

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062018\  
 Data File : VN049452.D  
 Acq On : 20 Jun 2018 22:13  
 Operator : MD\SY  
 Sample : J3594-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 HC-SOIL-1

Quant Time: Jun 21 03:10:01 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:02:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1179602  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1895091  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1572352  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 492216   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 807539   | 51.61 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.22% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 706774   | 46.10 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.20%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2579483  | 44.18 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.36%  |          |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 685243   | 35.50 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 71.00%  |          |

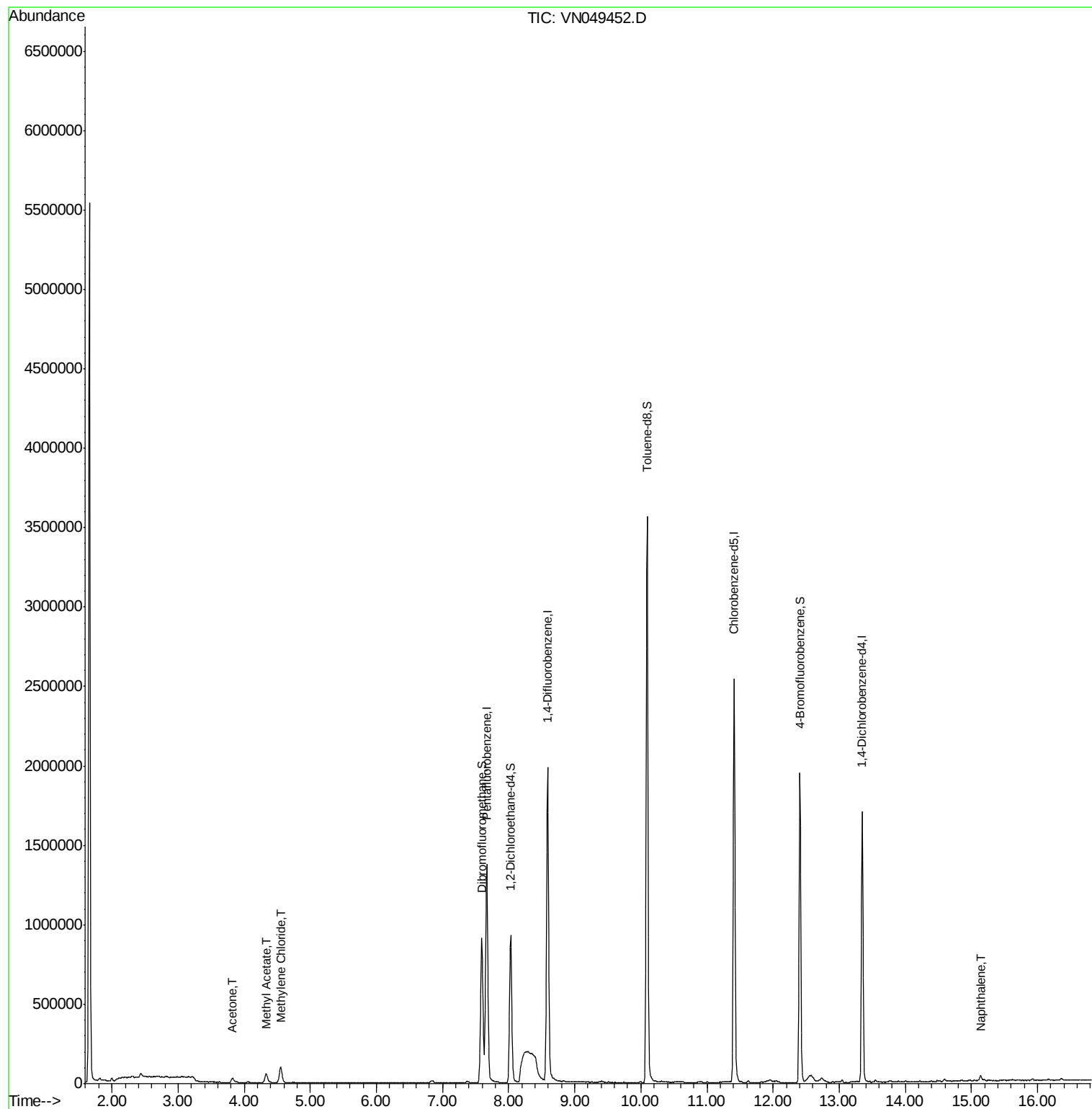
| Target Compounds       | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|------------------------|-------|------|----------|-------|-------|--------|
| 16) Acetone            | 3.82  | 43   | 47513    | 12.51 | ug/l  | # 88   |
| 18) Methyl Acetate     | 4.33  | 43   | 112108   | 9.68  | ug/l  | 96     |
| 20) Methylene Chloride | 4.55  | 84   | 72263    | 4.55  | ug/l  | 91     |
| 95) Naphthalene        | 15.14 | 128  | 29124    | 4.20  | ug/l  | 96     |

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

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Instrument :  
MSVOA\_N  
ClientSampleId :  
HC-SOIL-1

Quant Time: Jun 21 03:10:01 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:02:01 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049452.D

Acq: 20 Jun 2018 22:13

Instrument :

MSVOA\_N

ClientSampled :

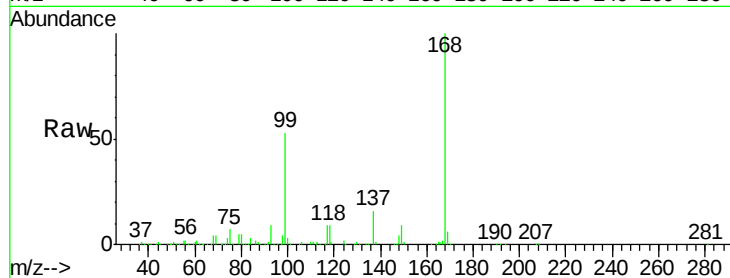
HC-SOIL-1

Tot Ion:168 Resp: 1179602

Ion Ratio Lower Upper

168 100

99 52.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

500000

400000

300000

200000

100000

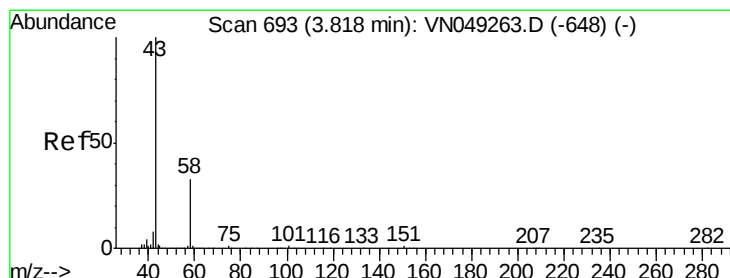
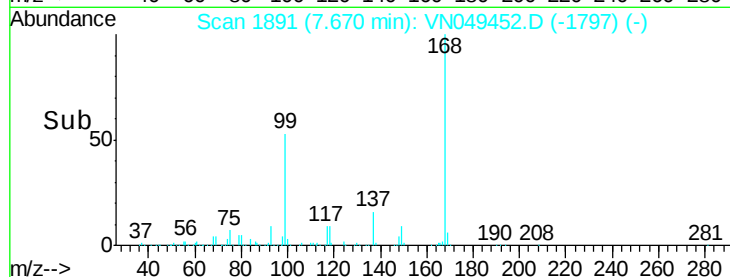
0

Time-->

7.60

7.70

7.80



#16

Acetone

Concen: 12.51 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049452.D

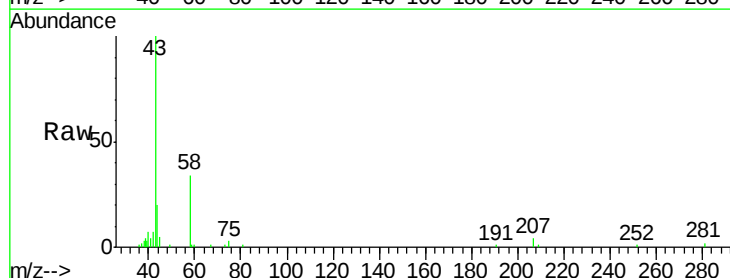
Acq: 20 Jun 2018 22:13

Tgt Ion: 43 Resp: 47513

Ion Ratio Lower Upper

43 100

58 34.3 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

20000

15000

10000

5000

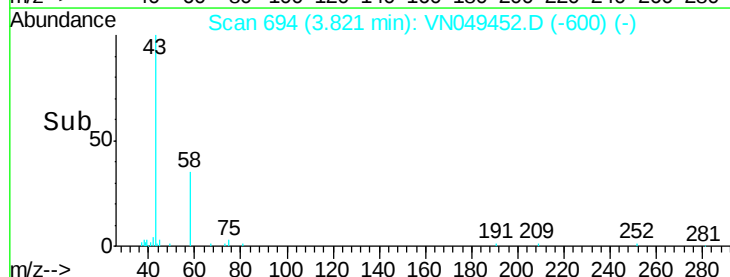
0

Time-->

3.70

3.80

3.90

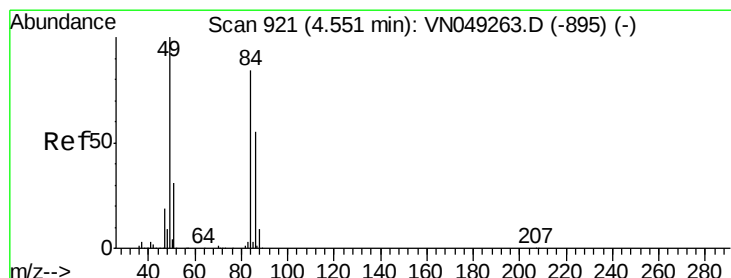
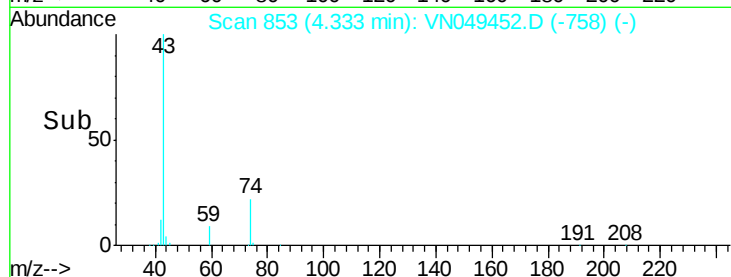
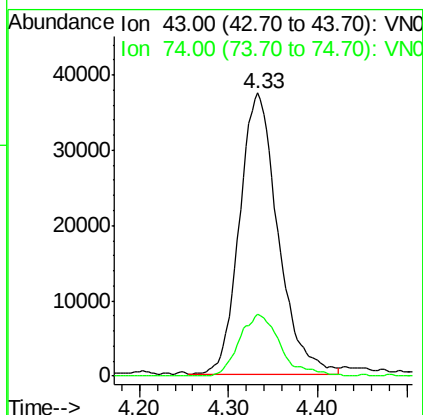
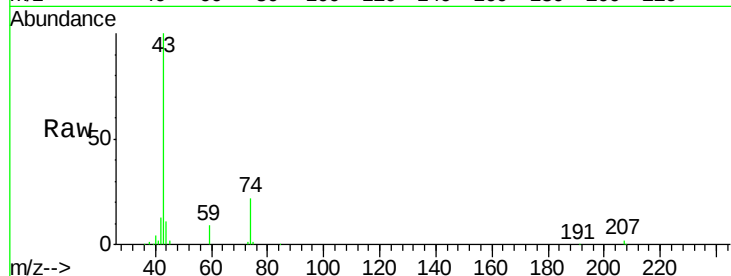




#18  
Methvl Acetate  
Concen: 9.68 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.01 min  
Lab File: VN049452.D  
Acq: 20 Jun 2018 22:13

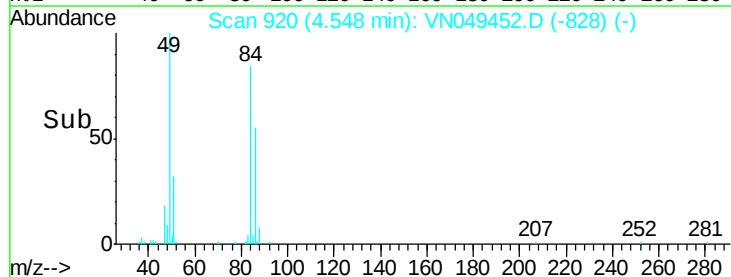
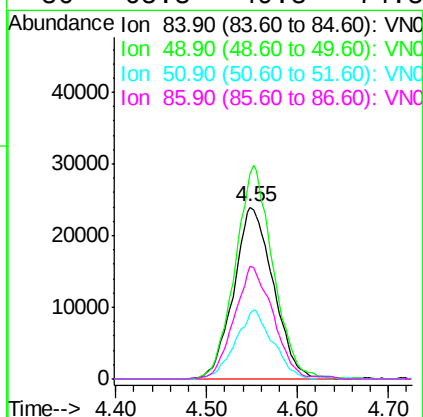
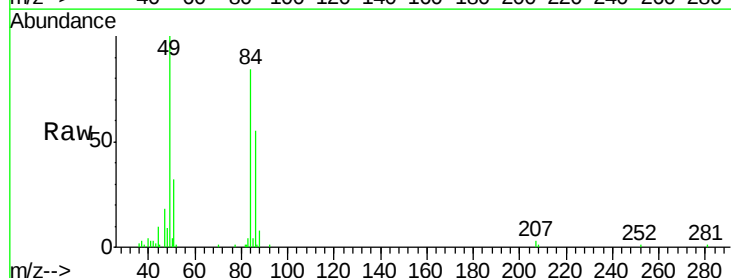
Instrument :  
MSVOA\_N  
ClientSampleId :  
HC-SOIL-1

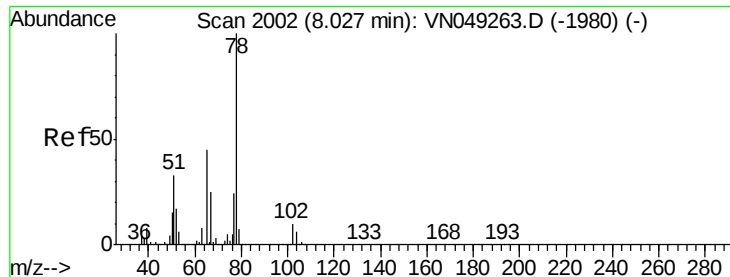
Tot Ion: 43 Resp: 112108  
Ion Ratio Lower Upper  
43 100  
74 23.4 17.4 26.0



#20  
Methylene Chloride  
Concen: 4.55 ug/l  
RT: 4.55 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VN049452.D  
Acq: 20 Jun 2018 22:13

Tgt Ion: 84 Resp: 72263  
Ion Ratio Lower Upper  
84 100  
49 119.4 106.9 160.3  
51 37.8 32.7 49.1  
86 65.3 49.8 74.8





#33

1,2-Dichloroethane-d4

Concen: 51.61 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049452.D

Acq: 20 Jun 2018 22:13

Instrument :

MSVOA\_N

ClientSampleId :

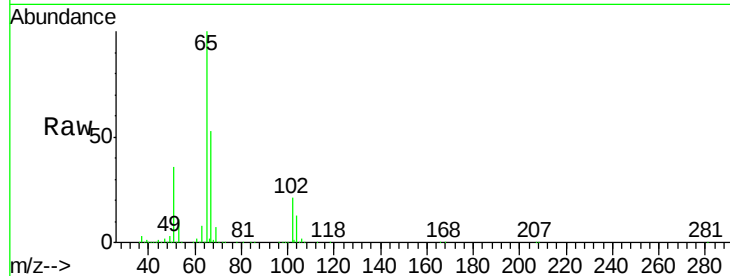
HC-SOIL-1

Tot Ion: 65 Resp: 807539

Ion Ratio Lower Upper

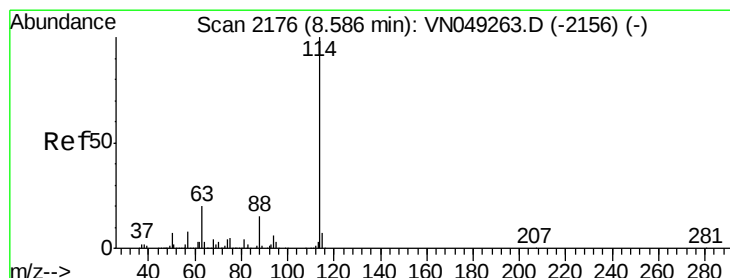
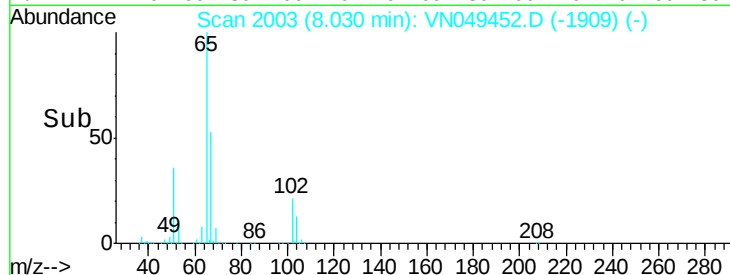
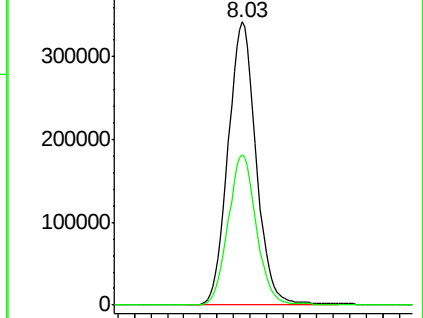
65 100

67 53.3 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049452.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049452.D (-1909) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049452.D

Acq: 20 Jun 2018 22:13

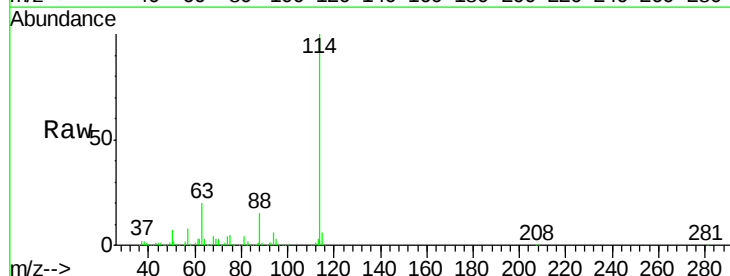
Tgt Ion: 114 Resp: 1895091

Ion Ratio Lower Upper

114 100

63 19.6 0.0 44.4

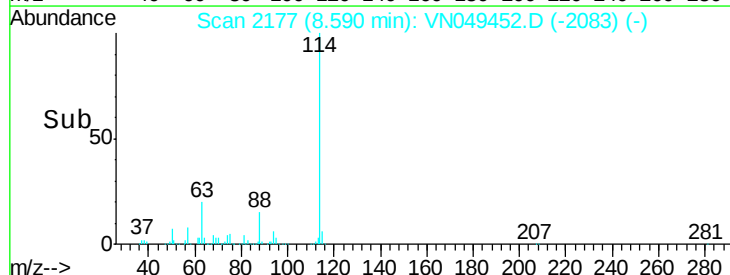
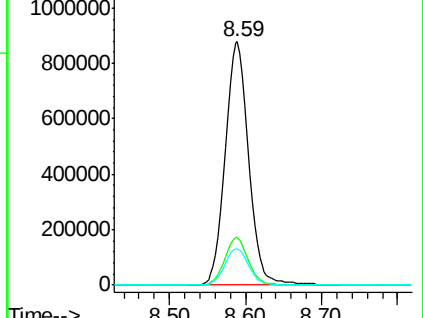
88 15.1 0.0 31.4

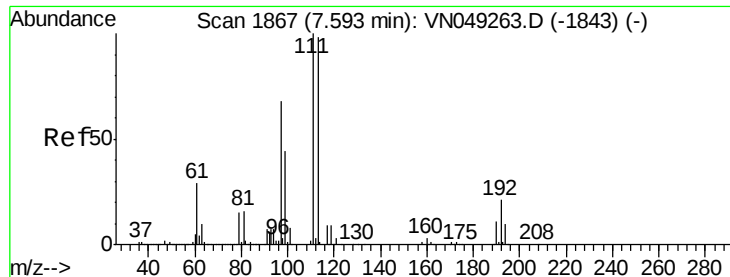


Abundance Ion 113.90 (113.60 to 114.60): VN049452.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049452.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049452.D (-2083) (-)

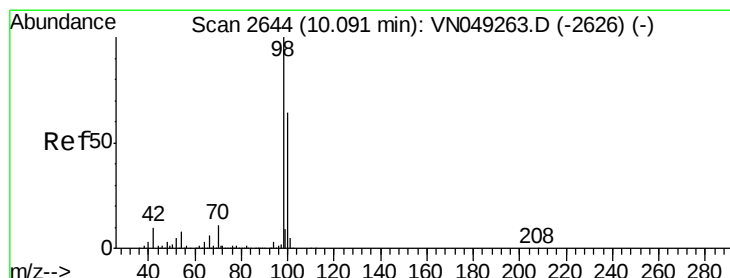
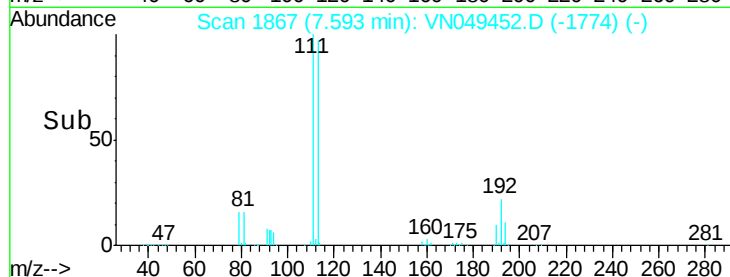
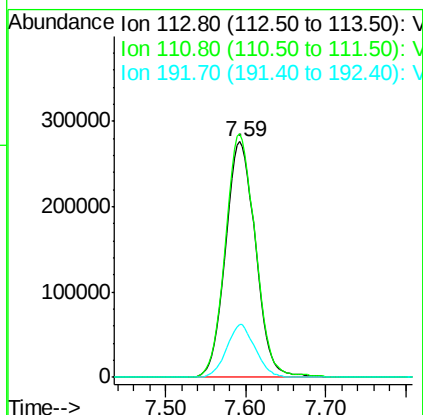
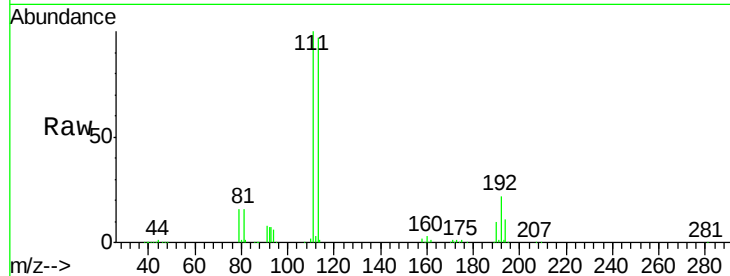




#35  
 Dibromofluoromethane  
 Concen: 46.10 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN049452.D  
 Acq: 20 Jun 2018 22:13

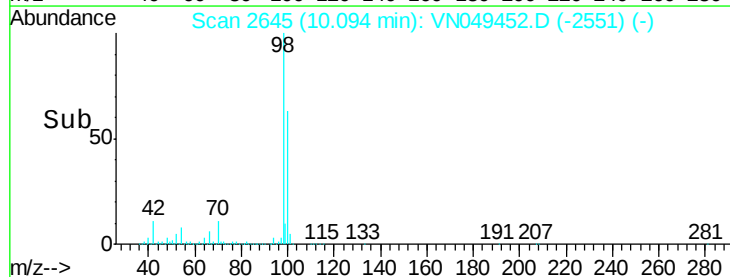
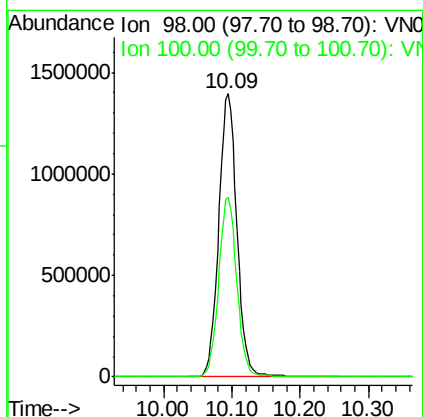
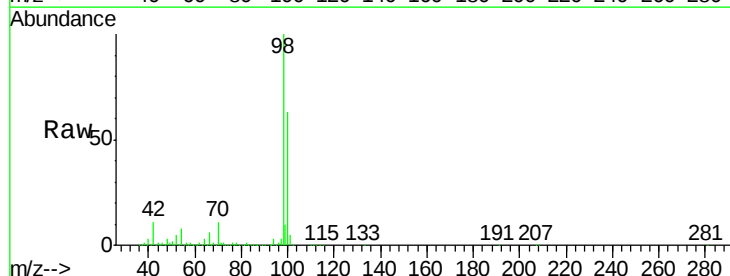
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 HC-SOIL-1

Tot Ion:113 Resp: 706774  
 Ion Ratio Lower Upper  
 113 100  
 111 103.2 82.4 123.6  
 192 21.5 15.0 22.6



#50  
 Toluene-d8  
 Concen: 44.18 ug/l  
 RT: 10.09 min Scan# 2645  
 Delta R.T. 0.00 min  
 Lab File: VN049452.D  
 Acq: 20 Jun 2018 22:13

Tgt Ion: 98 Resp: 2579483  
 Ion Ratio Lower Upper  
 98 100  
 100 63.3 49.8 74.8





#62

4-Bromofluorobenzene

Concen: 35.50 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049452.D

Acq: 20 Jun 2018 22:13

Instrument :

MSVOA\_N

ClientSampleId :

HC-SOIL-1

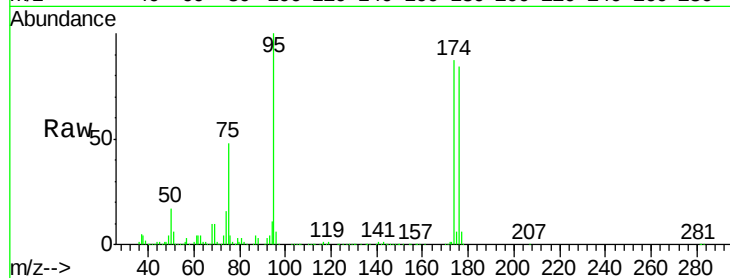
Tot Ion: 95 Resp: 685243

Ion Ratio Lower Upper

95 100

174 88.4 0.0 165.6

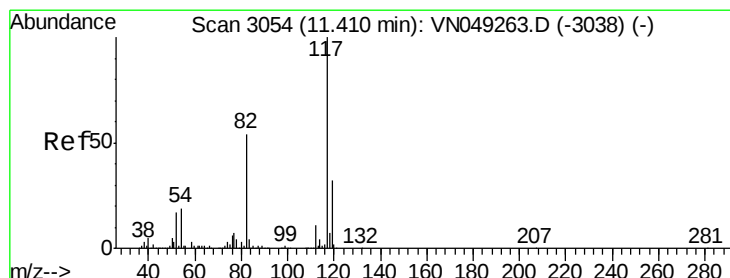
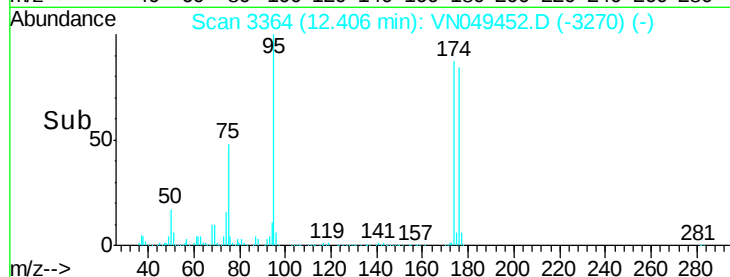
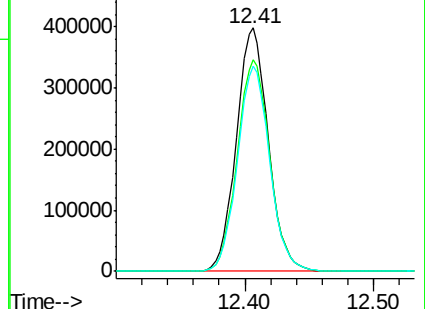
176 84.8 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049452.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN049452.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN049452.D (-3347) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049452.D

Acq: 20 Jun 2018 22:13

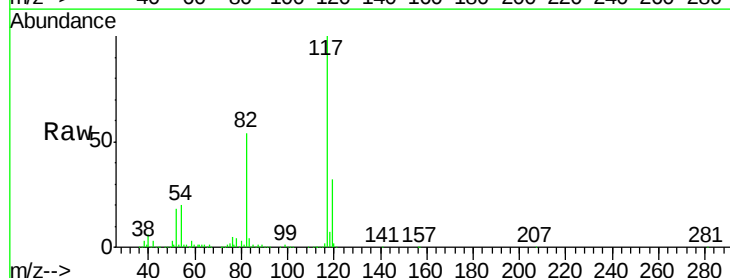
Tgt Ion: 117 Resp: 1572352

Ion Ratio Lower Upper

117 100

82 53.6 45.9 68.9

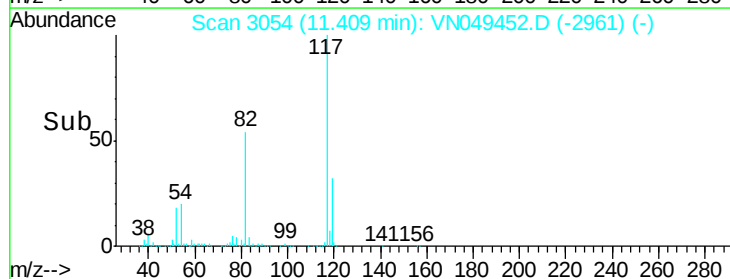
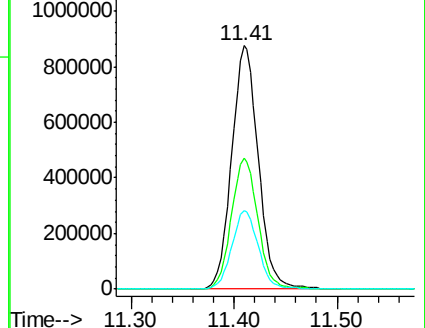
119 32.4 25.5 38.3

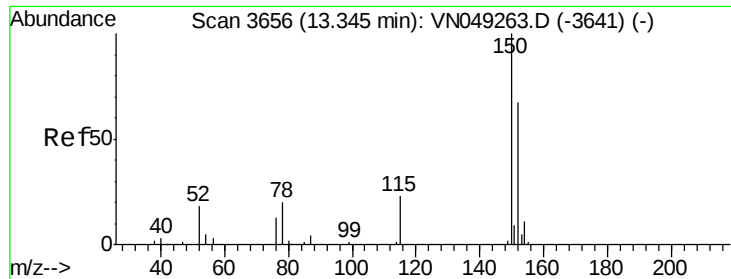


Abundance Ion 116.90 (116.60 to 117.60): VN049452.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049452.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049452.D (-3038) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049452.D

Acq: 20 Jun 2018 22:13

Instrument :

MSVOA\_N

ClientSampleId :

HC-SOIL-1

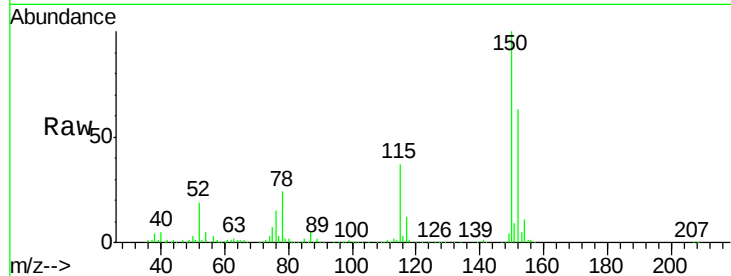
Tot Ion:152 Resp: 492216

Ion Ratio Lower Upper

152 100

115 58.0 28.7 86.1

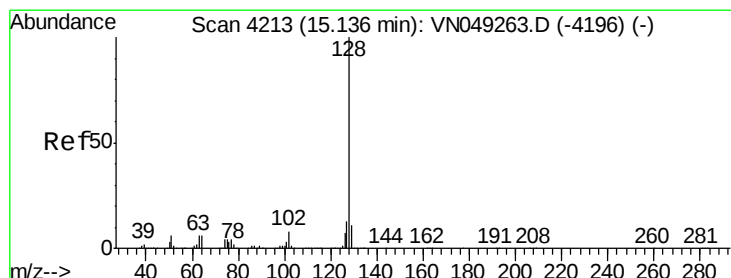
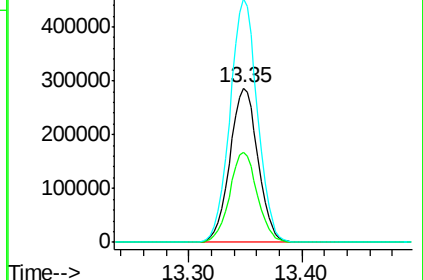
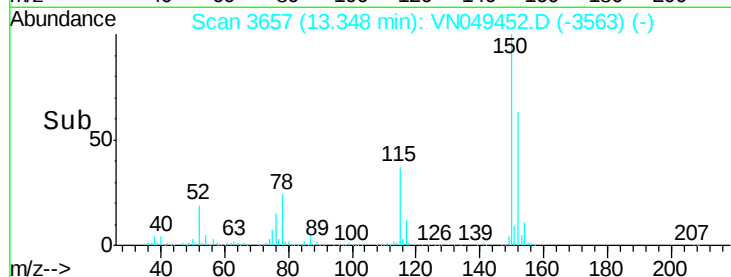
150 154.2 0.0 351.0



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



#95

Naphthalene

Concen: 4.20 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049452.D

Acq: 20 Jun 2018 22:13

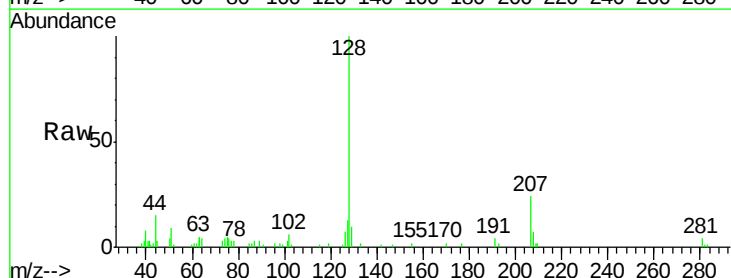
Tgt Ion:128 Resp: 29124

Ion Ratio Lower Upper

128 100

127 14.6 10.6 16.0

129 12.5 8.5 12.7



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

