

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\  
 Data File : VN049995.D  
 Acq On : 21 Jul 2018 7:24  
 Operator : MD\SY  
 Sample : J4062-30  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-9

Quant Time: Jul 23 01:09:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071818W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 19 01:58:39 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 541296   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 926075   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 759905   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 276306   | 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   | 398853   | 53.61 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.22% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 349543   | 44.96 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.92%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1236507  | 43.65 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.30%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 331148   | 33.94 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 67.88%  |          |

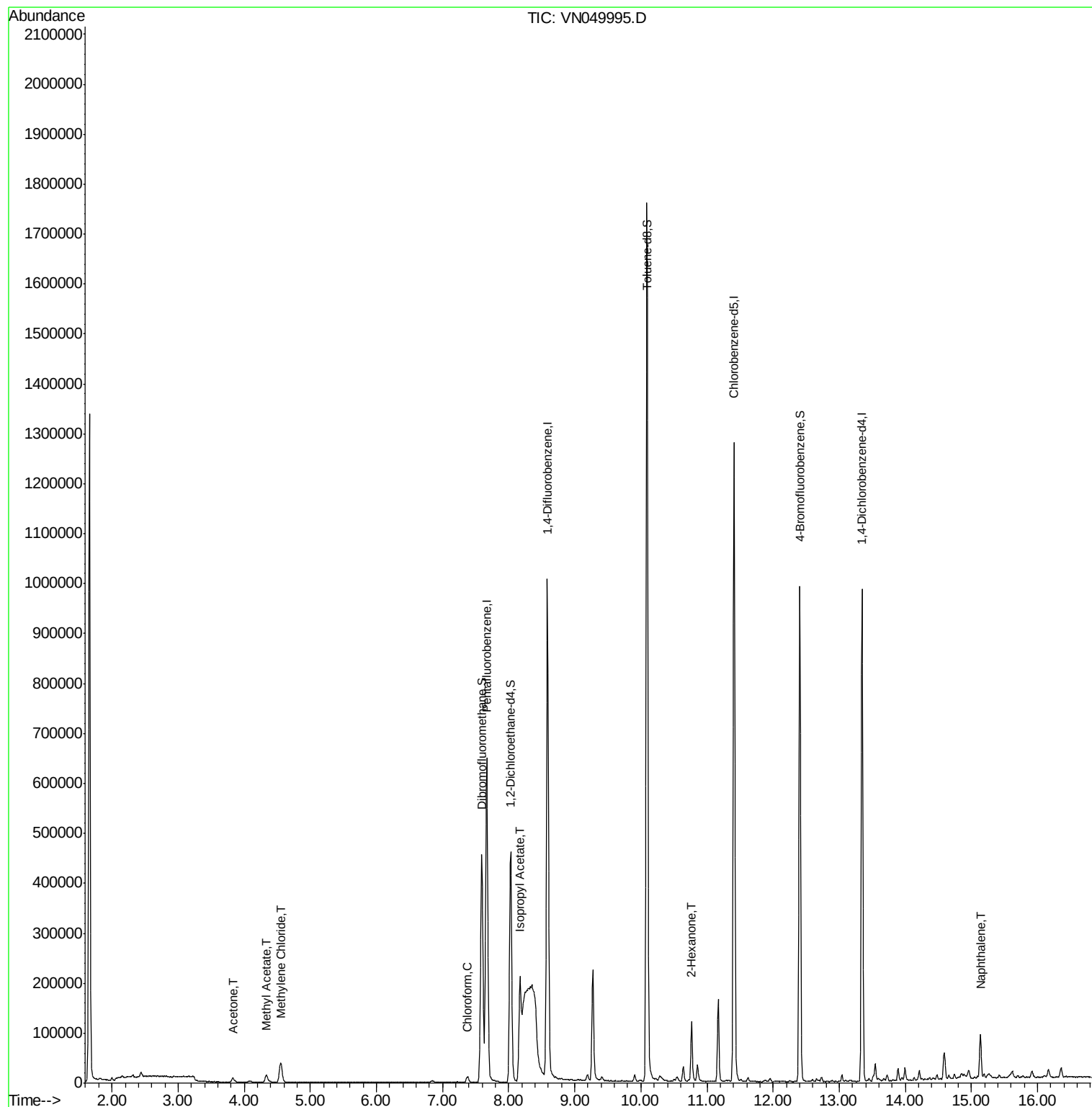
| Target Compounds       | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|------------------------|-------|------|----------|-------|--------|--------|
| 16) Acetone            | 3.82  | 43   | 15935    | 8.27  | ug/l   | 100    |
| 18) Methyl Acetate     | 4.34  | 43   | 27551    | 3.79  | ug/l   | 99     |
| 20) Methylene Chloride | 4.55  | 84   | 30326    | 4.14  | ug/l   | 98     |
| 30) Chloroform         | 7.37  | 83   | 13123    | 1.05  | ug/l   | 97     |
| 43) Isopropyl Acetate  | 8.17  | 43   | 255393   | 20.67 | ug/l   | 94     |
| 59) 2-Hexanone         | 10.77 | 43   | 16075    | 3.47  | ug/l # | 58     |
| 95) Naphthalene        | 15.14 | 128  | 78077    | 9.92  | ug/l   | 99     |

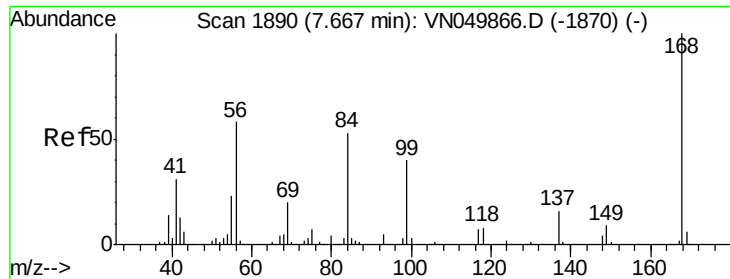
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\  
Data File : VN049995.D  
Acq On : 21 Jul 2018 7:24  
Operator : MD\SY  
Sample : J4062-30  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 43 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-9

Quant Time: Jul 23 01:09:55 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071818W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 19 01:58:39 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049995.D

Acq: 21 Jul 2018 7:24

Instrument :

MSVOA\_N

ClientSampled :

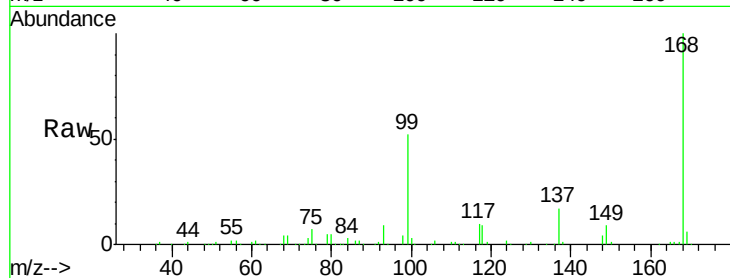
TP-9

Tot Ion:168 Resp: 541296

Ion Ratio Lower Upper

168 100

99 52.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

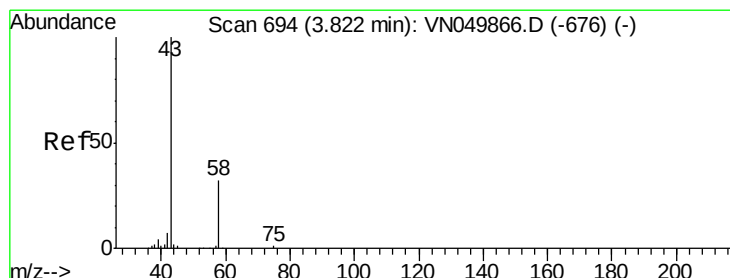
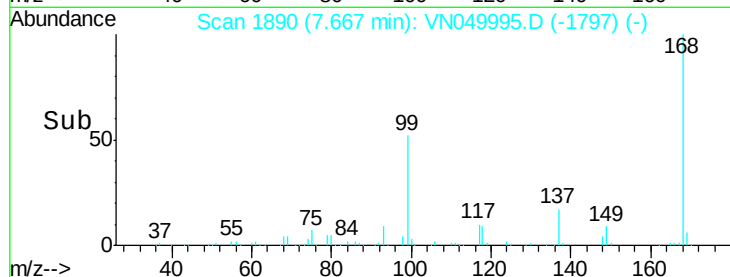
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 8.27 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049995.D

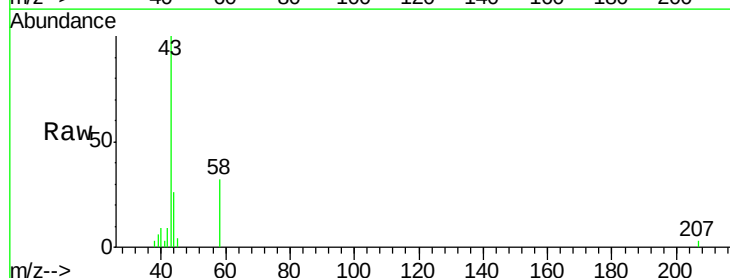
Acq: 21 Jul 2018 7:24

Tgt Ion: 43 Resp: 15935

Ion Ratio Lower Upper

43 100

58 32.4 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

6000

5000

4000

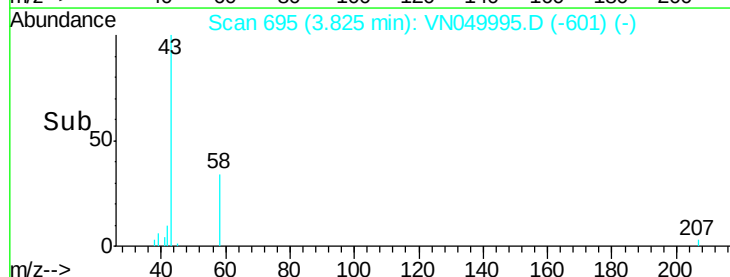
3000

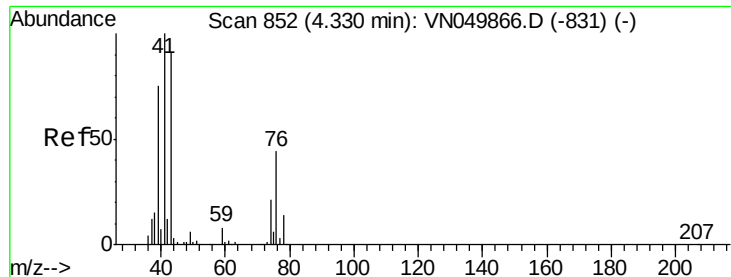
2000

1000

0

Time-->

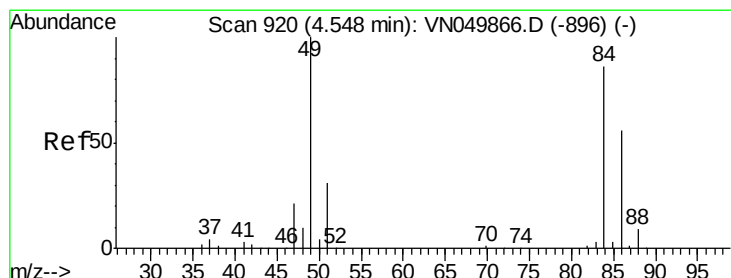
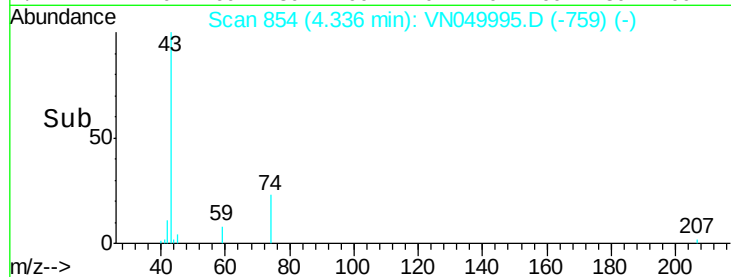
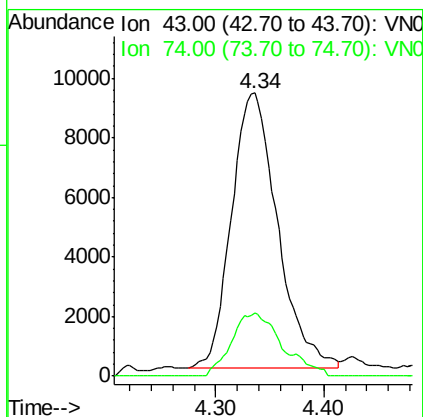
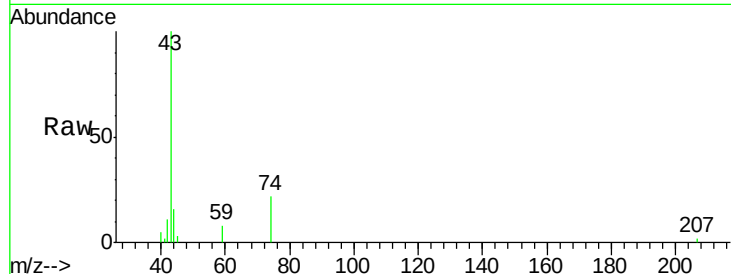




#18  
Methvl Acetate  
Concen: 3.79 ug/l  
RT: 4.34 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: VN049995.D  
Acq: 21 Jul 2018 7:24

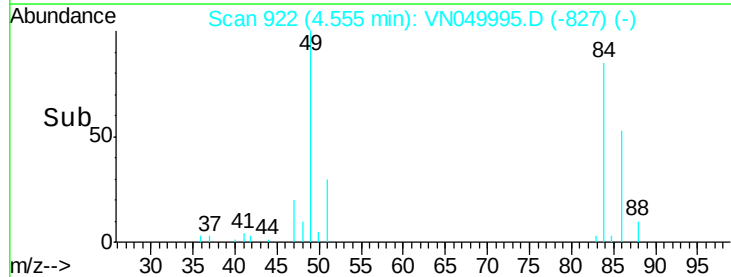
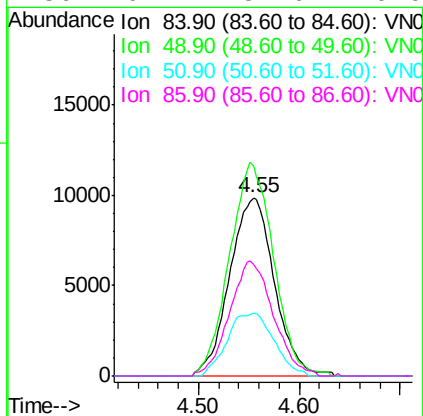
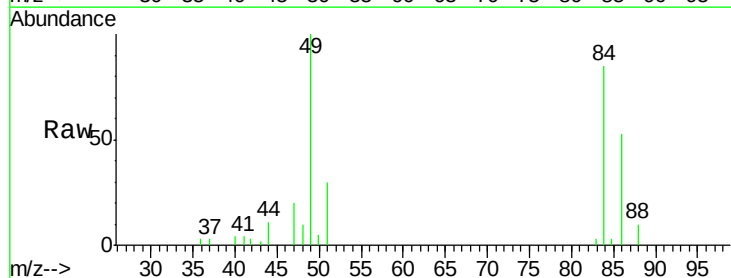
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-9

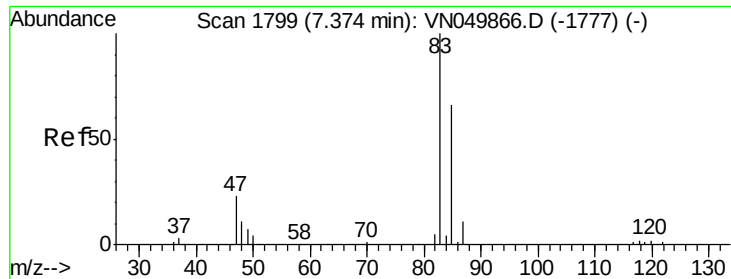
Tot Ion: 43 Resp: 27551  
Ion Ratio Lower Upper  
43 100  
74 25.1 19.8 29.8



#20  
Methylene Chloride  
Concen: 4.14 ug/l  
RT: 4.55 min Scan# 922  
Delta R.T. 0.01 min  
Lab File: VN049995.D  
Acq: 21 Jul 2018 7:24

Tgt Ion: 84 Resp: 30326  
Ion Ratio Lower Upper  
84 100  
49 118.1 95.4 143.2  
51 35.6 28.4 42.6  
86 62.7 52.6 79.0

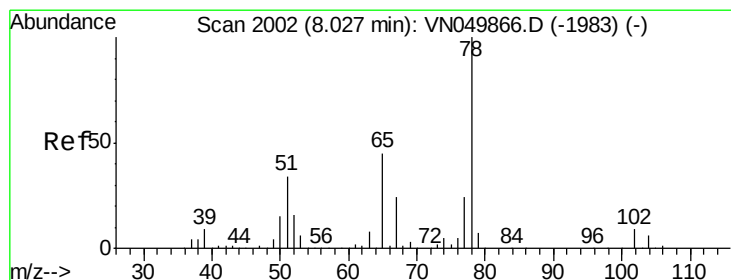
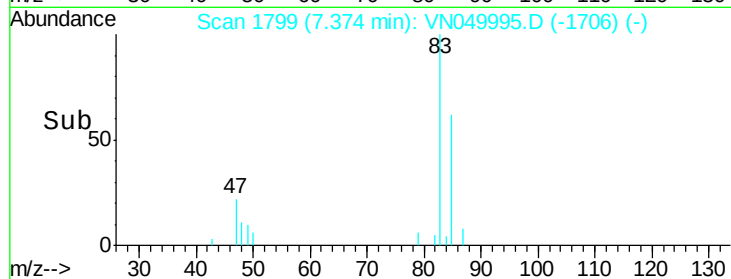
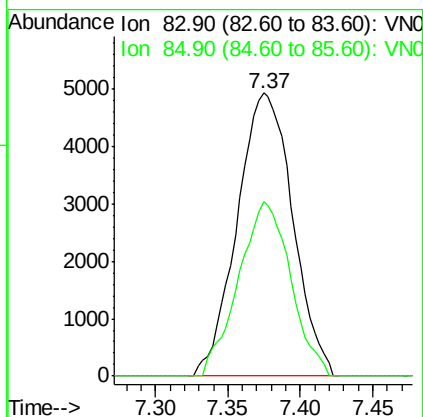
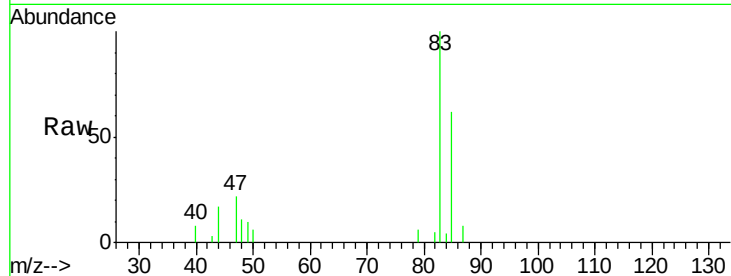




#30  
Chloroform  
Concen: 1.05 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. 0.00 min  
Lab File: VN049995.D  
Acq: 21 Jul 2018 7:24

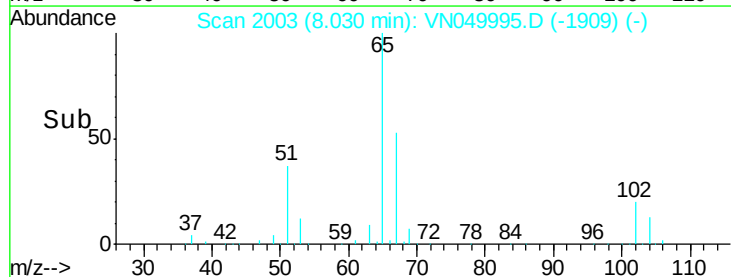
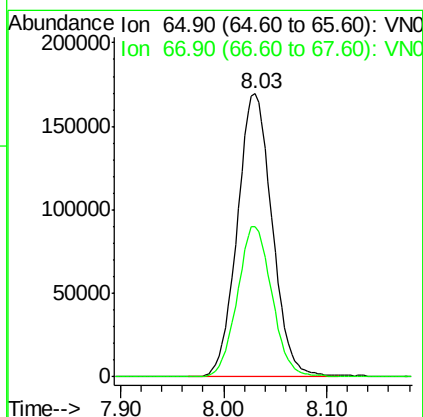
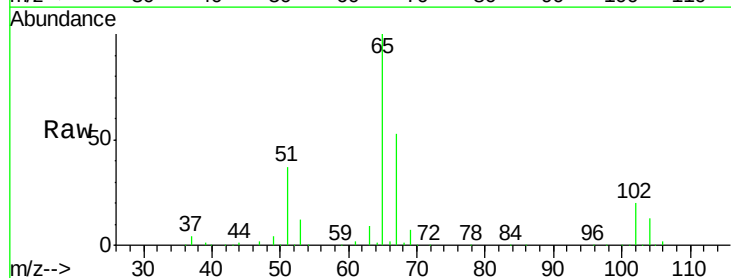
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-9

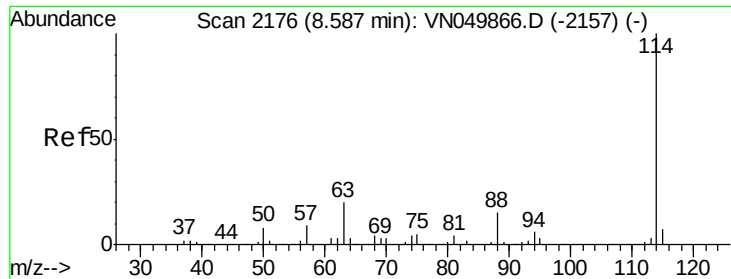
Tot Ion: 83 Resp: 13123  
Ion Ratio Lower Upper  
83 100  
85 61.7 51.4 77.2



#33  
1,2-Dichloroethane-d4  
Concen: 53.61 ug/l  
RT: 8.03 min Scan# 2003  
Delta R.T. 0.00 min  
Lab File: VN049995.D  
Acq: 21 Jul 2018 7:24

Tgt Ion: 65 Resp: 398853  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 107.2

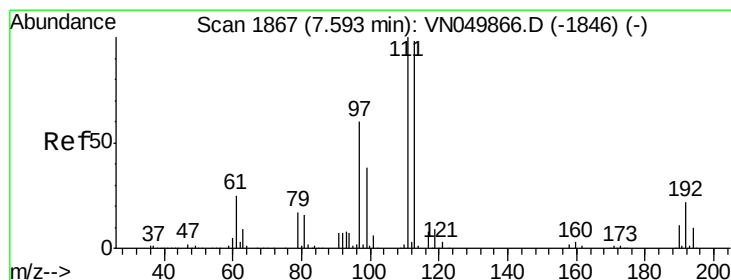
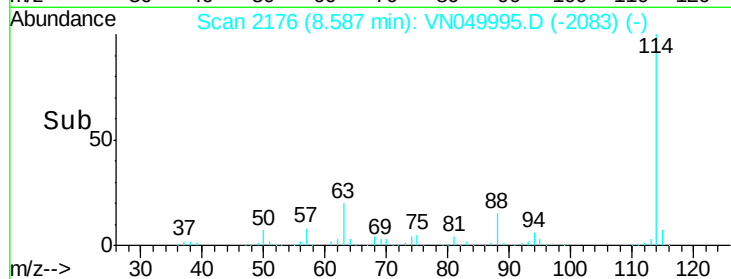
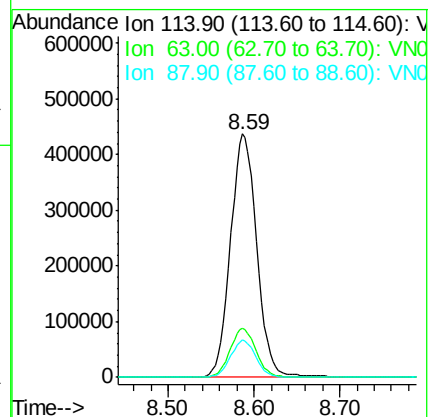
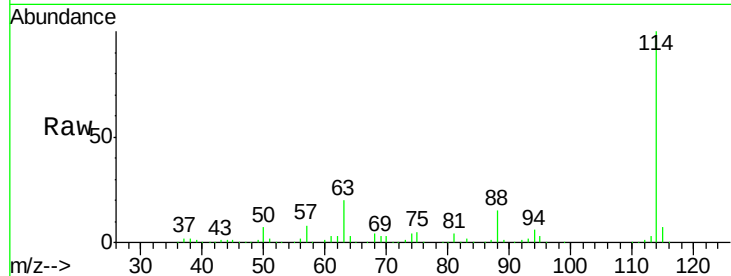




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. 0.00 min  
 Lab File: VN049995.D  
 Acq: 21 Jul 2018 7:24

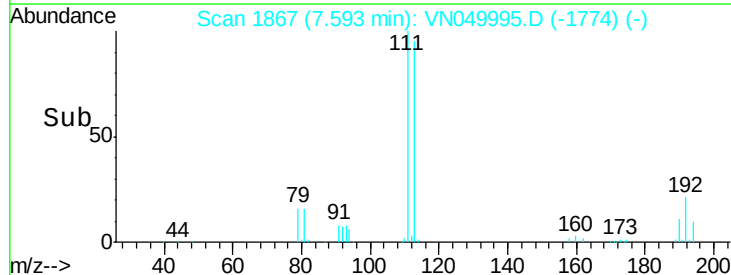
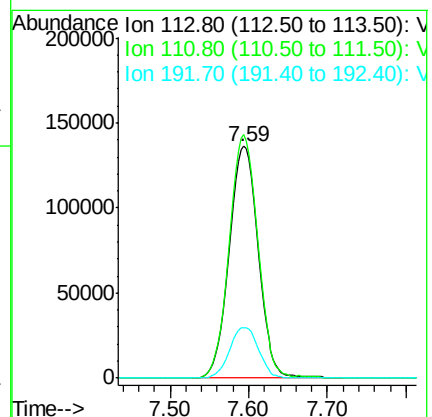
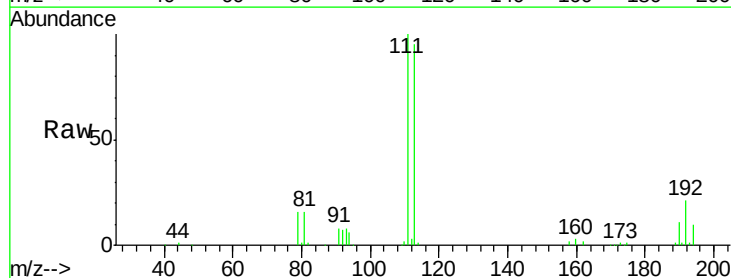
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-9

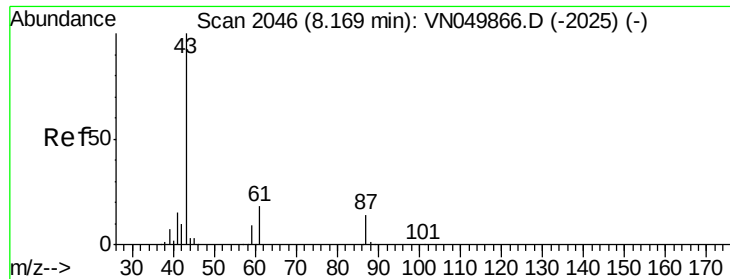
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.1  | 0.0   | 39.8  |
| 88      | 15.3  | 0.0   | 30.6  |



#35  
 Dibromofluoromethane  
 Concen: 44.96 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN049995.D  
 Acq: 21 Jul 2018 7:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.9 | 81.8  | 122.8 |
| 192     | 21.8  | 17.8  | 26.6  |





#43

Isopropyl Acetate

Concen: 20.67 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN049995.D

Acq: 21 Jul 2018 7:24

Instrument :

MSVOA\_N

ClientSampled :

TP-9

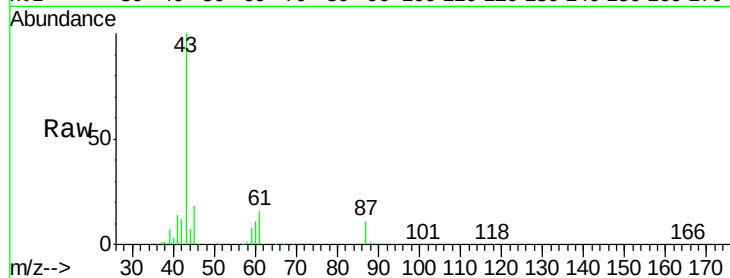
Tot Ion: 43 Resp: 255393

Ion Ratio Lower Upper

43 100

61 15.5 14.9 22.3

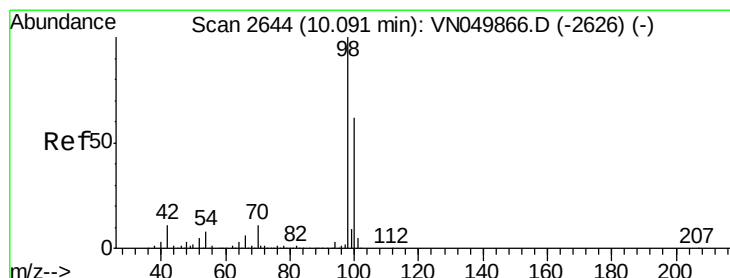
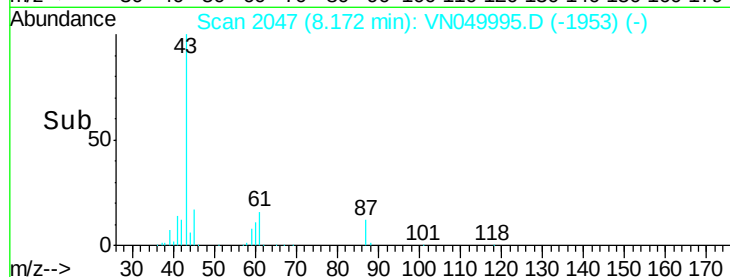
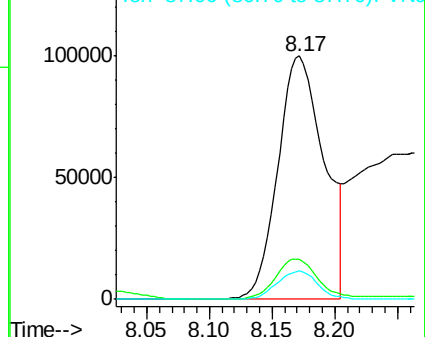
87 10.3 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-2025) (-)

Ion 61.00 (60.70 to 61.70): VN049866.D (-2025) (-)

Ion 87.00 (86.70 to 87.70): VN049866.D (-2025) (-)



#50

Toluene-d8

Concen: 43.65 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049995.D

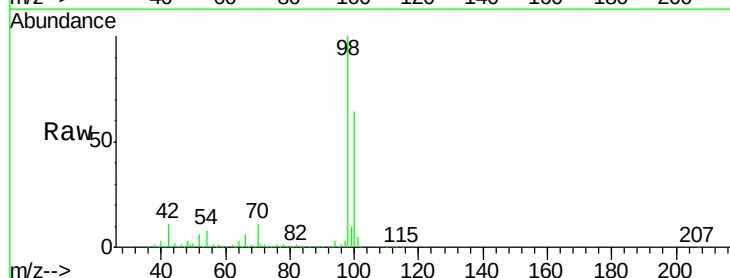
Acq: 21 Jul 2018 7:24

Tgt Ion: 98 Resp: 1236507

Ion Ratio Lower Upper

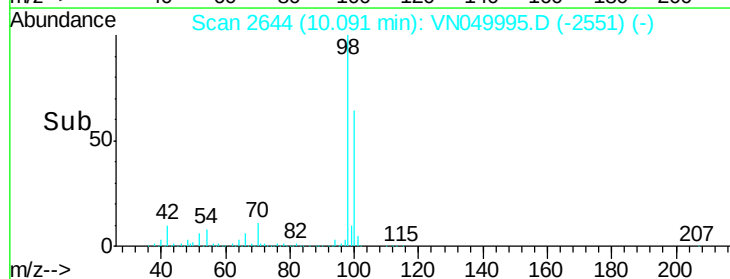
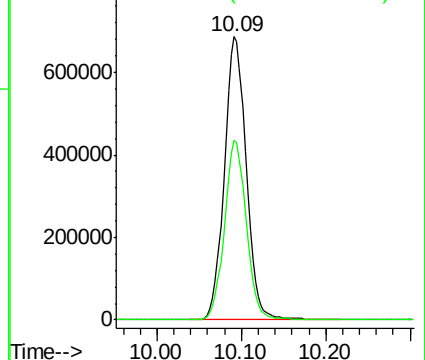
98 100

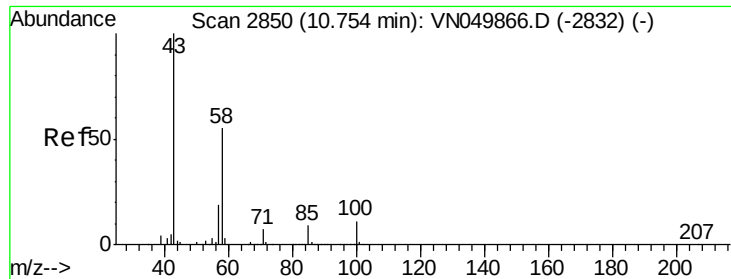
100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049866.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049866.D (-2626) (-)

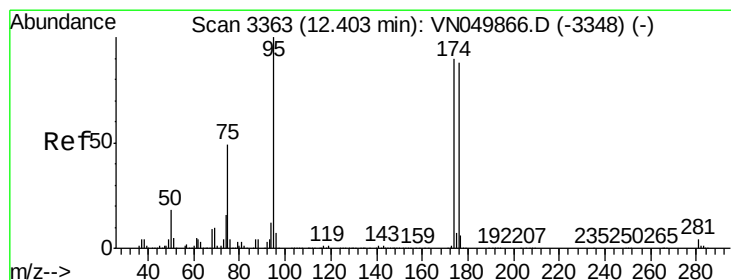
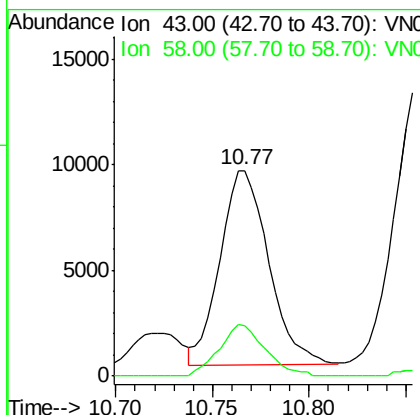
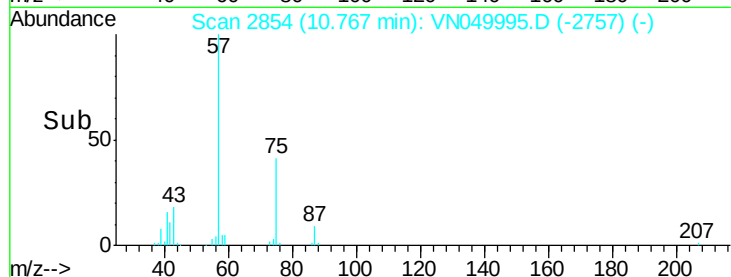
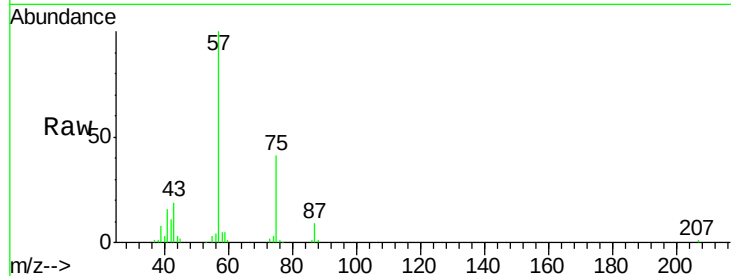




#59  
2-Hexanone  
Concen: 3.47 ug/l  
RT: 10.77 min Scan# 2854  
Delta R.T. 0.01 min  
Lab File: VN049995.D  
Acq: 21 Jul 2018 7:24

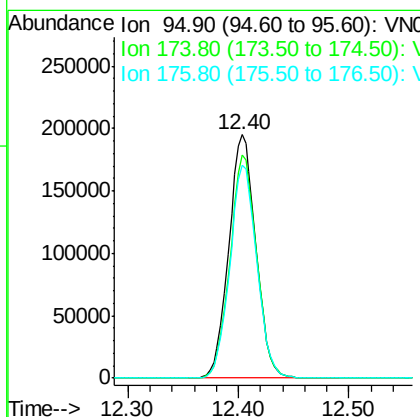
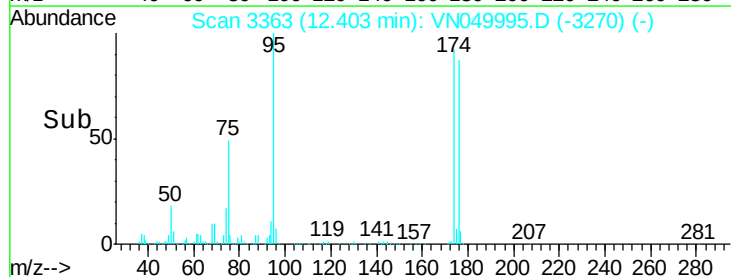
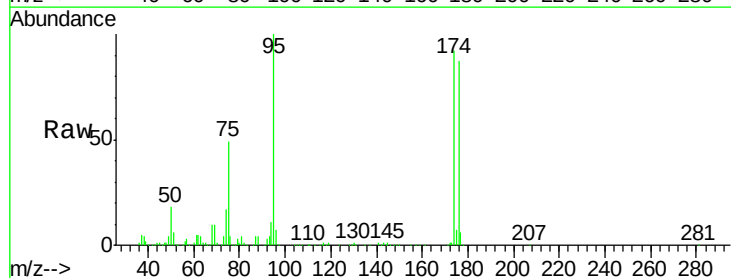
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-9

Tot Ion: 43 Resp: 16075  
Ion Ratio Lower Upper  
43 100  
58 25.1 27.8 83.4#

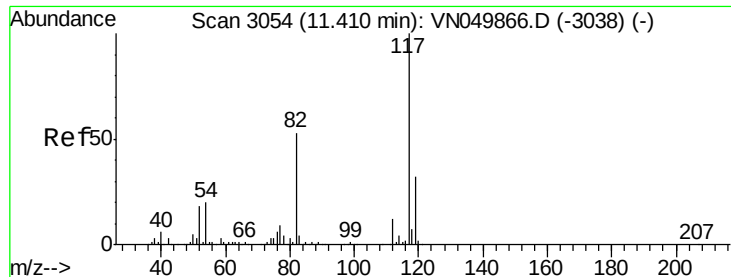


#62  
4-Bromofluorobenzene  
Concen: 33.94 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN049995.D  
Acq: 21 Jul 2018 7:24

Tgt Ion: 95 Resp: 331148  
Ion Ratio Lower Upper  
95 100  
174 90.8 0.0 179.6  
176 87.0 0.0 174.0



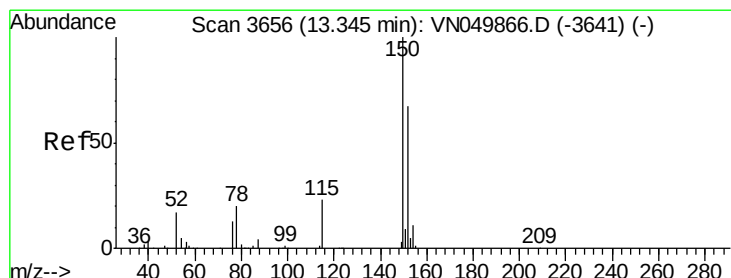
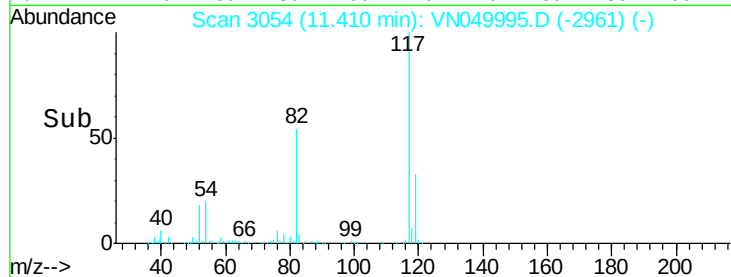
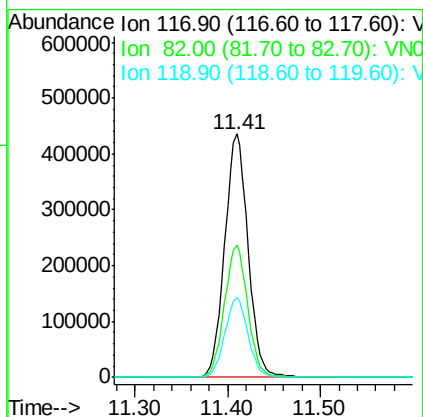
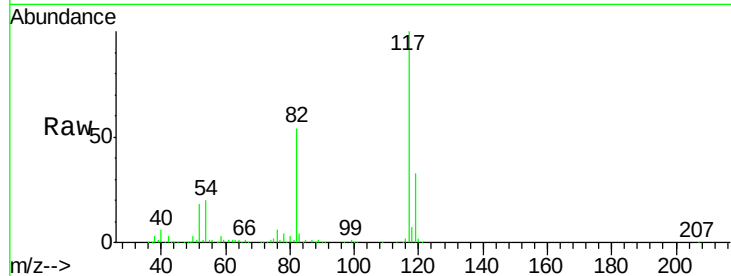




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049995.D  
Acq: 21 Jul 2018 7:24

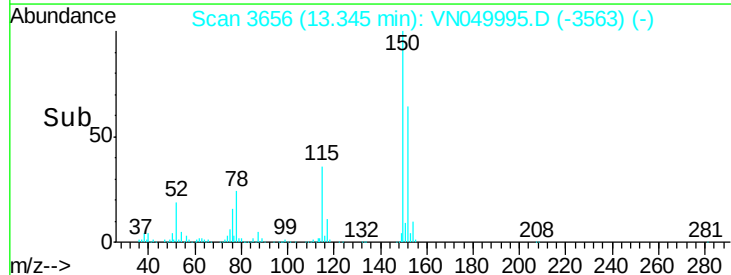
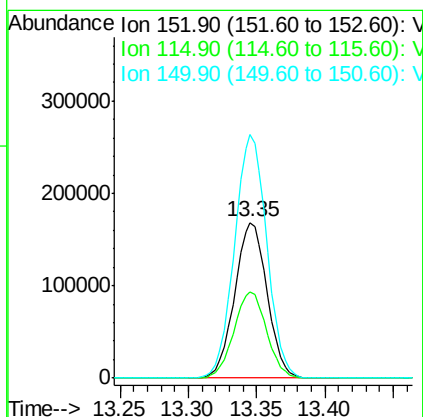
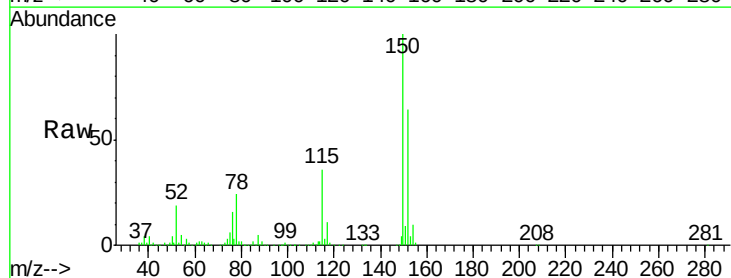
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-9

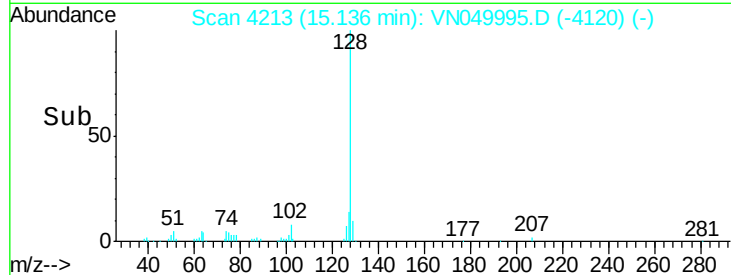
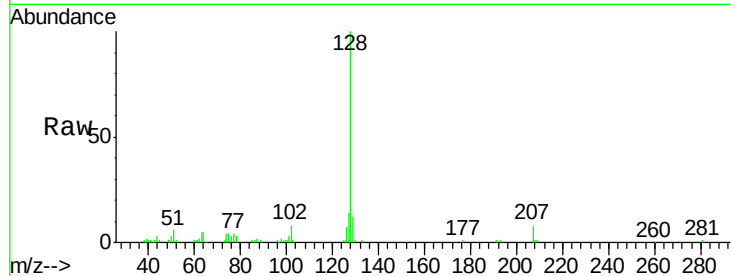
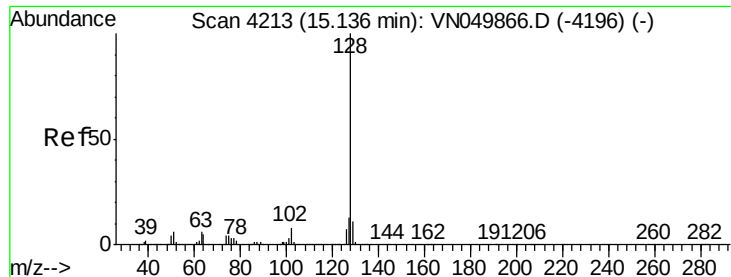
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.1  | 41.9  | 62.9  |
| 119     | 32.6  | 25.4  | 38.2  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3656  
Delta R.T. 0.00 min  
Lab File: VN049995.D  
Acq: 21 Jul 2018 7:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.2  | 28.1  | 84.2  |
| 150     | 156.3 | 0.0   | 347.6 |





#95

Naphthalene

Concen: 9.92 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049995.D

Acq: 21 Jul 2018 7:24

Instrument :

MSVOA\_N

ClientSampleId :

TP-9

Tot Ion:128 Resp: 78077

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.5 8.6 13.0

