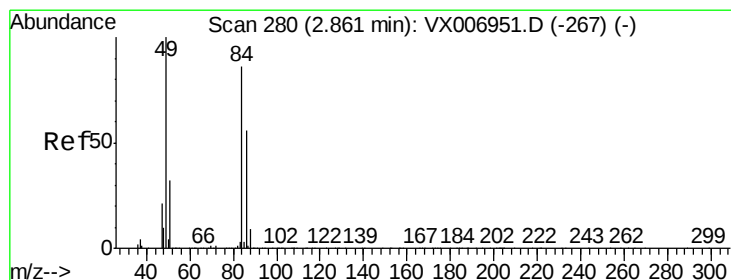
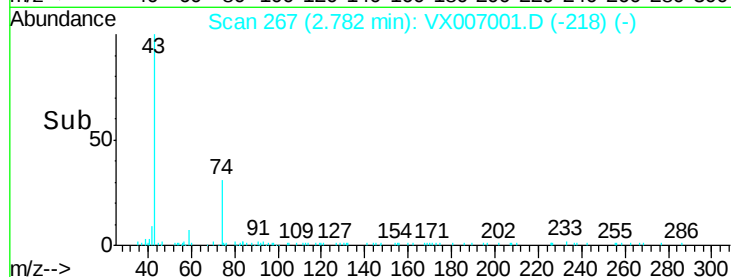
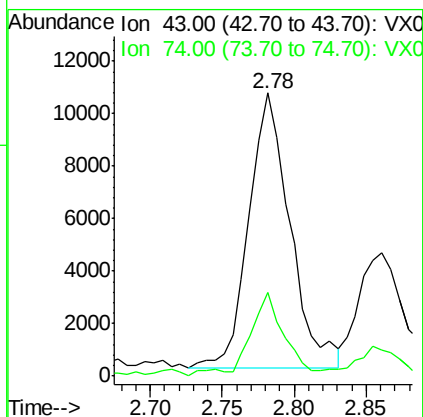
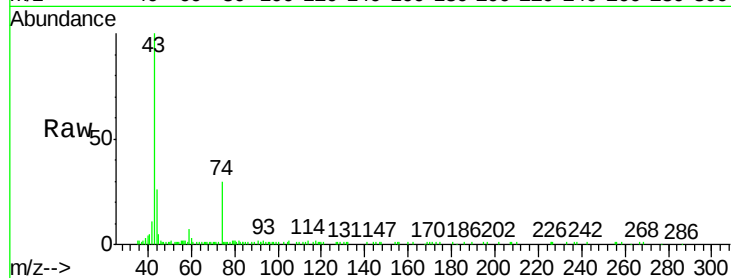




#18  
Methyl Acetate  
Concen: 2.266 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. 0.00 min  
Lab File: VX007001.D  
Acq: 10 Jan 2019 20:14

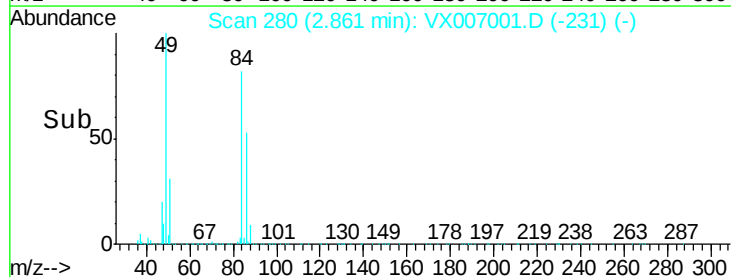
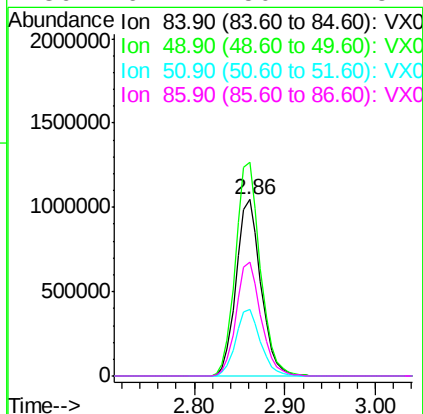
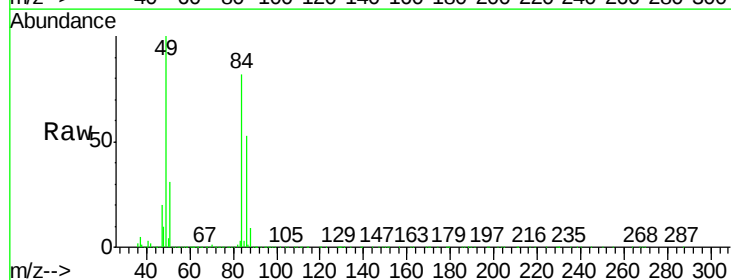
Instrument :  
MSVOA\_X  
ClientSampleId :  
SOIL-DRUM-D

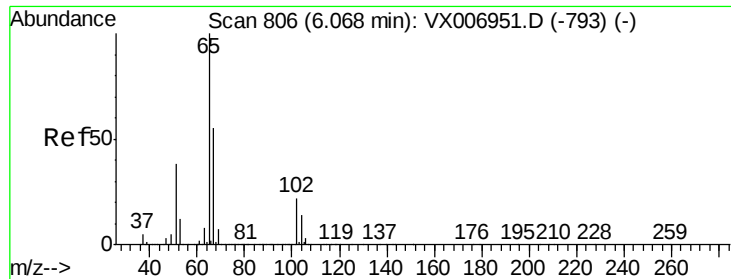
Tot Ion: 43 Resp: 20759  
Ion Ratio Lower Upper  
43 100  
74 22.7 18.6 28.0



#20  
Methylene Chloride  
Concen: 331.001 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.00 min  
Lab File: VX007001.D  
Acq: 10 Jan 2019 20:14

Tgt Ion: 84 Resp: 1972814  
Ion Ratio Lower Upper  
84 100  
49 121.3 91.8 137.6  
51 37.6 28.5 42.7  
86 64.4 50.2 75.2

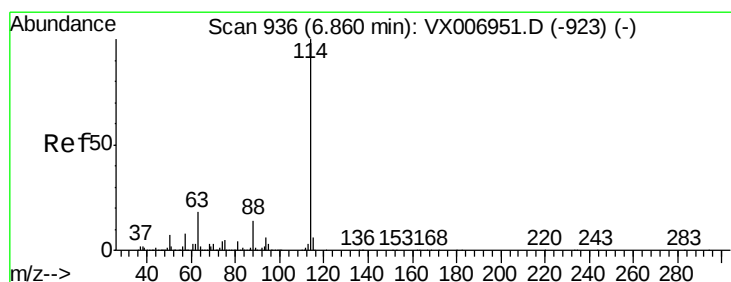
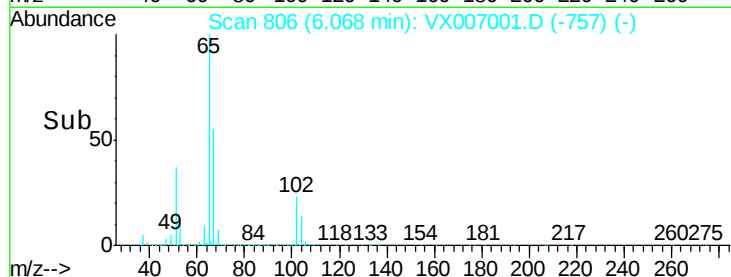
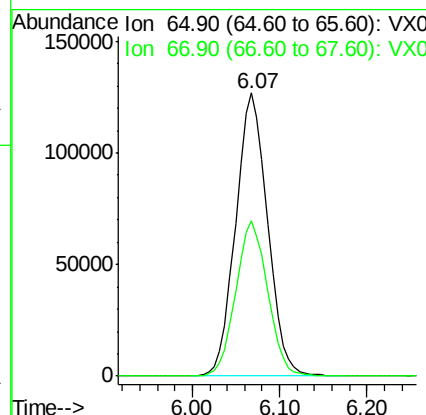
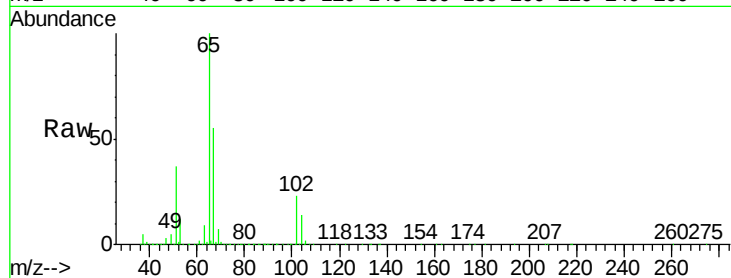




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.162 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX007001.D  
 Acq: 10 Jan 2019 20:14

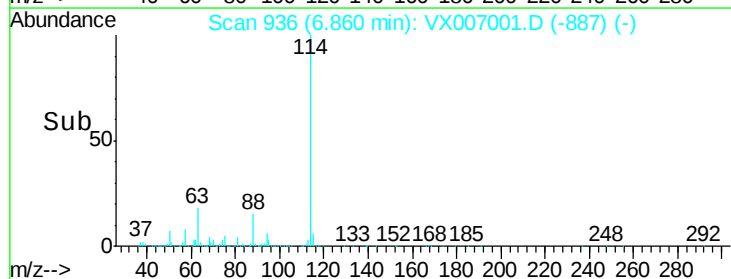
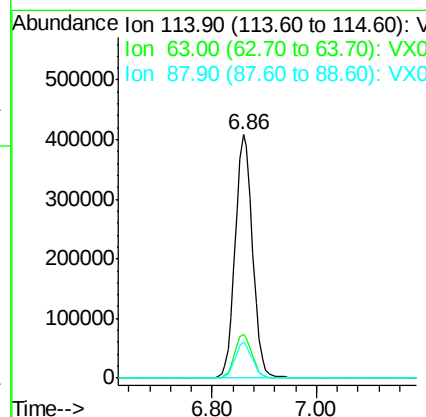
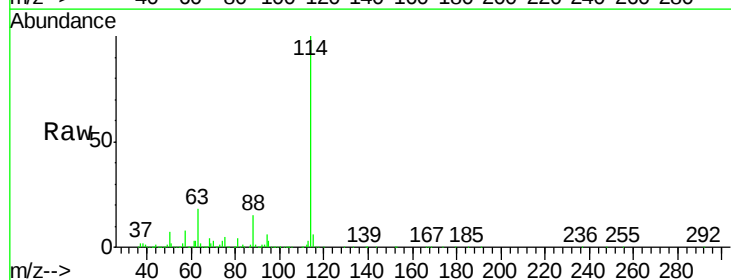
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SOIL-DRUM-D

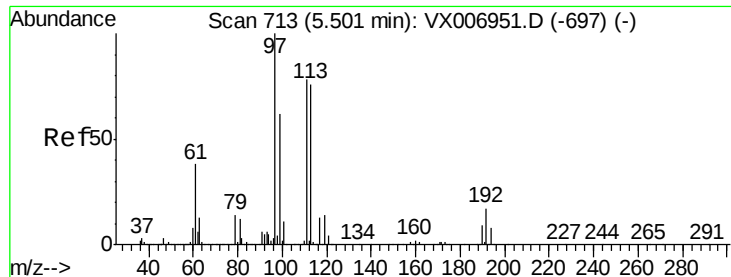
Tot Ion: 65 Resp: 321043  
 Ion Ratio Lower Upper  
 65 100  
 67 55.2 0.0 105.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX007001.D  
 Acq: 10 Jan 2019 20:14

Tgt Ion: 114 Resp: 948588  
 Ion Ratio Lower Upper  
 114 100  
 63 18.2 0.0 34.8  
 88 14.9 0.0 28.8





#35

Dibromofluoromethane

Concen: 46.977 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007001.D

Acq: 10 Jan 2019 20:14

Instrument :

MSVOA\_X

ClientSampleId :

SOIL-DRUM-D

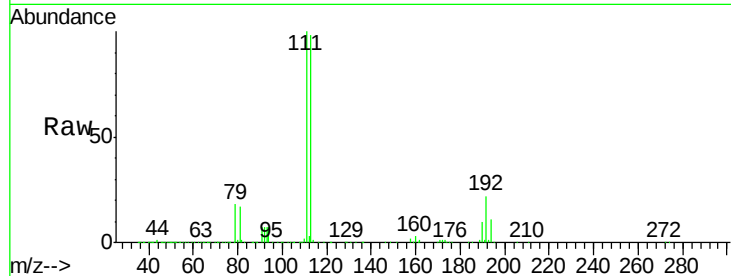
Tot Ion:113 Resp: 285371

Ion Ratio Lower Upper

113 100

111 103.6 81.6 122.4

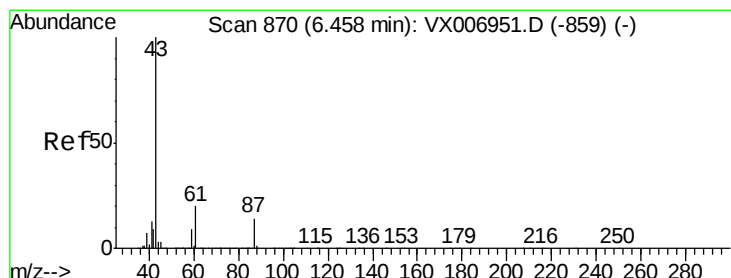
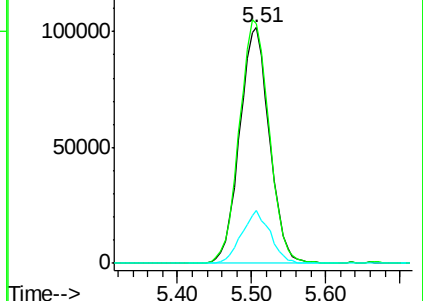
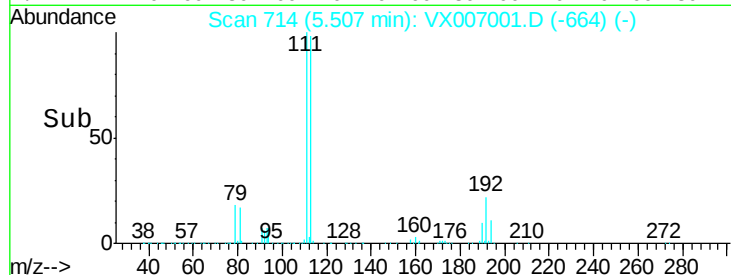
192 21.5 16.7 25.1



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: 1.676 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007001.D

Acq: 10 Jan 2019 20:14

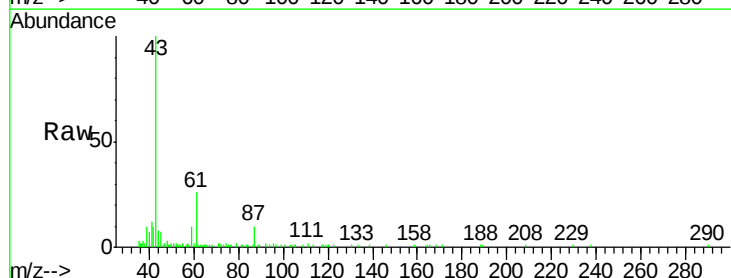
Tgt Ion: 43 Resp: 23373

Ion Ratio Lower Upper

43 100

61 21.9 16.8 25.2

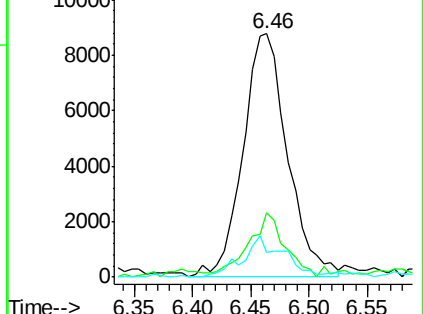
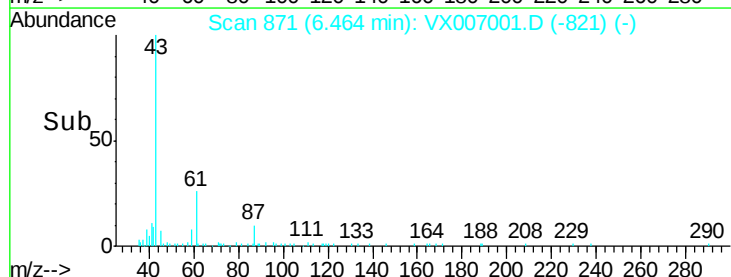
87 15.3 12.4 18.6

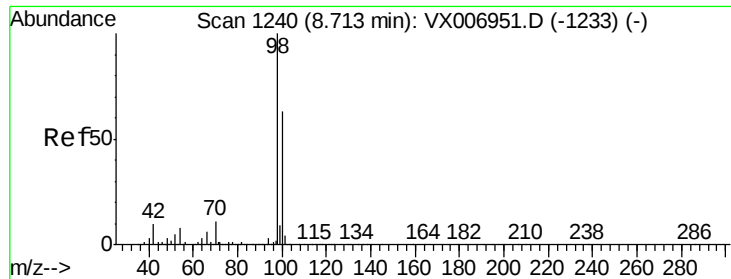


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 51.416 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007001.D

Acq: 10 Jan 2019 20:14

Instrument :

MSVOA\_X

ClientSampleId :

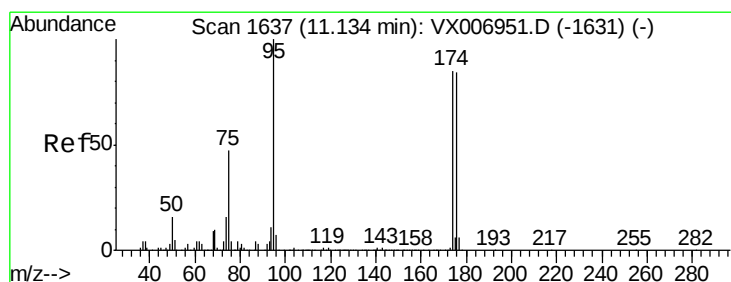
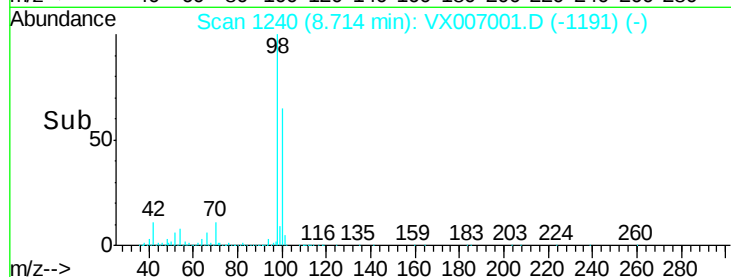
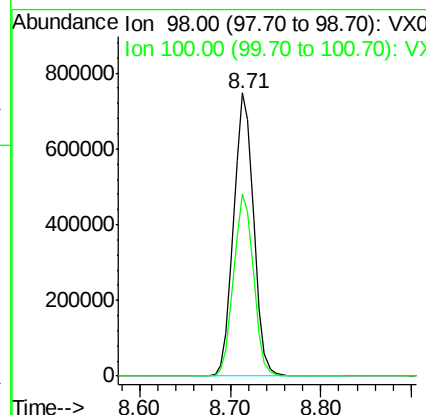
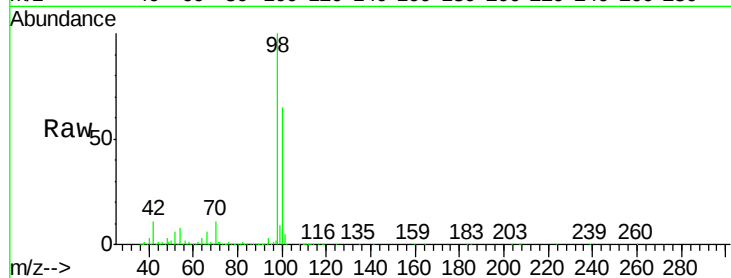
SOIL-DRUM-D

Tot Ion: 98 Resp: 1143252

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 51.849 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007001.D

Acq: 10 Jan 2019 20:14

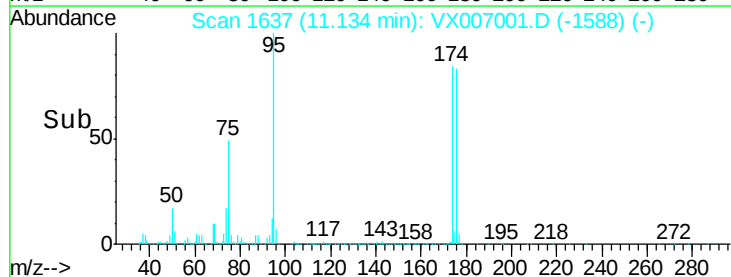
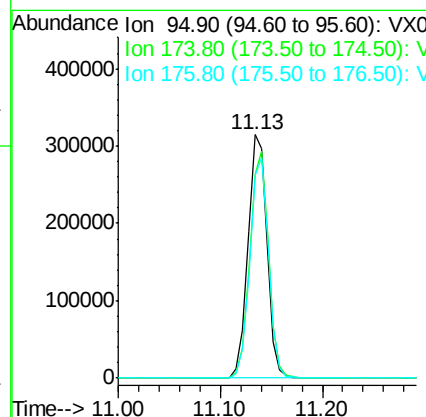
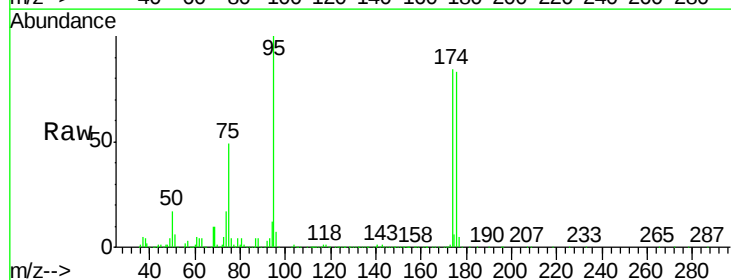
Tgt Ion: 95 Resp: 401924

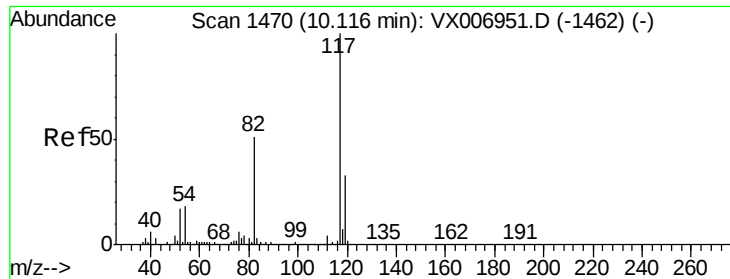
Ion Ratio Lower Upper

95 100

174 92.3 0.0 182.2

176 89.7 0.0 178.8

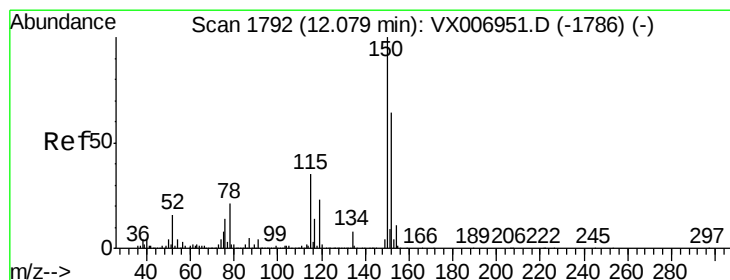
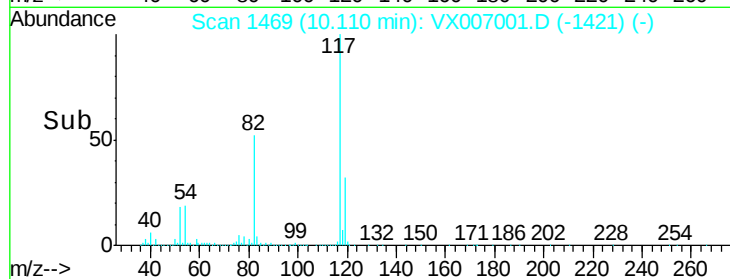
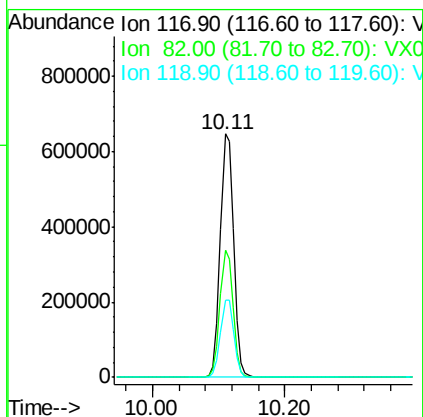
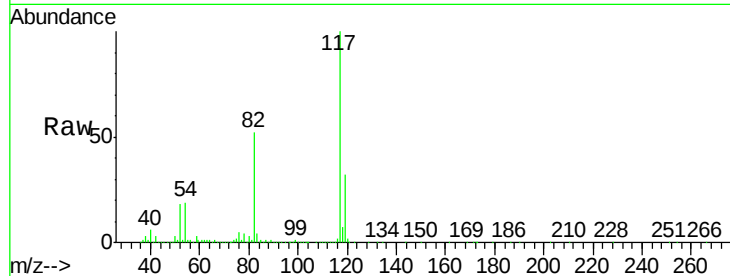




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.01 min  
Lab File: VX007001.D  
Acq: 10 Jan 2019 20:14

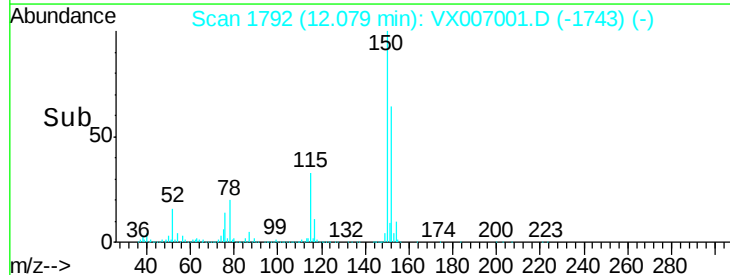
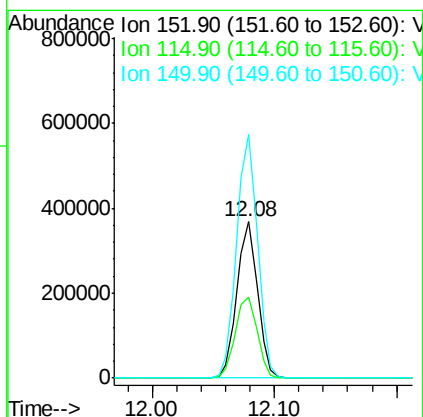
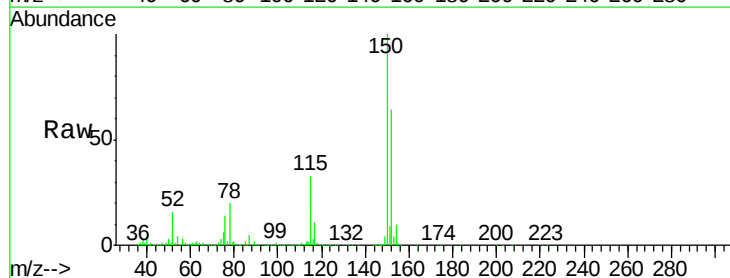
Instrument :  
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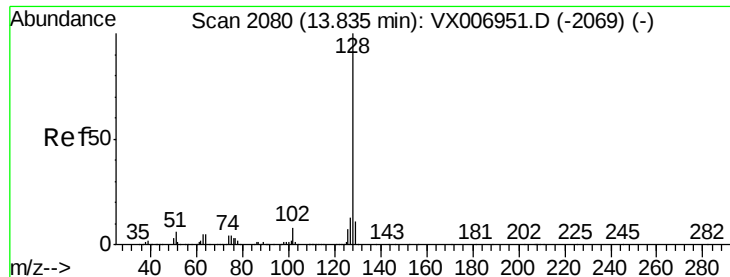
Tot Ion:117 Resp: 898444  
Ion Ratio Lower Upper  
117 100  
82 52.0 41.0 61.6  
119 31.9 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX007001.D  
Acq: 10 Jan 2019 20:14

Tgt Ion:152 Resp: 427930  
Ion Ratio Lower Upper  
152 100  
115 55.2 39.1 117.2  
150 158.5 0.0 344.8

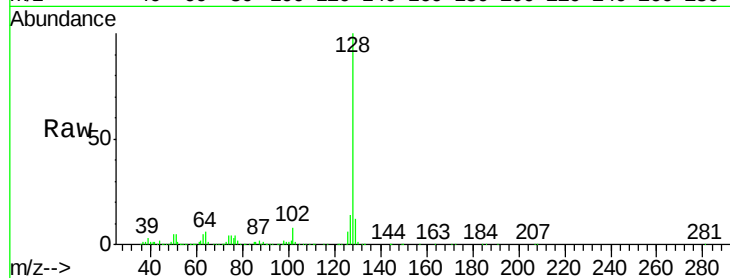




#95  
Naphthalene  
Concen: 2.040 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX007001.D  
Acq: 10 Jan 2019 20:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
SOIL-DRUM-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.8  | 10.1  | 15.1  |
| 129     | 11.9  | 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

