

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020719\  
 Data File : VX007428.D  
 Acq On : 07 Feb 2019 16:29  
 Operator : JC/SP  
 Sample : K1401-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RT-3451

Quant Time: Feb 08 22:38:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 02 01:32:36 2019  
 Response via : Initial Calibration

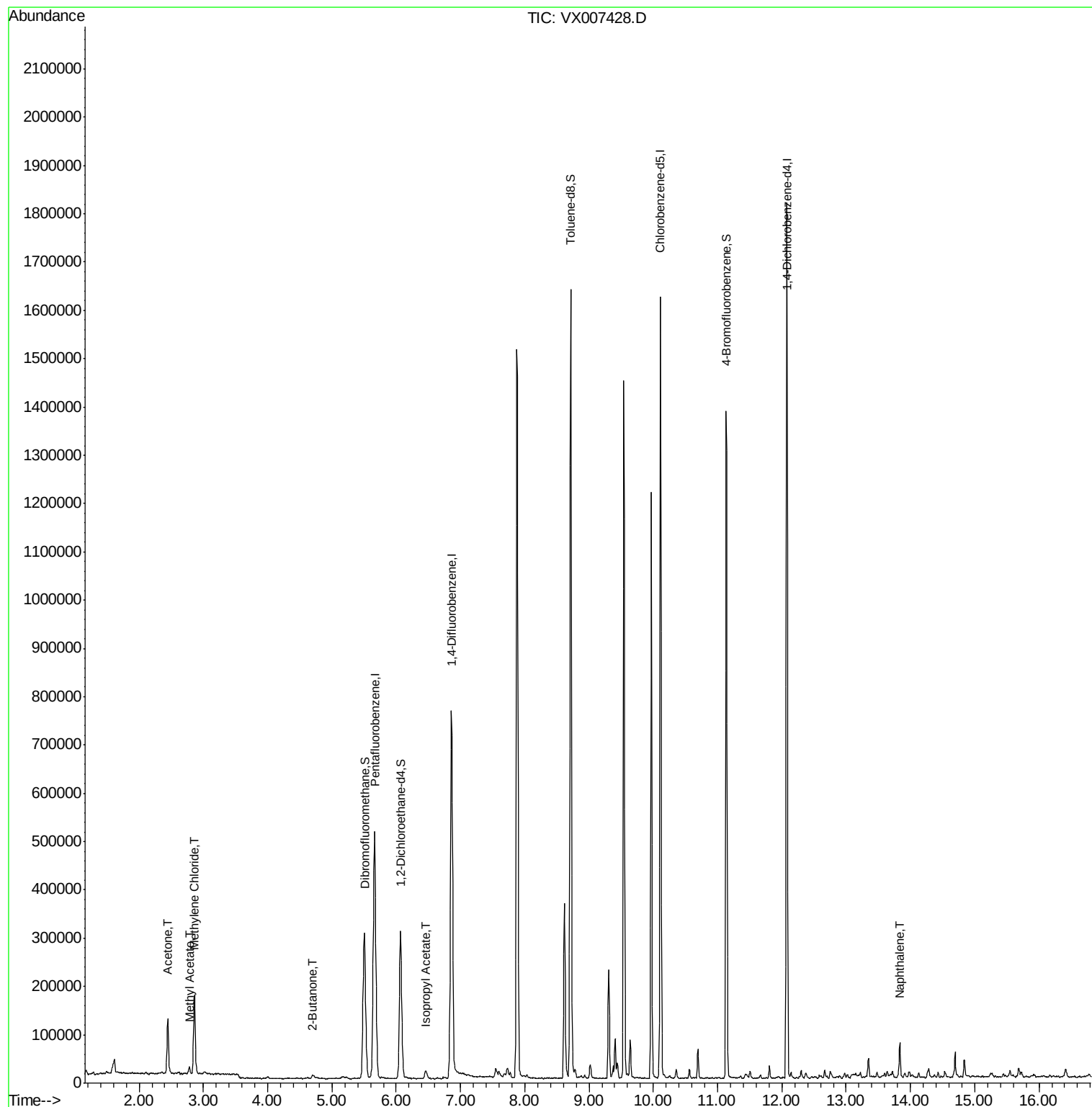
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 526787   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 806578   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 785287   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 386235   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 283688   | 50.74  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.48% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 257552   | 49.08  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.16%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 993266   | 51.01  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.02% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 360938   | 50.77  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.54% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.45  | 43   | 121778   | 47.546 | ug/l    | 97       |
| 18) Methyl Acetate          | 2.78  | 43   | 18041    | 3.264  | ug/l    | 97       |
| 20) Methylene Chloride      | 2.86  | 84   | 77148    | 14.467 | ug/l    | 97       |
| 25) 2-Butanone              | 4.70  | 43   | 14918    | 4.093  | ug/l #  | 88       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 22576    | 1.999  | ug/l    | 97       |
| 95) Naphthalene             | 13.83 | 128  | 45769    | 1.757  | ug/l    | 98       |

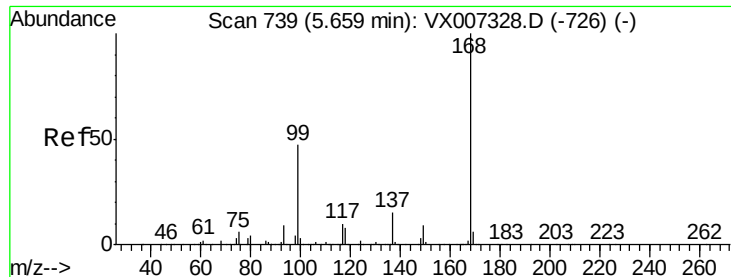
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020719\  
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Quant Title : SW846 8260  
QLast Update : Sat Feb 02 01:32:36 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007428.D

Acq: 07 Feb 2019 16:29

Instrument :

MSVOA\_X

ClientSampled :

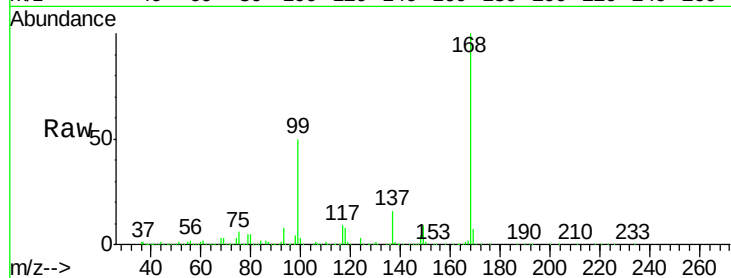
RT-3451

Tot Ion:168 Resp: 526787

Ion Ratio Lower Upper

168 100

99 49.7 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

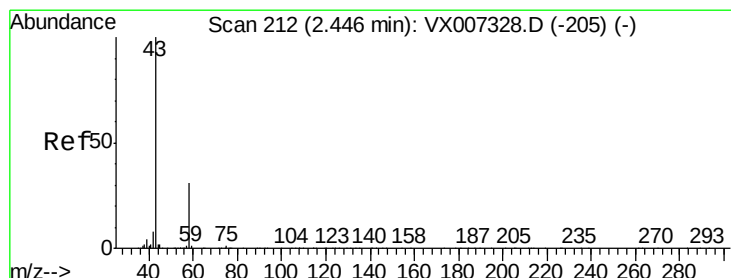
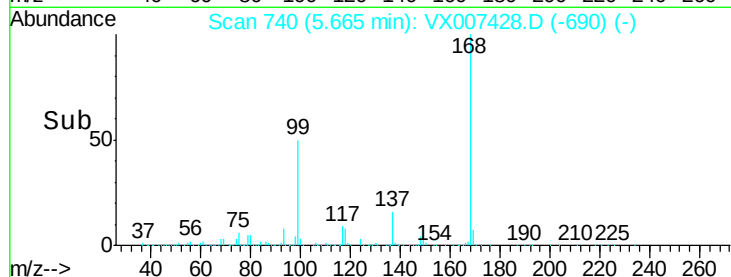
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 47.546 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007428.D

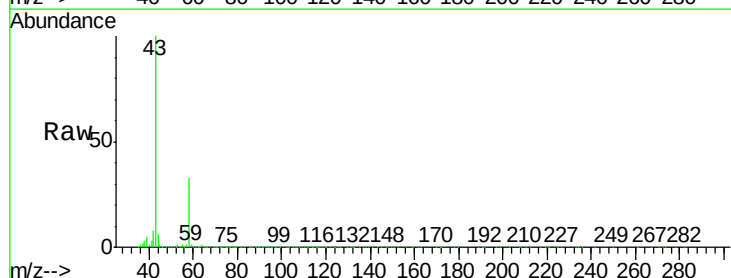
Acq: 07 Feb 2019 16:29

Tgt Ion: 43 Resp: 121778

Ion Ratio Lower Upper

43 100

58 32.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

80000

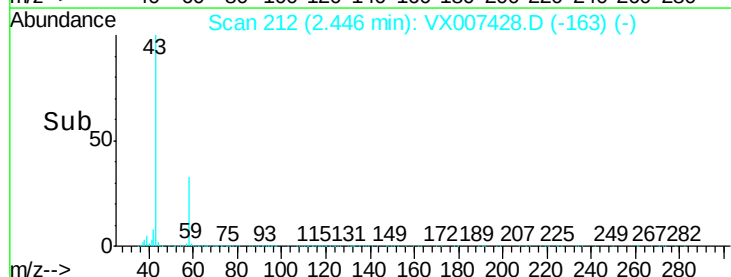
60000

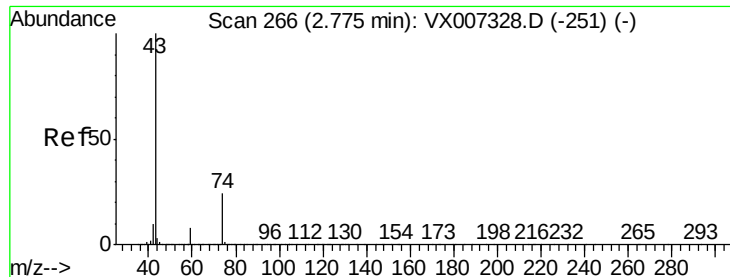
40000

20000

0

Time-->

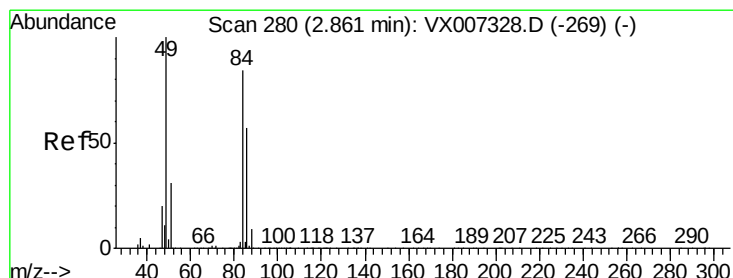
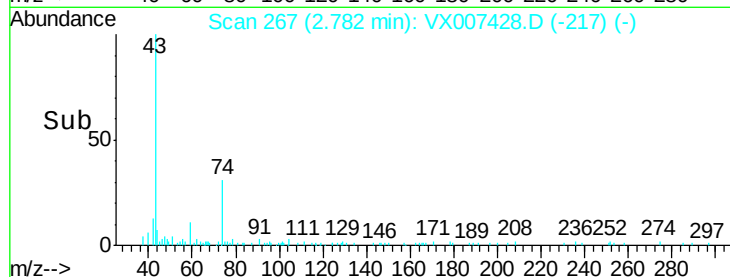
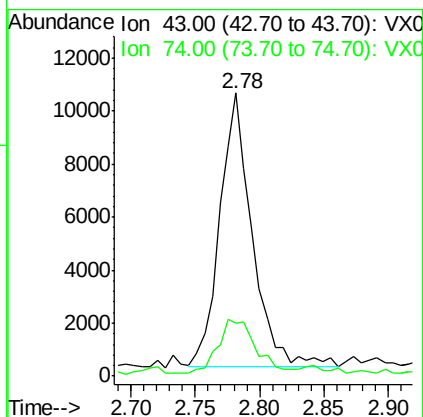
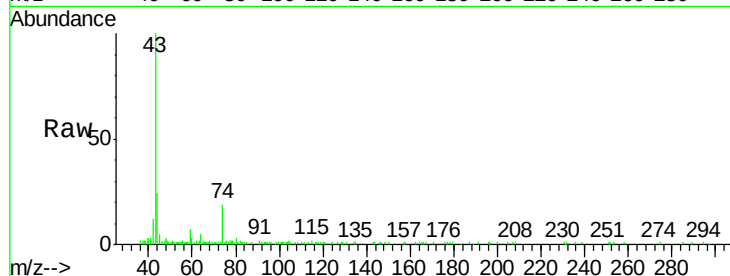




#18  
Methyl Acetate  
Concen: 3.264 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. 0.01 min  
Lab File: VX007428.D  
Acq: 07 Feb 2019 16:29

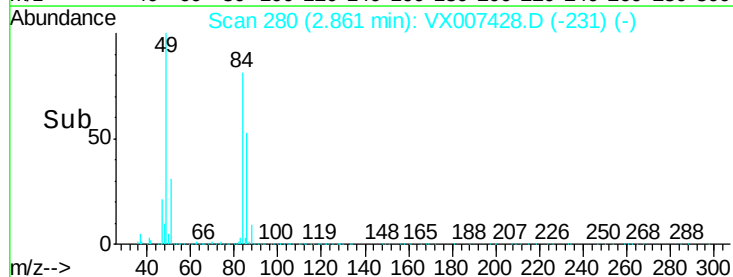
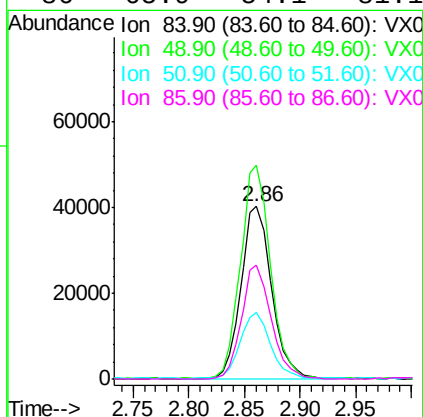
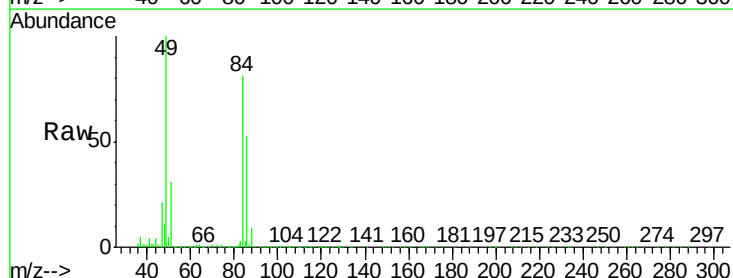
Instrument :  
MSVOA\_X  
ClientSampleId :  
RT-3451

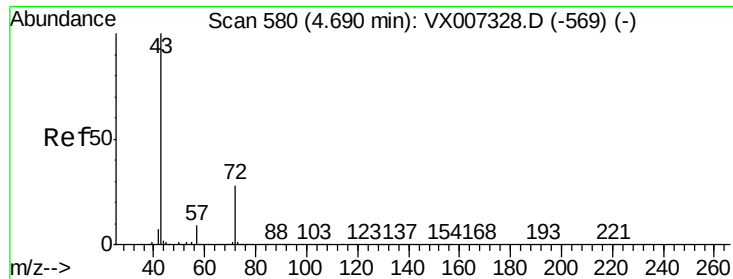
Tot Ion: 43 Resp: 18041  
Ion Ratio Lower Upper  
43 100  
74 23.1 19.4 29.2



#20  
Methylene Chloride  
Concen: 14.467 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.00 min  
Lab File: VX007428.D  
Acq: 07 Feb 2019 16:29

Tgt Ion: 84 Resp: 77148  
Ion Ratio Lower Upper  
84 100  
49 123.2 94.8 142.2  
51 38.9 29.8 44.8  
86 65.9 54.1 81.1





#25

2-Butanone

Concen: 4.093 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007428.D

Acq: 07 Feb 2019 16:29

Instrument :

MSVOA\_X

ClientSampled :

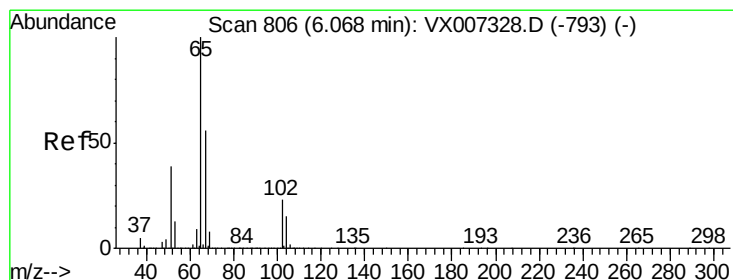
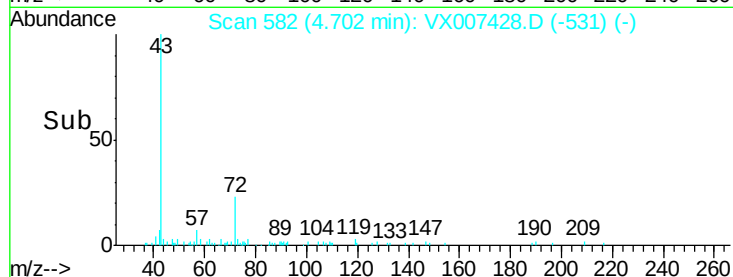
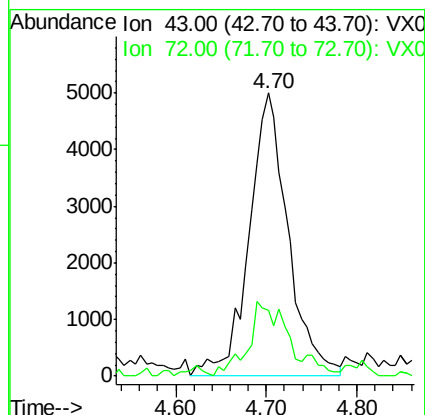
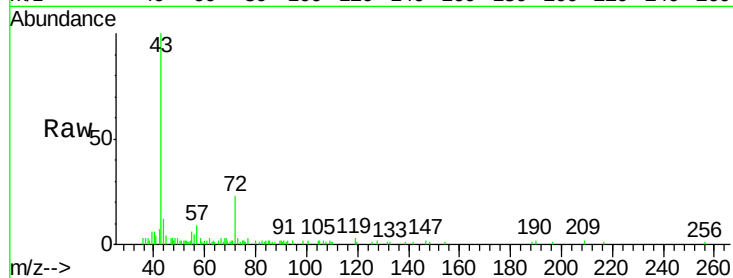
RT-3451

Tot Ion: 43 Resp: 14918

Ion Ratio Lower Upper

43 100

72 21.6 22.2 33.2#



#33

1,2-Dichloroethane-d4

Concen: 50.736 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007428.D

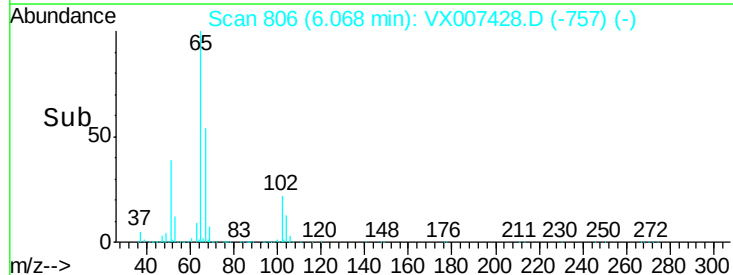
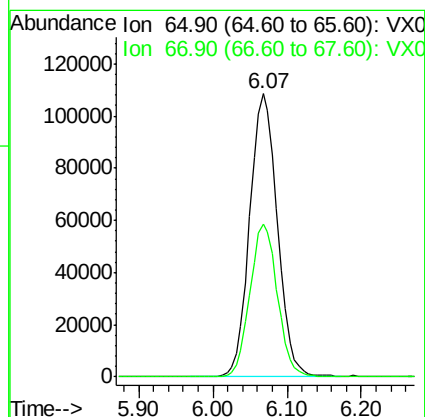
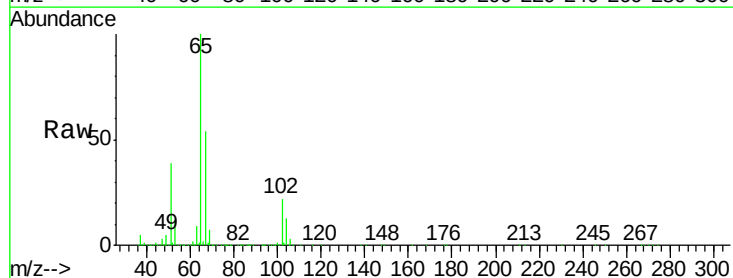
Acq: 07 Feb 2019 16:29

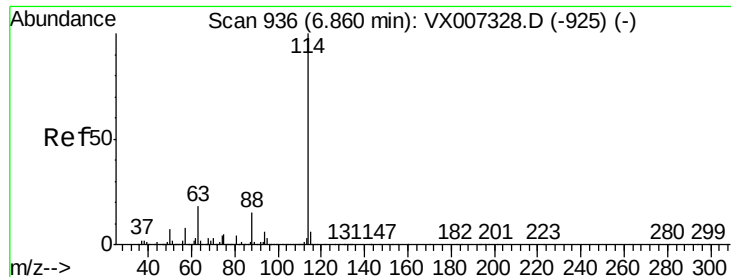
Tgt Ion: 65 Resp: 283688

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.8

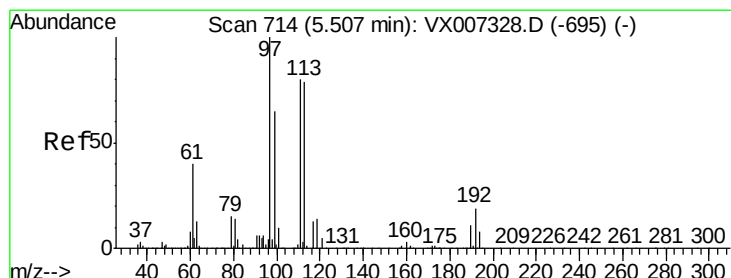
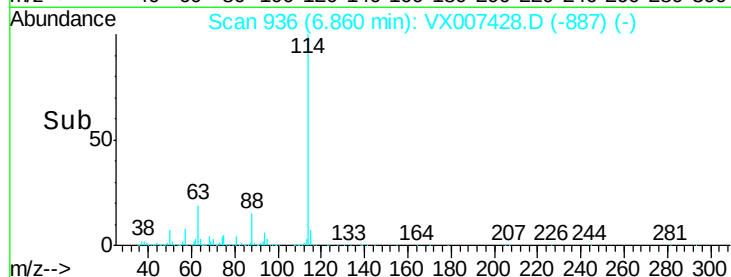
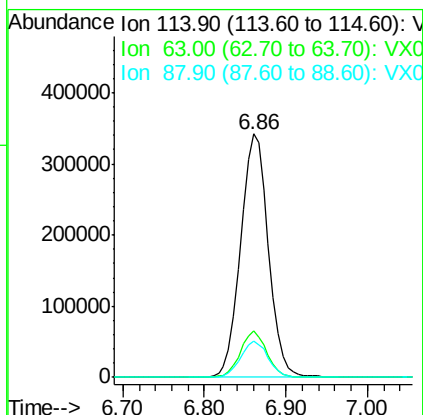
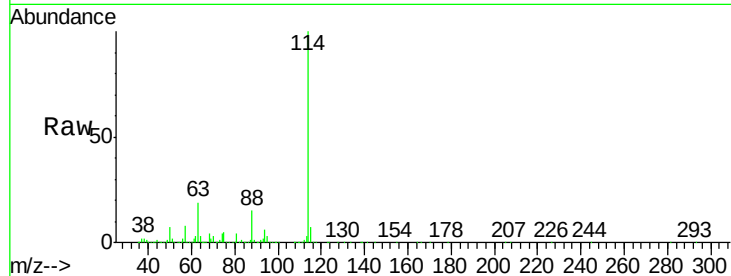




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX007428.D  
 Acq: 07 Feb 2019 16:29

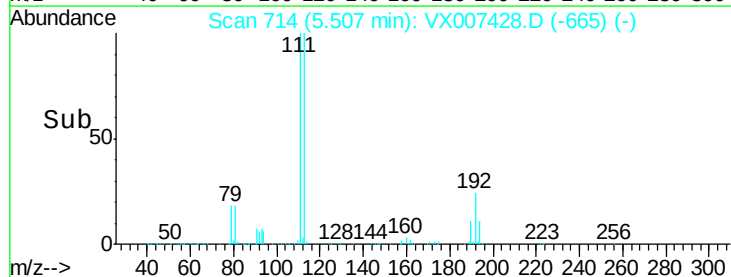
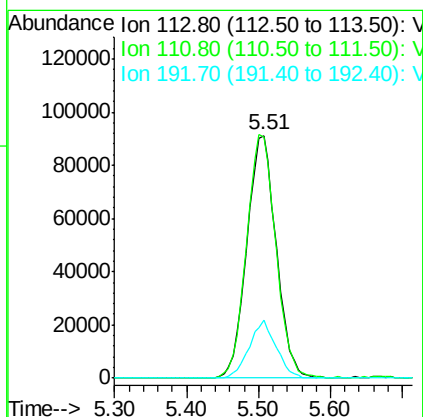
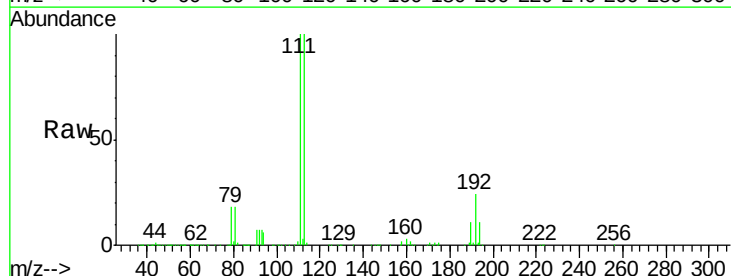
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RT-3451

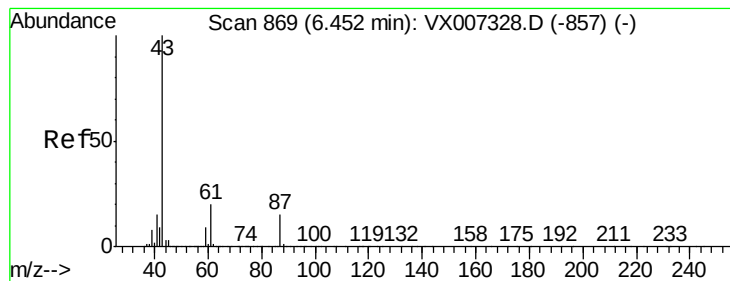
Tot Ion:114 Resp: 806578  
 Ion Ratio Lower Upper  
 114 100  
 63 19.0 0.0 35.6  
 88 15.1 0.0 29.6



#35  
 Dibromofluoromethane  
 Concen: 49.075 ug/l  
 RT: 5.51 min Scan# 714  
 Delta R.T. 0.00 min  
 Lab File: VX007428.D  
 Acq: 07 Feb 2019 16:29

Tgt Ion:113 Resp: 257552  
 Ion Ratio Lower Upper  
 113 100  
 111 100.6 81.8 122.8  
 192 21.9 18.5 27.7





#43

Isopropyl Acetate

Concen: 1.999 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007428.D

Acq: 07 Feb 2019 16:29

Instrument :

MSVOA\_X

ClientSampled :

RT-3451

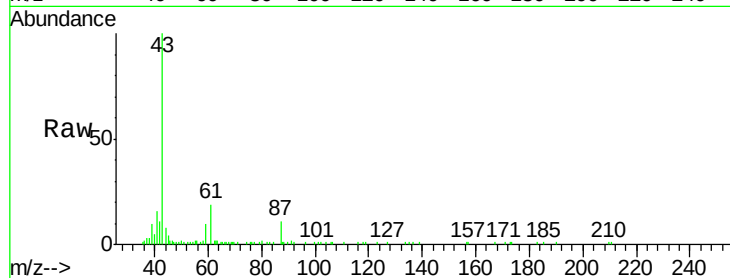
Tot Ion: 43 Resp: 22576

Ion Ratio Lower Upper

43 100

61 22.4 16.1 24.1

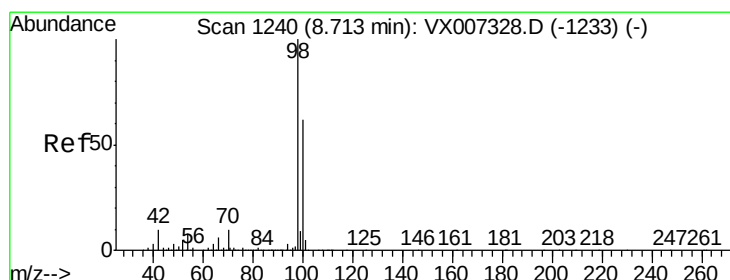
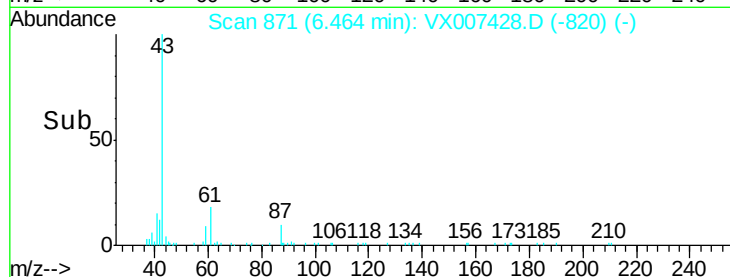
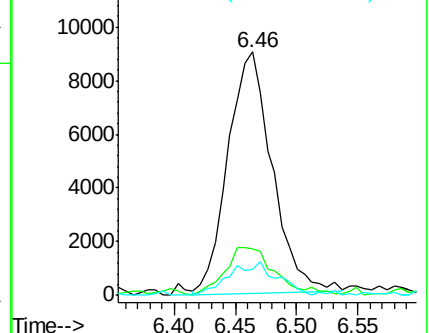
87 14.8 11.5 17.3



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: 51.012 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007428.D

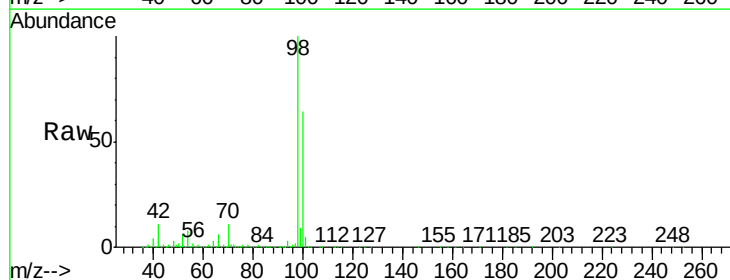
Acq: 07 Feb 2019 16:29

Tgt Ion: 98 Resp: 993266

Ion Ratio Lower Upper

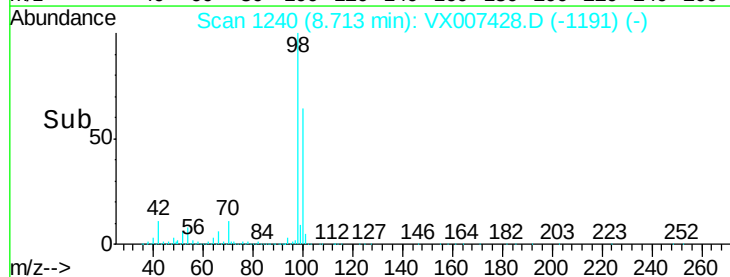
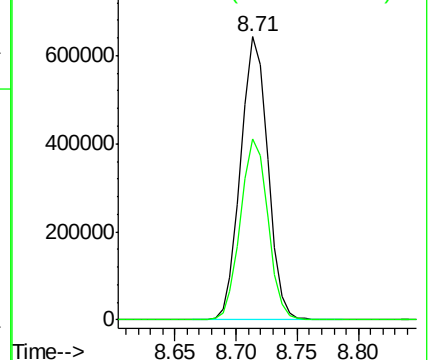
98 100

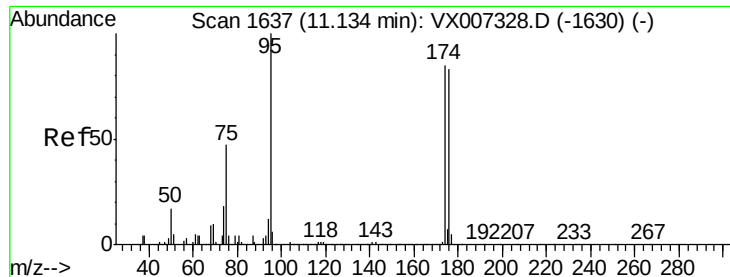
100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 50.772 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007428.D

Acq: 07 Feb 2019 16:29

Instrument :

MSVOA\_X

ClientSampleId :

RT-3451

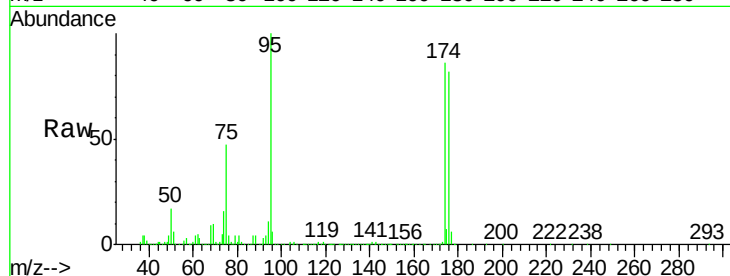
Tot Ion: 95 Resp: 360938

Ion Ratio Lower Upper

95 100

174 93.0 0.0 189.2

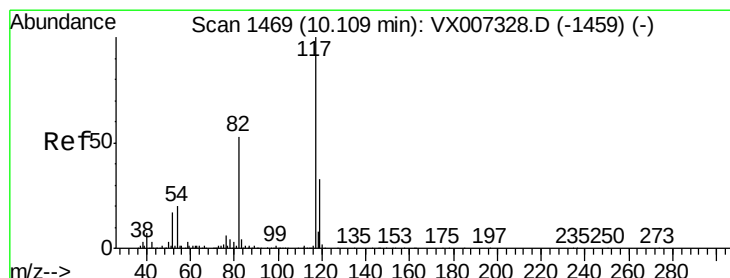
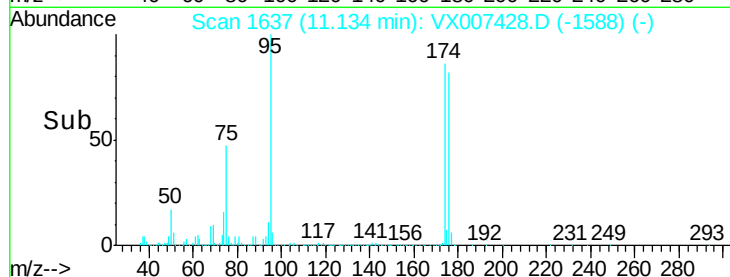
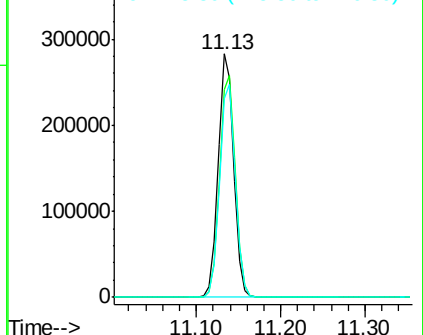
176 89.2 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX007428.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007428.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007428.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007428.D

Acq: 07 Feb 2019 16:29

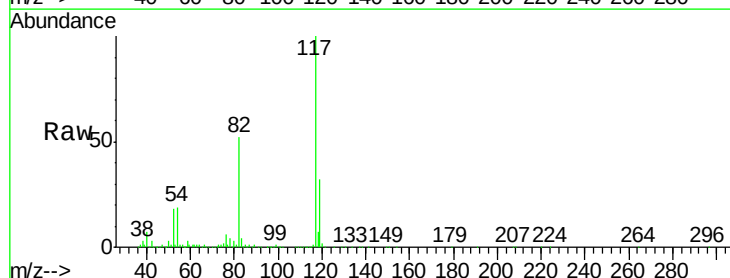
Tgt Ion: 117 Resp: 785287

Ion Ratio Lower Upper

117 100

82 52.1 42.1 63.1

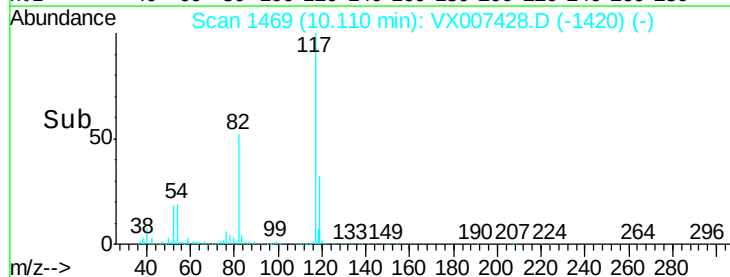
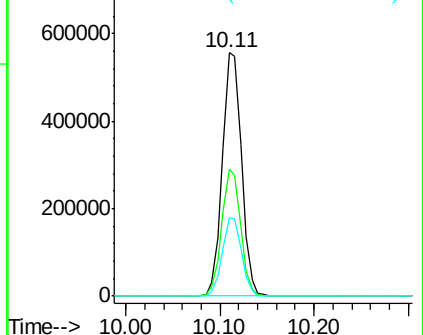
119 32.1 26.5 39.7



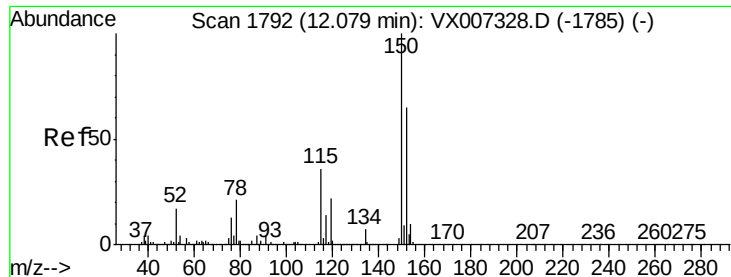
Abundance Ion 116.90 (116.60 to 117.60): VX007428.D (-1459) (-)

Ion 82.00 (81.70 to 82.70): VX007428.D (-1459) (-)

Ion 118.90 (118.60 to 119.60): VX007428.D (-1459) (-)





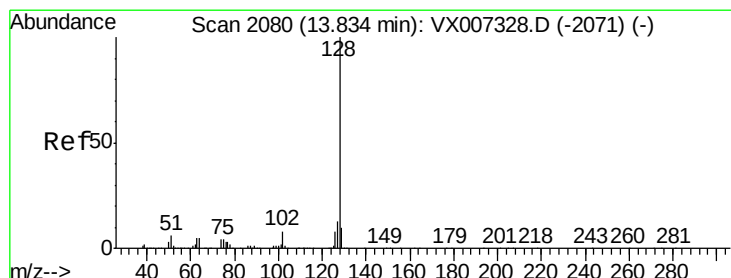
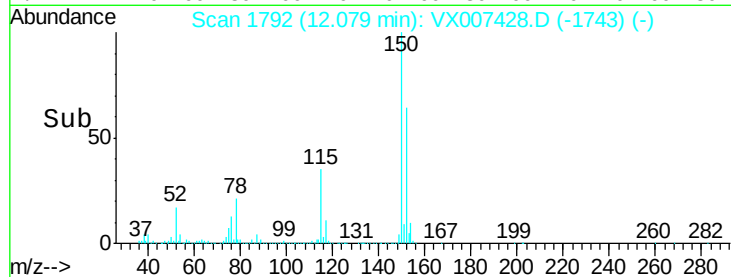
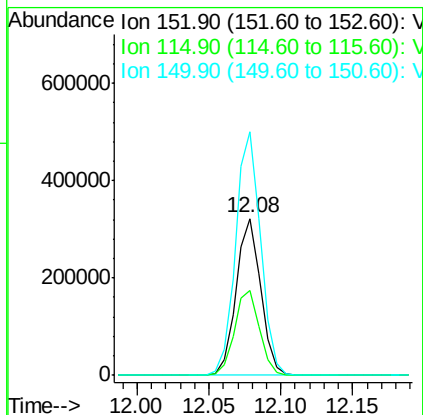
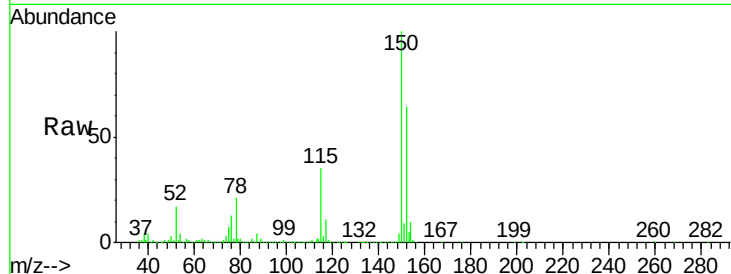


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX007428.D  
Acq: 07 Feb 2019 16:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
RT-3451

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.0  | 38.0  | 114.0 |
| 150     | 157.3 | 0.0   | 346.4 |



#95

Naphthalene  
Concen: 1.757 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX007428.D  
Acq: 07 Feb 2019 16:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 14.5  | 10.5  | 15.7  |
| 129     | 11.4  | 8.7   | 13.1  |

