

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062018\  
 Data File : VN049457.D  
 Acq On : 21 Jun 2018 00:22  
 Operator : MD\SY  
 Sample : J3584-12  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-3

Quant Time: Jun 21 03:24:19 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

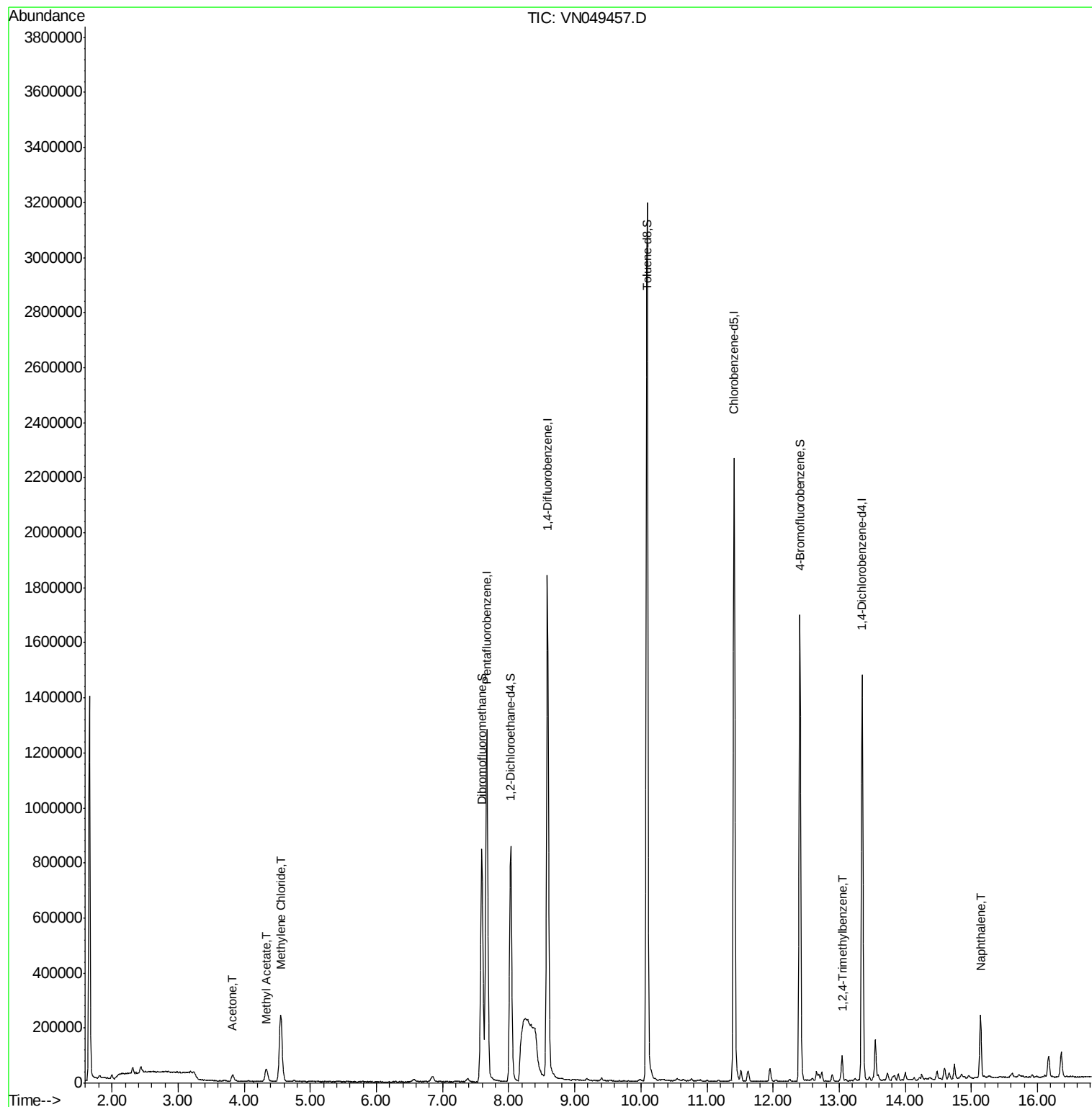
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1088846  | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1731587  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1405154  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 424228   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 746676   | 51.70 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.40% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 644308   | 45.99 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.98%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2345384  | 43.97 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.94%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 598463   | 33.93 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 67.86%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 36460    | 10.40 | ug/l    | 95       |
| 18) Methyl Acetate          | 4.33  | 43   | 92289    | 8.63  | ug/l    | 93       |
| 20) Methylene Chloride      | 4.55  | 84   | 188155   | 12.85 | ug/l    | 93       |
| 84) 1,2,4-Trimethylbenzene  | 13.04 | 105  | 52023    | 1.79  | ug/l    | 99       |
| 95) Naphthalene             | 15.14 | 128  | 200586   | 18.35 | ug/l    | 98       |

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

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Instrument :  
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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

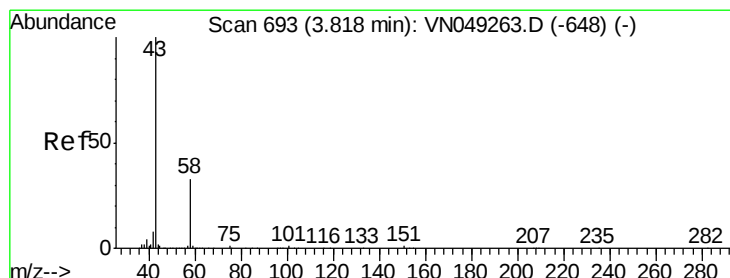
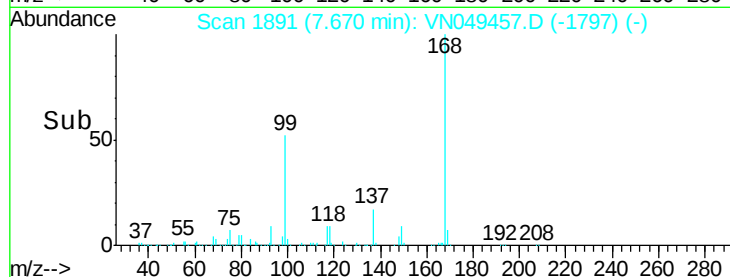
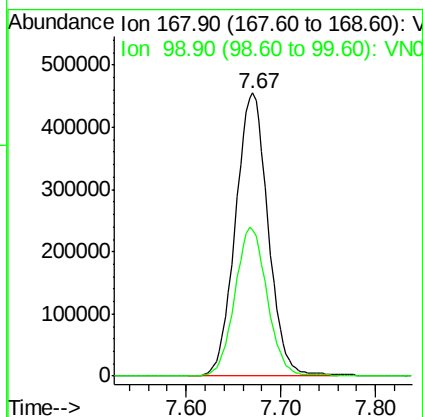
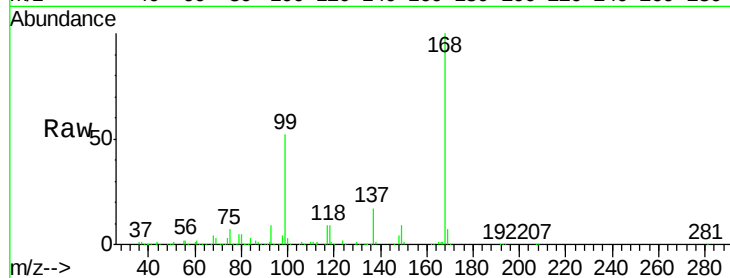




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.67 min Scan# 1891  
Delta R.T. 0.00 min  
Lab File: VN049457.D  
Acq: 21 Jun 2018 00:22

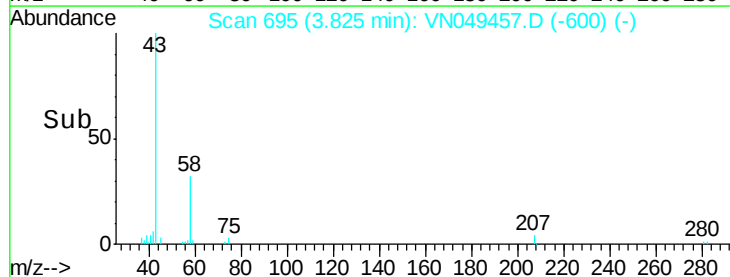
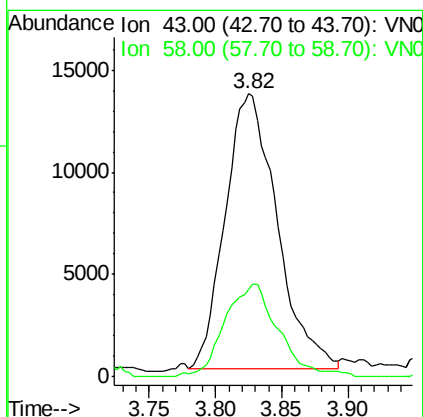
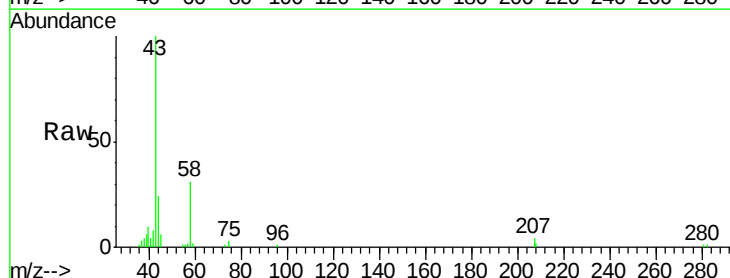
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-3

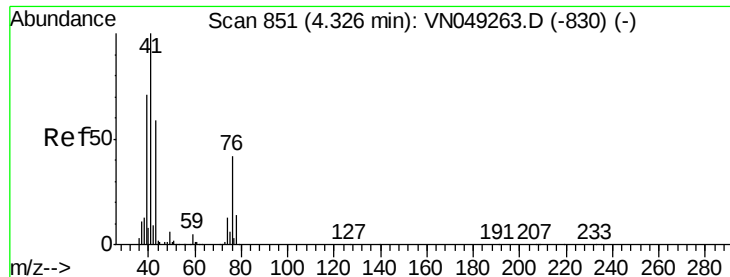
Tot Ion:168 Resp: 1088846  
Ion Ratio Lower Upper  
168 100  
99 51.9 45.8 68.6



#16  
Acetone  
Concen: 10.40 ug/l  
RT: 3.82 min Scan# 695  
Delta R.T. 0.01 min  
Lab File: VN049457.D  
Acq: 21 Jun 2018 00:22

Tgt Ion: 43 Resp: 36460  
Ion Ratio Lower Upper  
43 100  
58 30.7 22.4 33.6

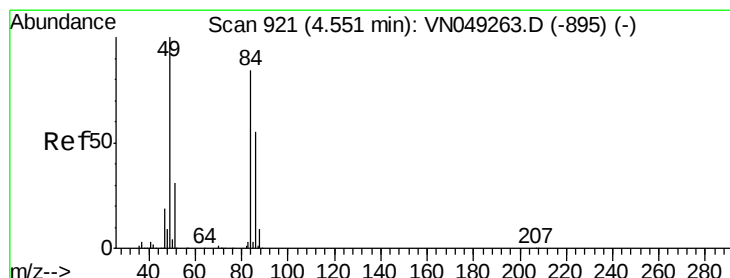
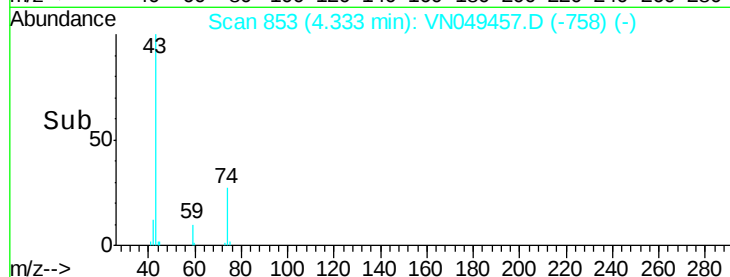
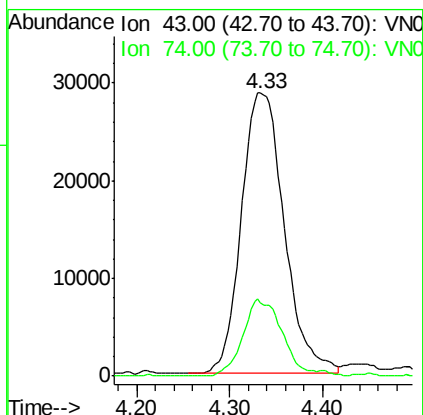
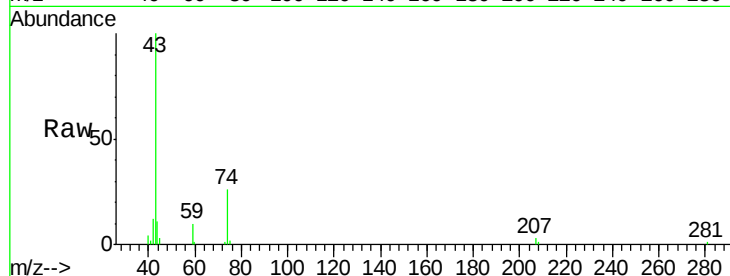




#18  
Methvl Acetate  
Concen: 8.63 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.01 min  
Lab File: VN049457.D  
Acq: 21 Jun 2018 00:22

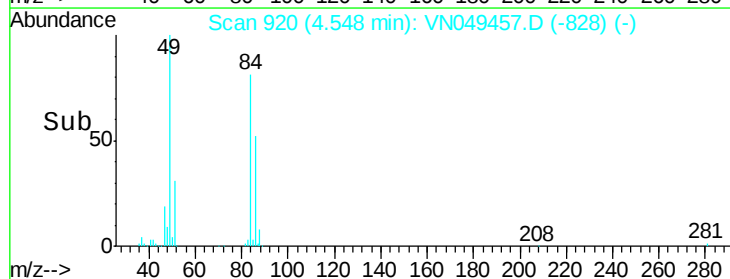
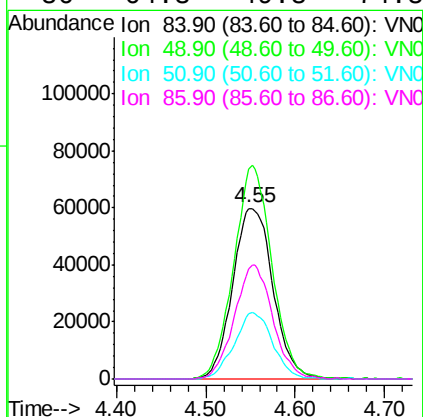
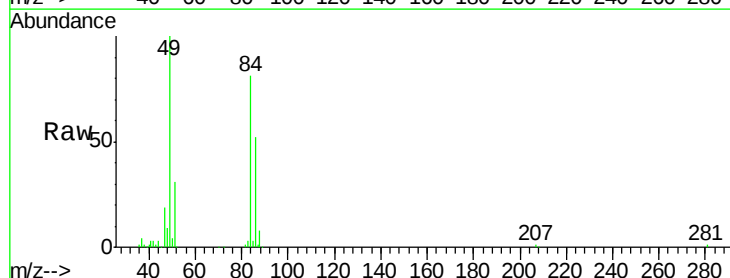
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-3

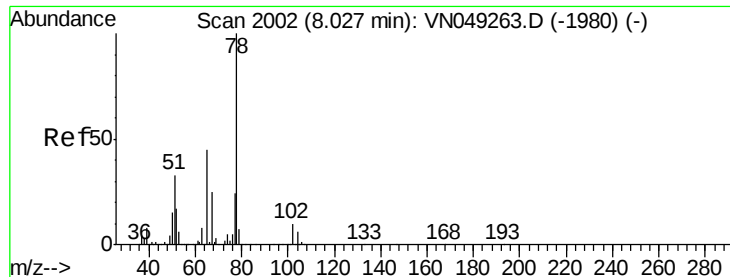
Tot Ion: 43 Resp: 92289  
Ion Ratio Lower Upper  
43 100  
74 25.0 17.4 26.0



#20  
Methylene Chloride  
Concen: 12.85 ug/l  
RT: 4.55 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VN049457.D  
Acq: 21 Jun 2018 00:22

Tgt Ion: 84 Resp: 188155  
Ion Ratio Lower Upper  
84 100  
49 122.9 106.9 160.3  
51 38.0 32.7 49.1  
86 64.3 49.8 74.8





#33

1,2-Dichloroethane-d4

Concen: 51.70 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049457.D

Acq: 21 Jun 2018 00:22

Instrument :

MSVOA\_N

ClientSampleId :

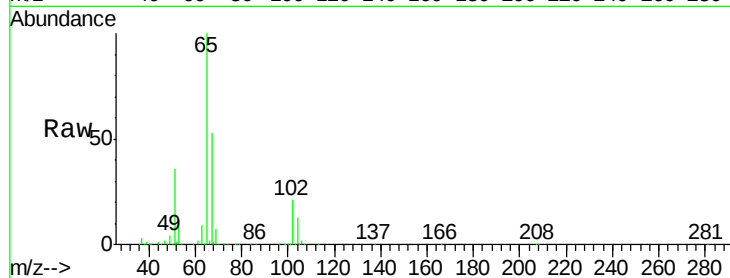
TP-3

Tot Ion: 65 Resp: 746676

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049457.D (-1980) (-)

Ion 66.90 (66.60 to 67.60): VN049457.D (-1980) (-)

8.03

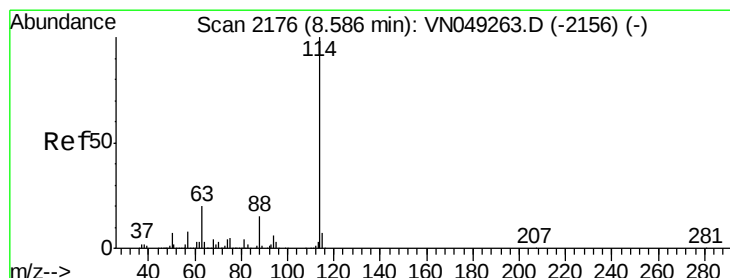
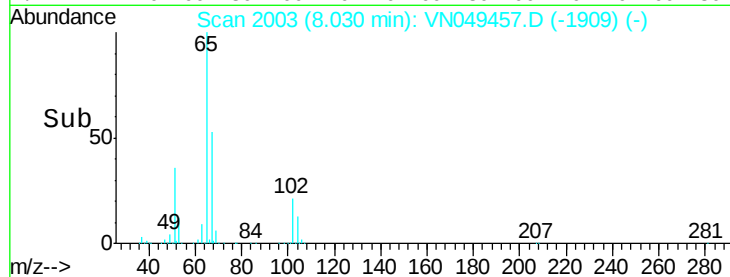
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049457.D

Acq: 21 Jun 2018 00:22

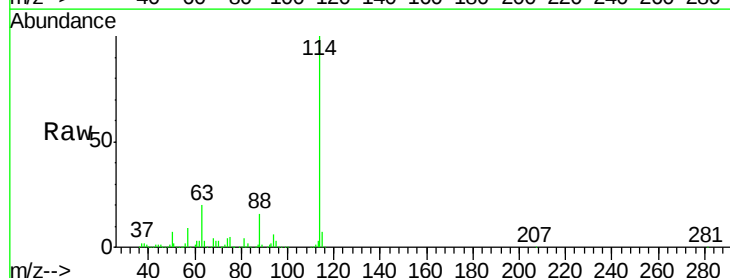
Tgt Ion: 114 Resp: 1731587

Ion Ratio Lower Upper

114 100

63 20.1 0.0 44.4

88 15.7 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049457.D (-2156) (-)

Ion 63.00 (62.70 to 63.70): VN049457.D (-2156) (-)

Ion 87.90 (87.60 to 88.60): VN049457.D (-2156) (-)

8.59

1000000

800000

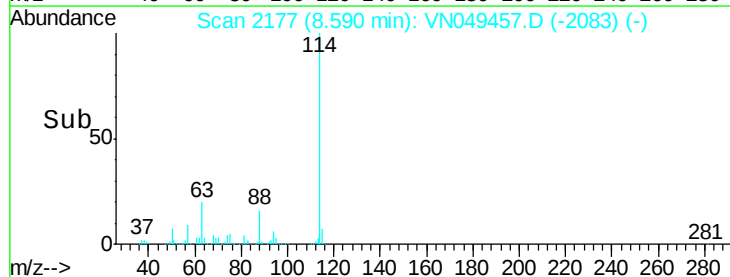
600000

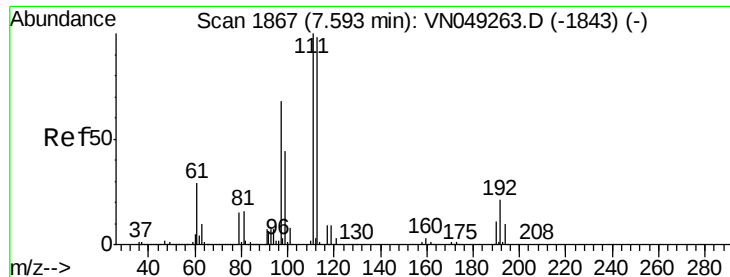
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 45.99 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049457.D

Acq: 21 Jun 2018 00:22

Instrument :

MSVOA\_N

ClientSampleId :

TP-3

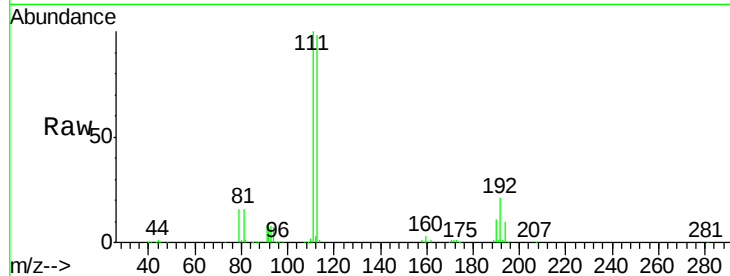
Tot Ion:113 Resp: 644308

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

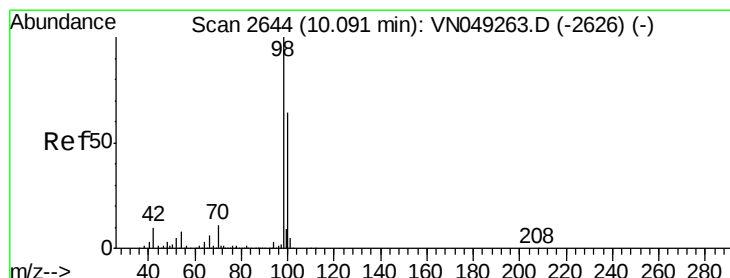
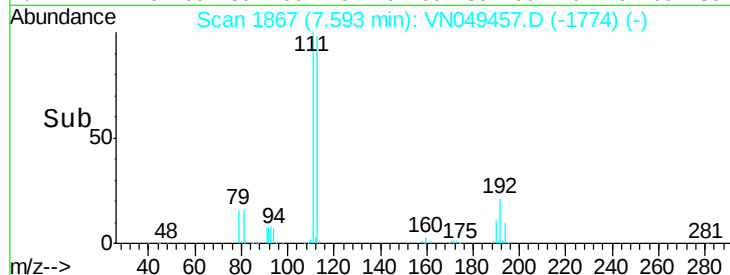
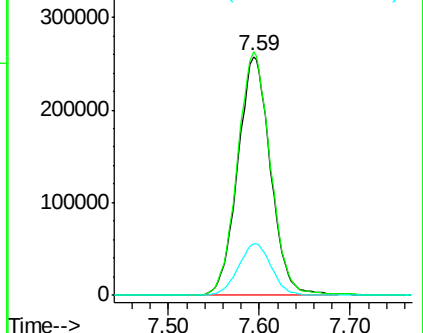
192 21.8 15.0 22.6



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



#50

Toluene-d8

Concen: 43.97 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049457.D

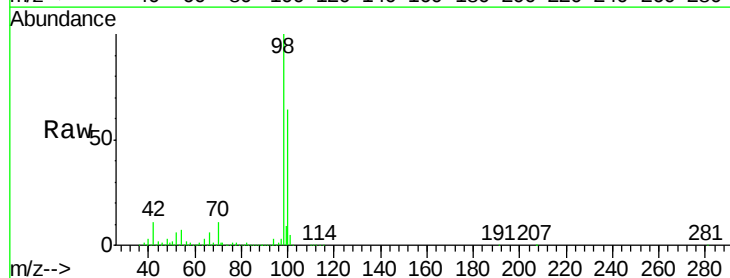
Acq: 21 Jun 2018 00:22

Tgt Ion: 98 Resp: 2345384

Ion Ratio Lower Upper

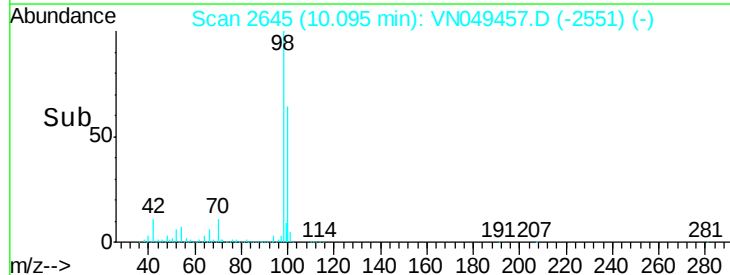
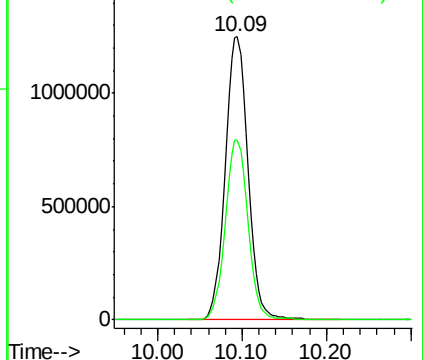
98 100

100 63.5 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

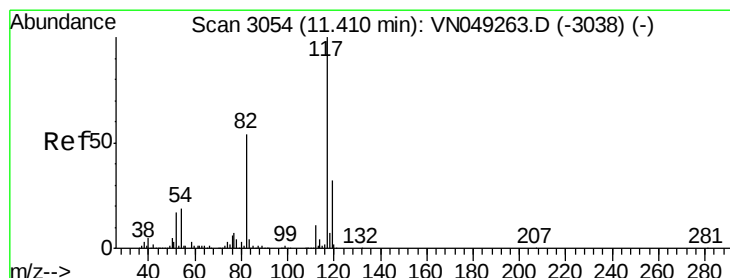
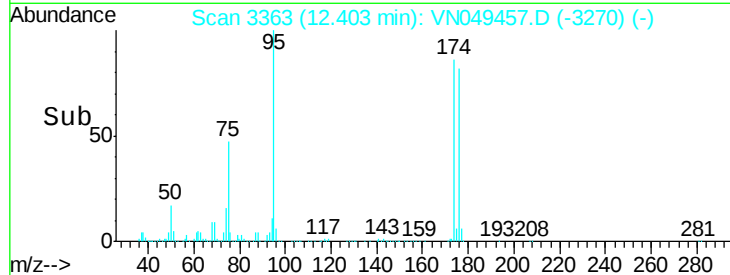
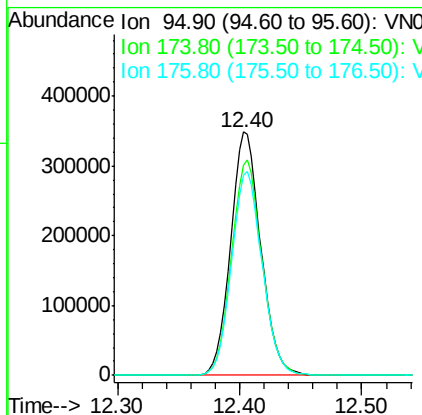
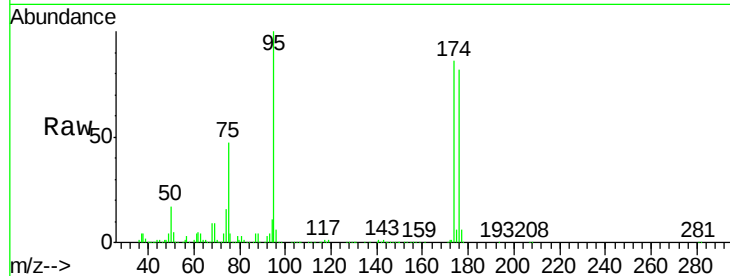




#62  
4-Bromofluorobenzene  
Concen: 33.93 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN049457.D  
Acq: 21 Jun 2018 00:22

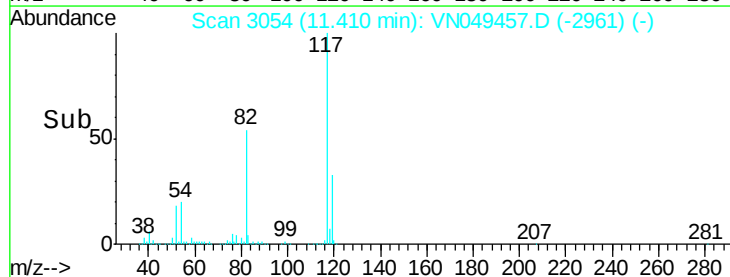
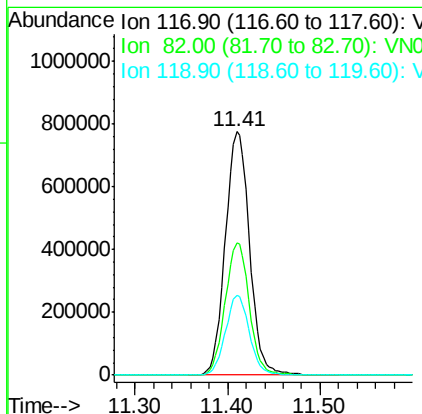
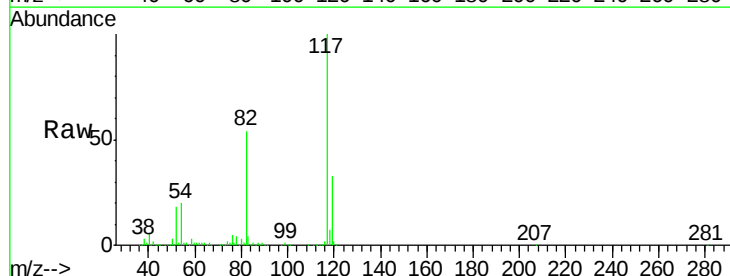
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-3

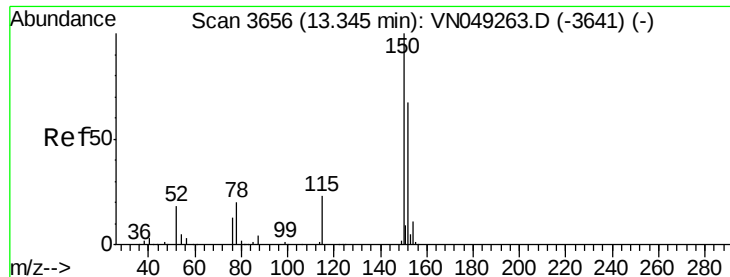
| Tot Ion   | 95    | Resp  | 598463 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 89.4  | 0.0   | 165.6  |
| 176       | 85.1  | 0.0   | 157.4  |



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049457.D  
Acq: 21 Jun 2018 00:22

| Tgt Ion   | 117   | Resp  | 1405154 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 117       | 100   |       |         |
| 82        | 54.4  | 45.9  | 68.9    |
| 119       | 32.8  | 25.5  | 38.3    |





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049457.D

Acq: 21 Jun 2018 00:22

Instrument :

MSVOA\_N

ClientSampleId :

TP-3

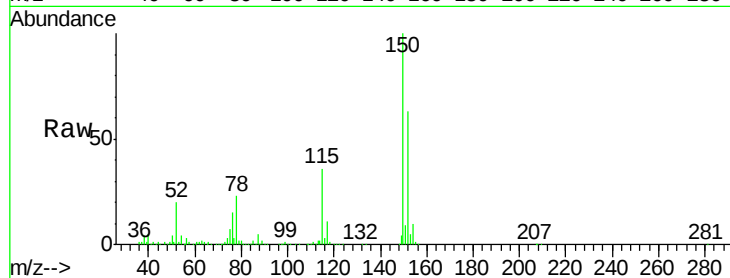
Tot Ion:152 Resp: 424228

Ion Ratio Lower Upper

152 100

115 57.2 28.7 86.1

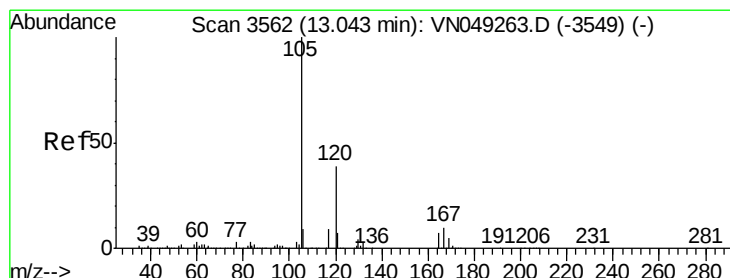
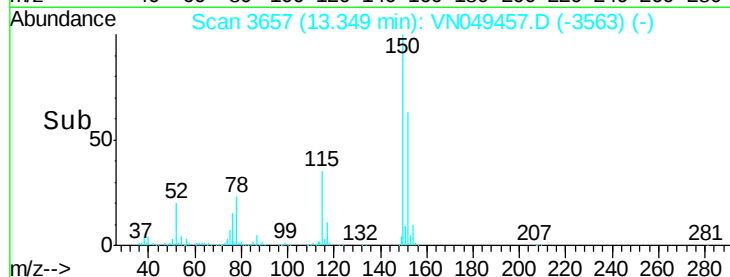
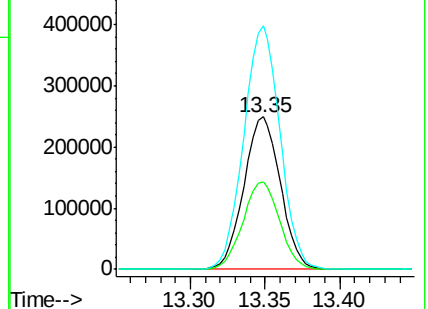
150 158.5 0.0 351.0



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



#84

1,2,4-Trimethylbenzene

Concen: 1.79 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049457.D

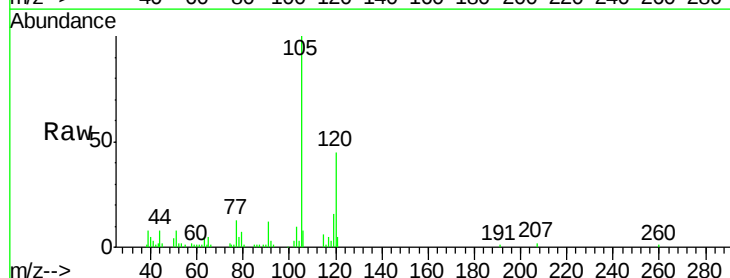
Acq: 21 Jun 2018 00:22

Tgt Ion:105 Resp: 52023

Ion Ratio Lower Upper

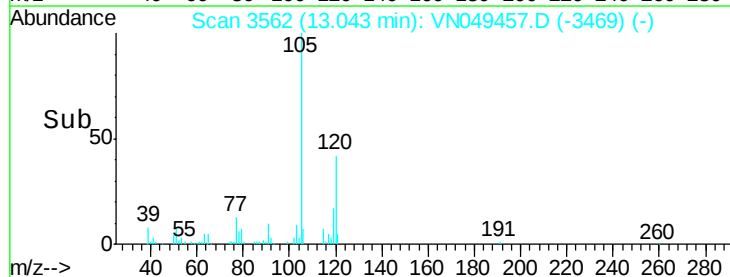
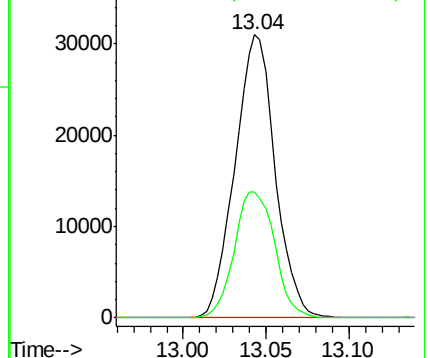
105 100

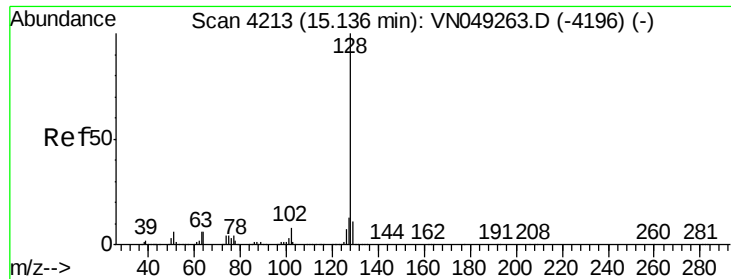
120 44.9 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 18.35 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049457.D

Acq: 21 Jun 2018 00:22

Instrument :

MSVOA\_N

ClientSampleId :

TP-3

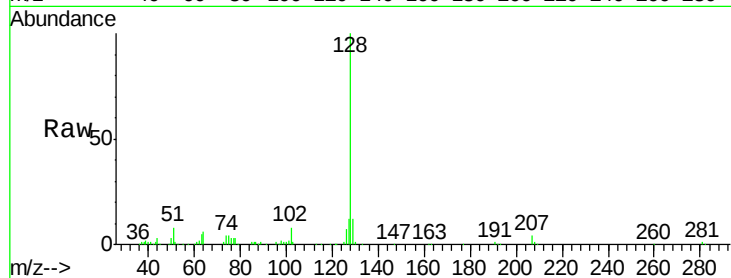
Tot Ion:128 Resp: 200586

Ion Ratio Lower Upper

128 100

127 12.4 10.6 16.0

129 11.5 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

