

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX120318\  
 Data File : VX006263.D  
 Acq On : 03 Dec 2018 19:37  
 Operator : JC/MD  
 Sample : J5765-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 NB-07-112918

Quant Time: Dec 04 06:16:38 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112918W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 30 03:55:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 804636   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 1220086  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 1096230  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 521532   | 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   | 401779   | 48.91 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.82% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 380104   | 48.12 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.24% |          |
| 50) Toluene-d8              | 8.71  | 98   | 1416941  | 49.31 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.62% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 515038   | 47.57 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.14% |          |

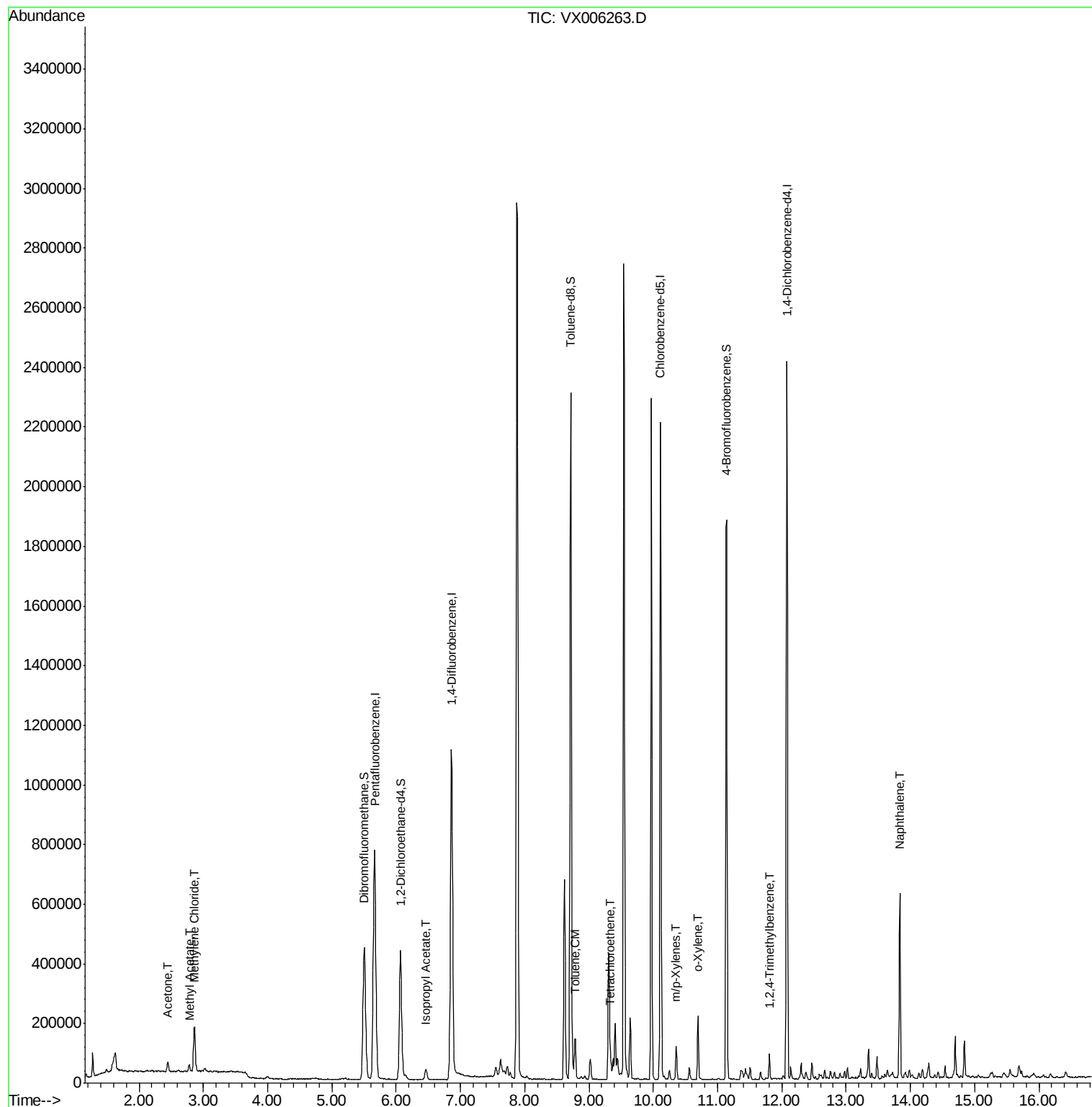
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 16) Acetone                | 2.45  | 43   | 34314    | 8.902 | ug/l  | 95     |
| 18) Methyl Acetate         | 2.78  | 43   | 29176    | 2.263 | ug/l  | 96     |
| 20) Methylene Chloride     | 2.86  | 84   | 73067    | 8.906 | ug/l  | 93     |
| 43) Isopropyl Acetate      | 6.46  | 43   | 46684    | 2.434 | ug/l  | 96     |
| 52) Toluene                | 8.79  | 92   | 48666    | 2.404 | ug/l  | 100    |
| 64) Tetrachloroethene      | 9.34  | 164  | 10755    | 1.303 | ug/l  | 96     |
| 68) m/p-Xylenes            | 10.36 | 106  | 28161    | 1.816 | ug/l  | 98     |
| 69) o-Xylene               | 10.70 | 106  | 15740    | 1.028 | ug/l  | 95     |
| 84) 1,2,4-Trimethylbenzene | 11.80 | 105  | 39128    | 1.265 | ug/l  | 98     |
| 95) Naphthalene            | 13.83 | 128  | 386838   | 9.657 | ug/l  | 100    |

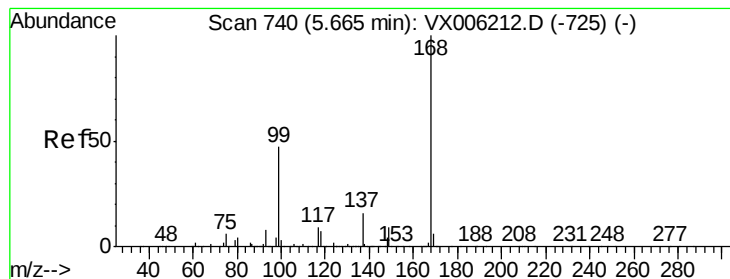
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 30 03:55:33 2018  
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: VX006263.D

Acq: 03 Dec 2018 19:37

Instrument :

MSVOA\_X

ClientSampleId :

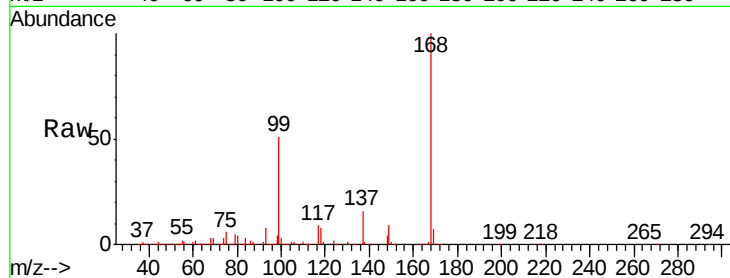
NB-07-112918

Tgt Ion:168 Resp: 804636

Ion Ratio Lower Upper

168 100

99 51.5 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

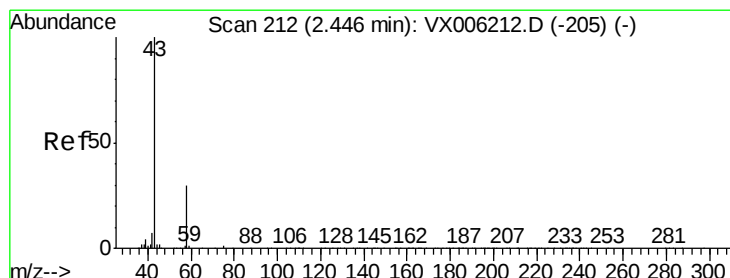
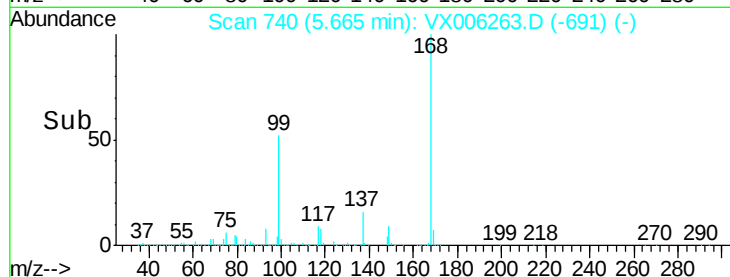
300000

200000

100000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 8.902 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006263.D

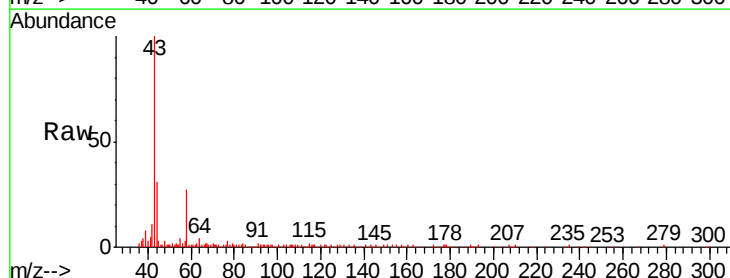
Acq: 03 Dec 2018 19:37

Tgt Ion: 43 Resp: 34314

Ion Ratio Lower Upper

43 100

58 27.3 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

25000

20000

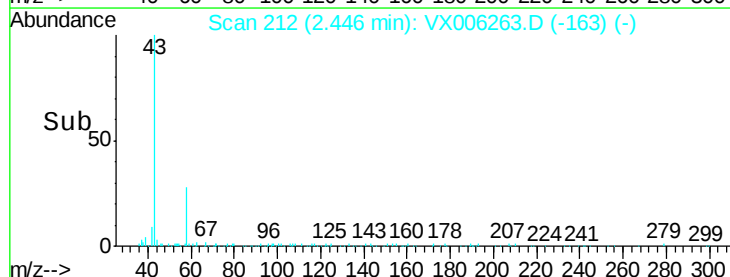
15000

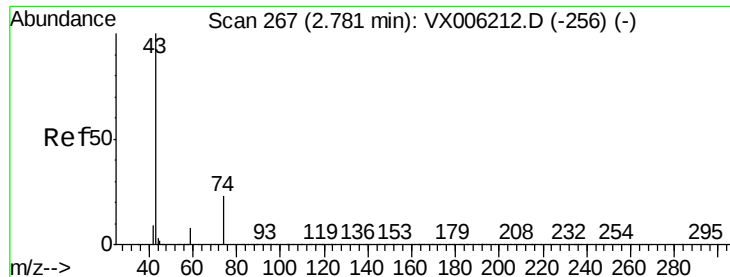
10000

5000

0

Time--> 2.40 2.45 2.50

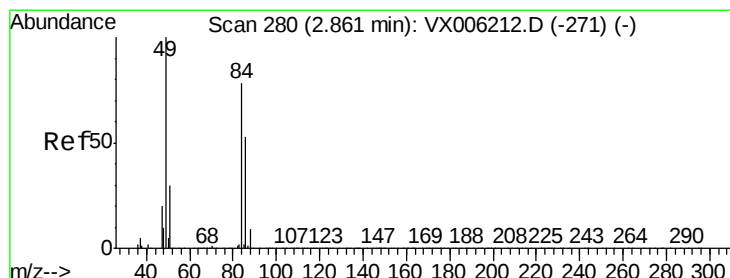
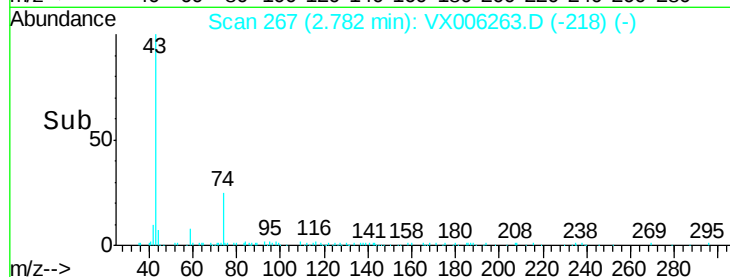
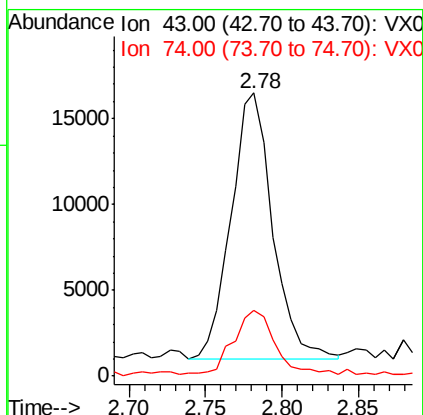
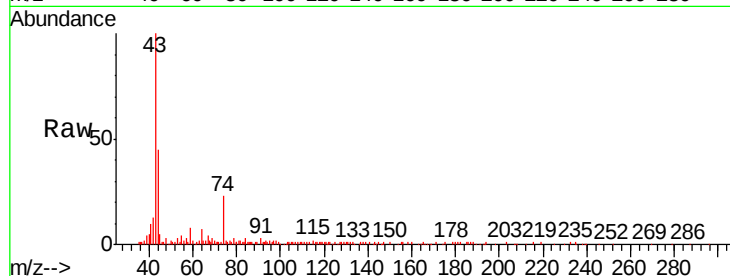




#18  
Methyl Acetate  
Concen: 2.263 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. 0.00 min  
Lab File: VX006263.D  
Acq: 03 Dec 2018 19:37

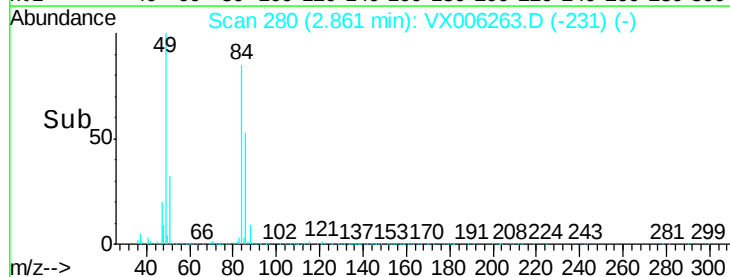
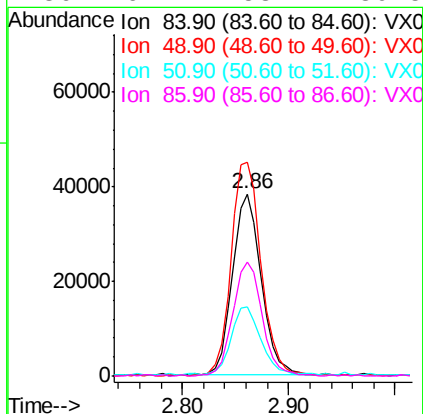
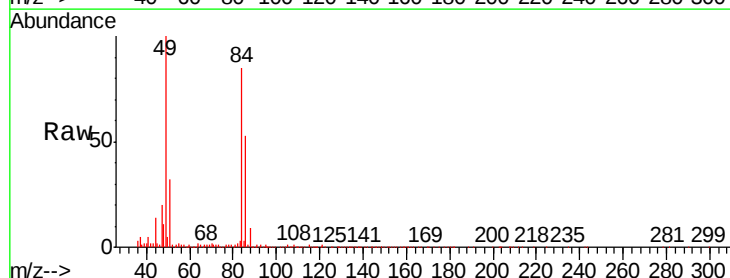
Instrument :  
MSVOA\_X  
ClientSampleId :  
NB-07-112918

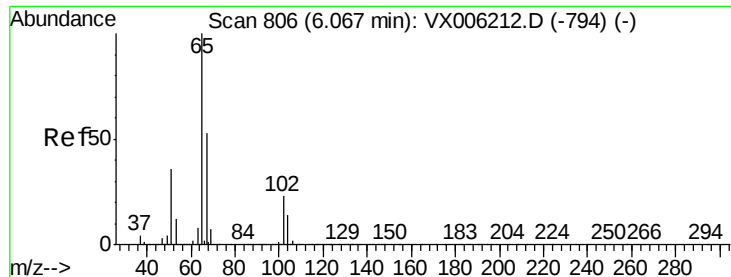
Tgt Ion: 43 Resp: 29176  
Ion Ratio Lower Upper  
43 100  
74 24.3 17.9 26.9



#20  
Methylene Chloride  
Concen: 8.906 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.00 min  
Lab File: VX006263.D  
Acq: 03 Dec 2018 19:37

Tgt Ion: 84 Resp: 73067  
Ion Ratio Lower Upper  
84 100  
49 117.4 102.2 153.4  
51 36.9 31.1 46.7  
86 62.7 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 48.914 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006263.D

Acq: 03 Dec 2018 19:37

Instrument :

MSVOA\_X

ClientSampleId :

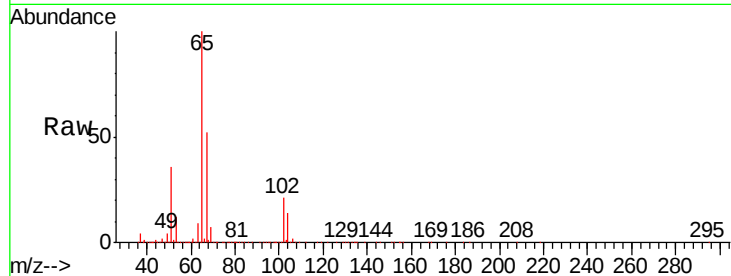
NB-07-112918

Tgt Ion: 65 Resp: 401779

Ion Ratio Lower Upper

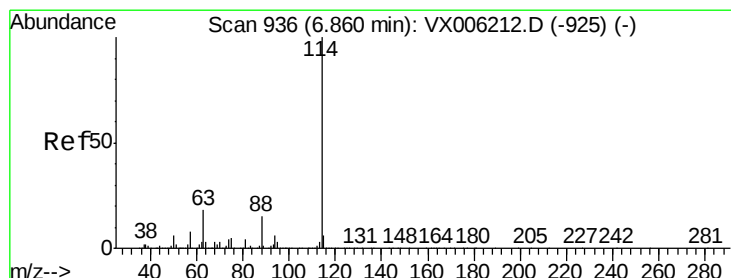
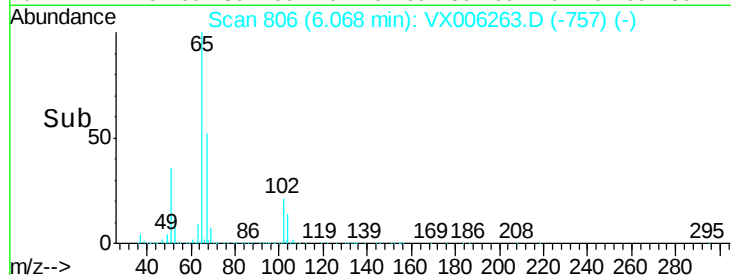
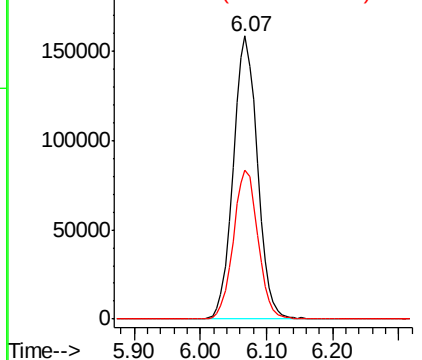
65 100

67 53.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006263.D

Acq: 03 Dec 2018 19:37

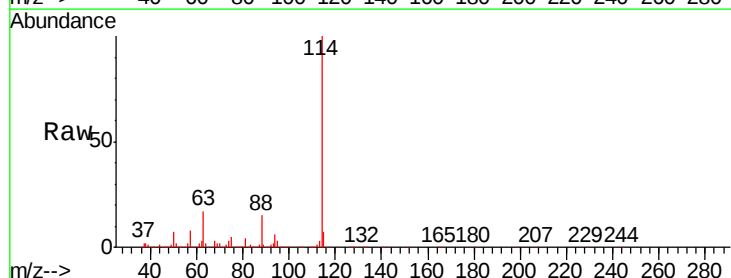
Tgt Ion: 114 Resp: 1220086

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.6

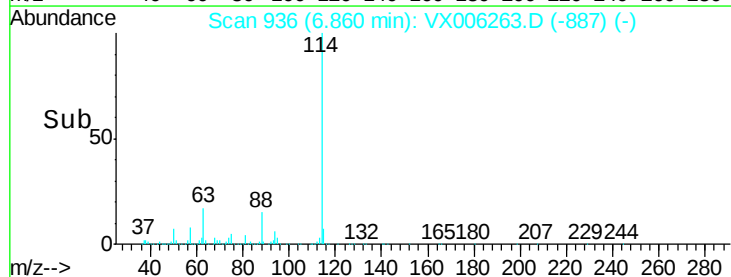
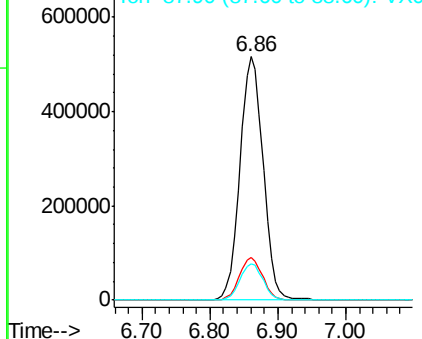
88 15.0 0.0 29.0

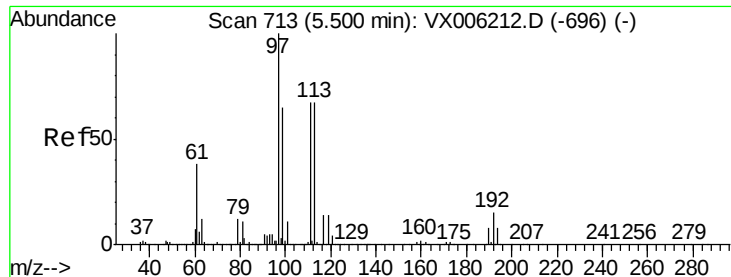


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.117 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006263.D

Acq: 03 Dec 2018 19:37

Instrument :

MSVOA\_X

ClientSampleId :

NB-07-112918

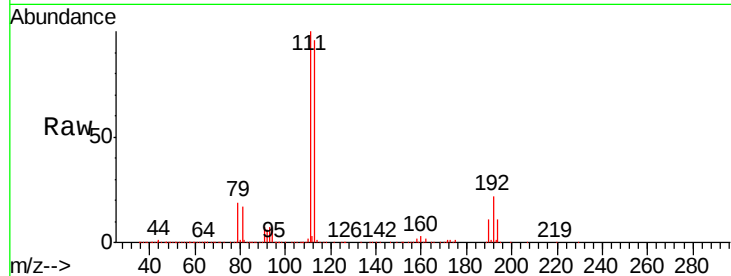
Tgt Ion:113 Resp: 380104

Ion Ratio Lower Upper

113 100

111 103.4 81.1 121.7

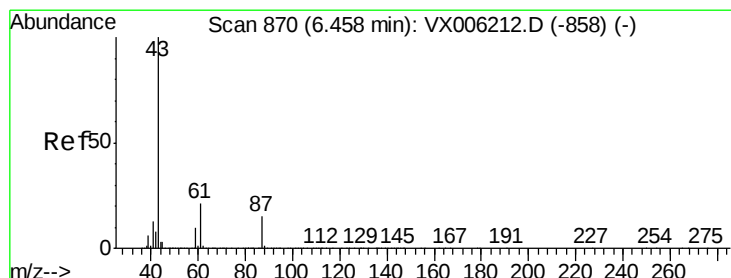
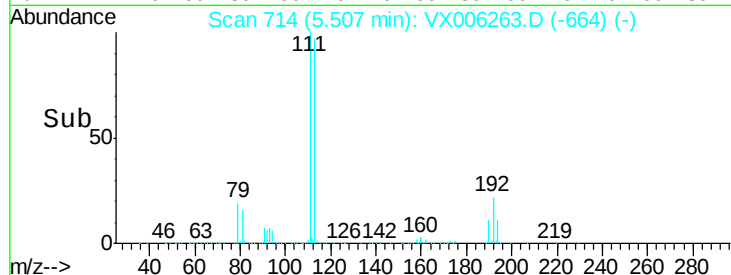
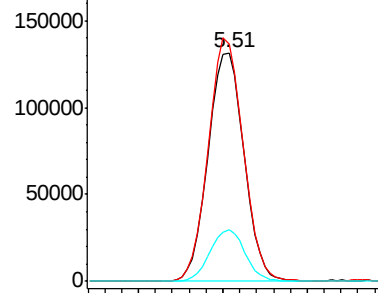
192 22.3 18.2 27.2



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: 2.434 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006263.D

Acq: 03 Dec 2018 19:37

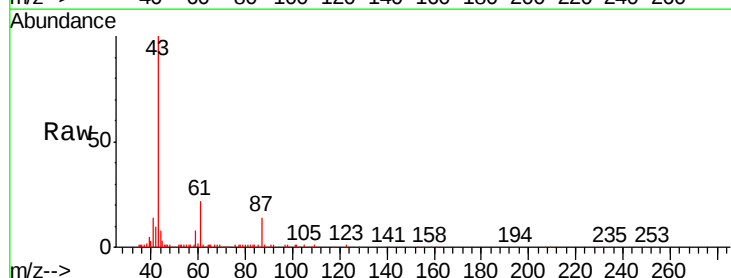
Tgt Ion: 43 Resp: 46684

Ion Ratio Lower Upper

43 100

61 23.0 16.8 25.2

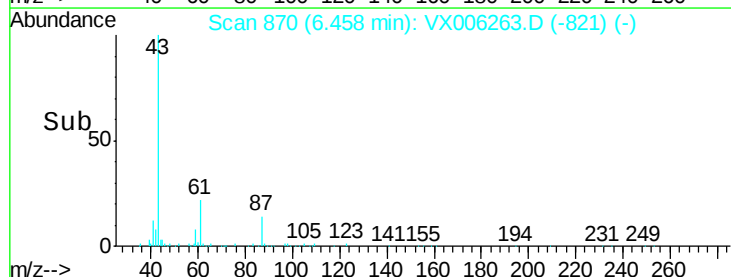
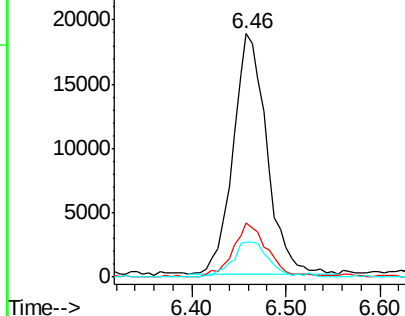
87 16.0 11.9 17.9

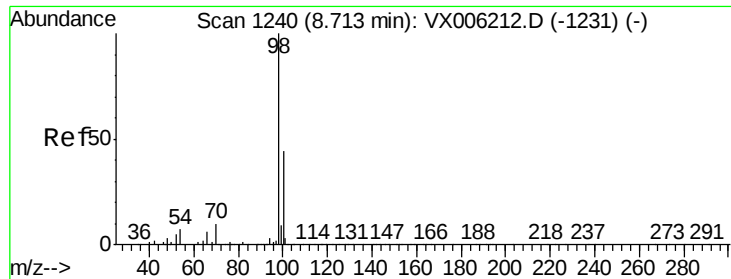


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

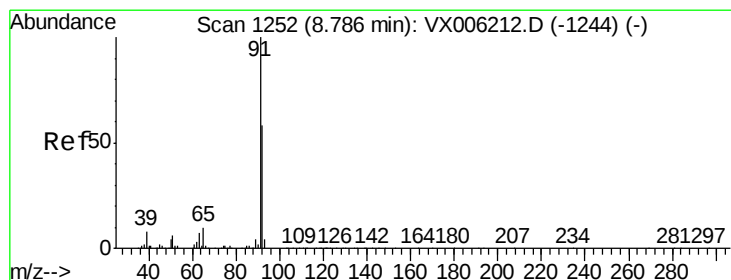
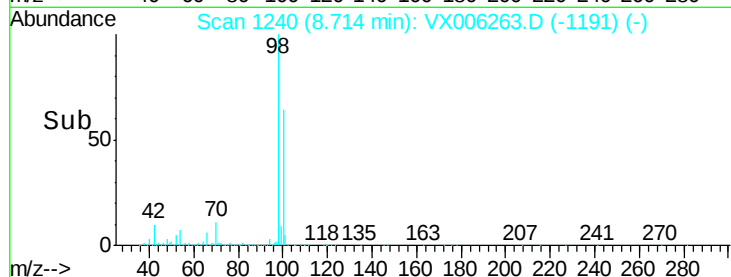
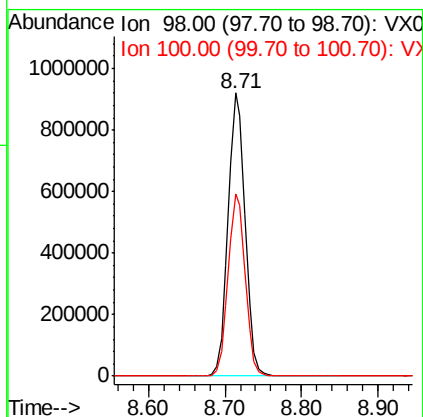
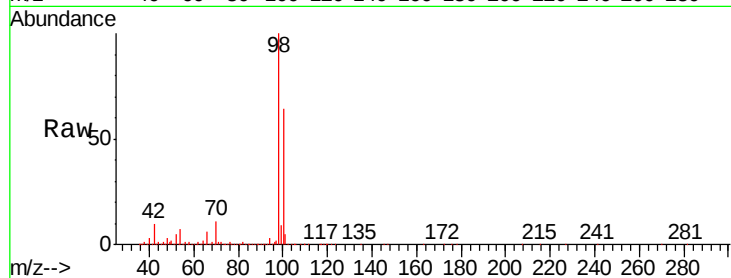




#50  
Toluene-d8  
Concen: 49.312 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX006263.D  
Acq: 03 Dec 2018 19:37

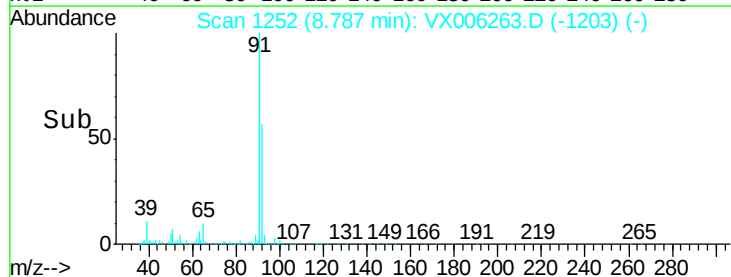
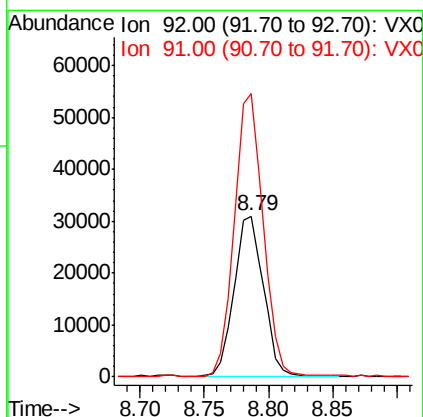
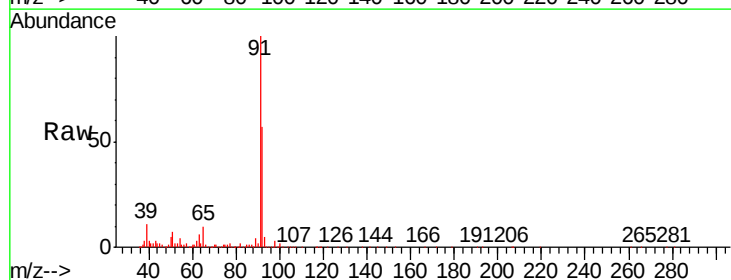
Instrument :  
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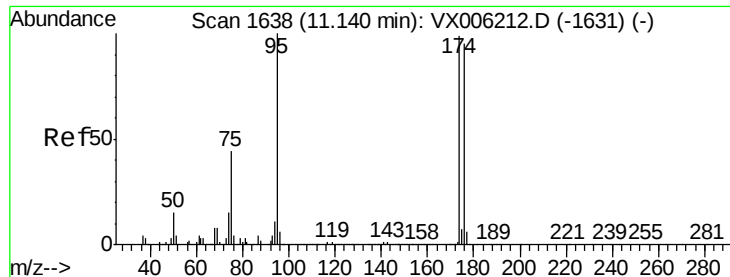
Tgt Ion: 98 Resp: 1416941  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.2 78.2



#52  
Toluene  
Concen: 2.404 ug/l  
RT: 8.79 min Scan# 1252  
Delta R.T. 0.00 min  
Lab File: VX006263.D  
Acq: 03 Dec 2018 19:37

Tgt Ion: 92 Resp: 48666  
Ion Ratio Lower Upper  
92 100  
91 173.7 139.2 208.8





#62

4-Bromofluorobenzene

Concen: 47.566 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006263.D

Acq: 03 Dec 2018 19:37

Instrument :

MSVOA\_X

ClientSampleId :

NB-07-112918

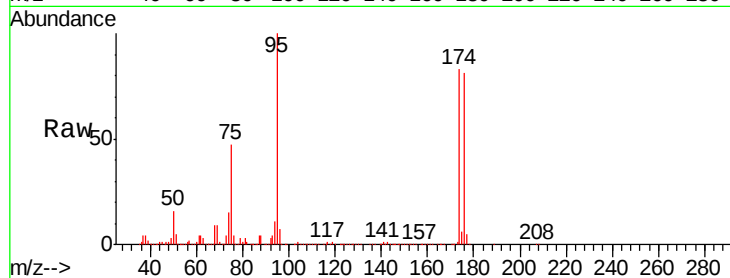
Tgt Ion: 95 Resp: 515038

Ion Ratio Lower Upper

95 100

174 89.7 0.0 187.0

176 87.3 0.0 181.8

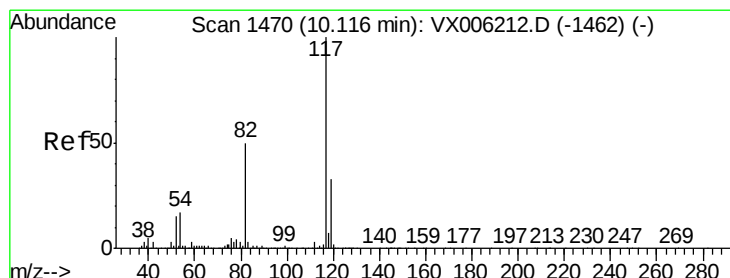
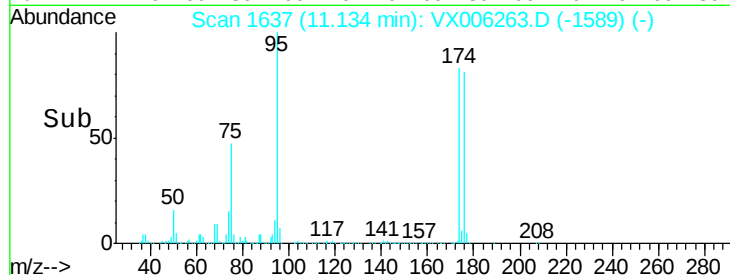


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

Time--> 11.00 11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006263.D

Acq: 03 Dec 2018 19:37

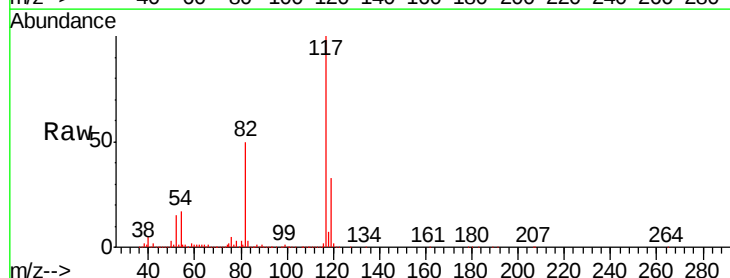
Tgt Ion: 117 Resp: 1096230

Ion Ratio Lower Upper

117 100

82 50.2 39.6 59.4

119 32.7 26.3 39.5

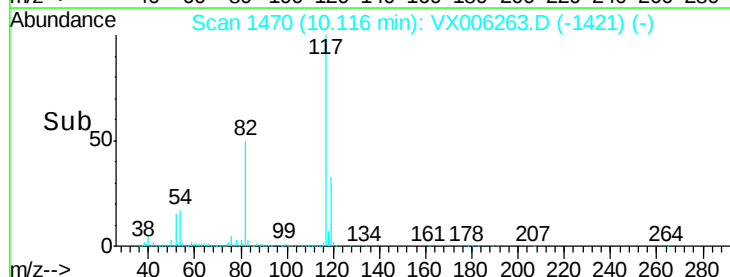


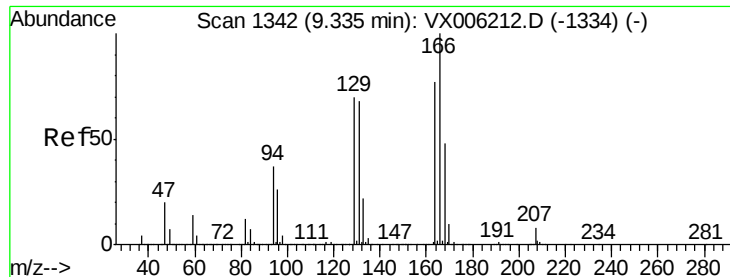
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

Time--> 10.00 10.10 10.20

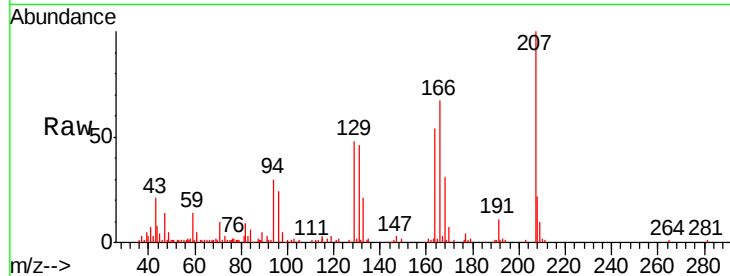




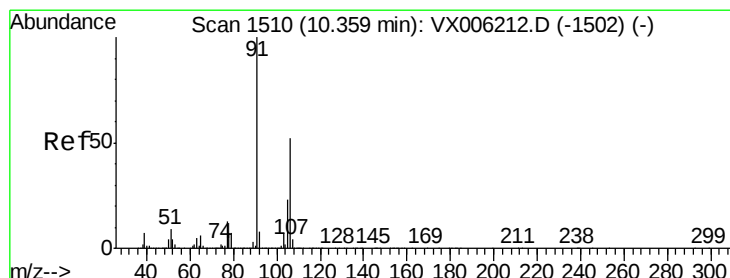
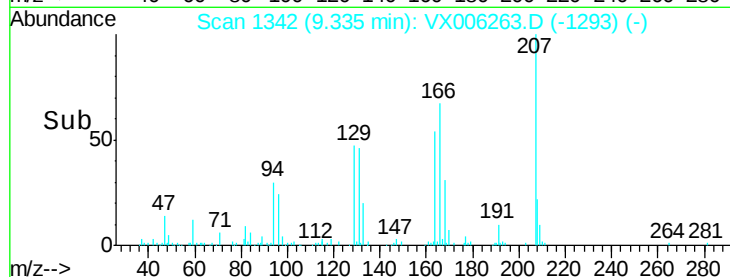
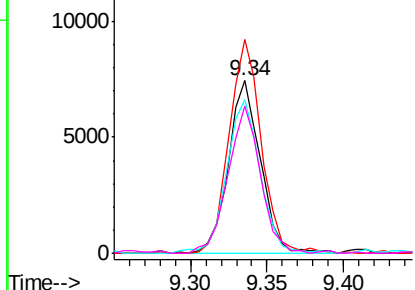
#64  
Tetrachloroethene  
Concen: 1.303 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX006263.D  
Acq: 03 Dec 2018 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
NB-07-112918

Tgt Ion:164 Resp: 10755  
Ion Ratio Lower Upper  
164 100  
166 123.7 104.2 156.2  
129 88.7 72.6 108.8  
131 85.3 70.3 105.5

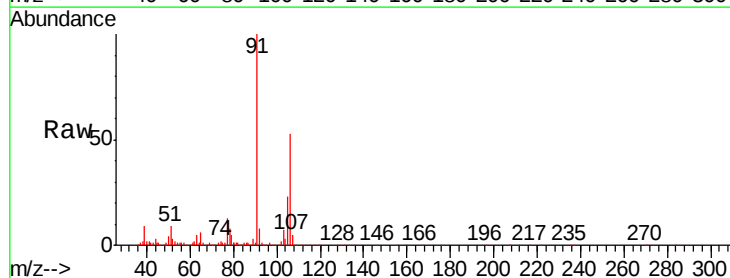


Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

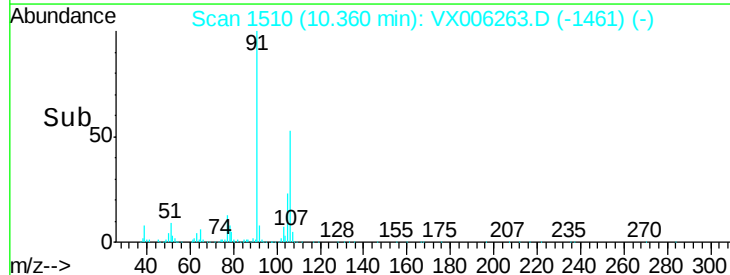
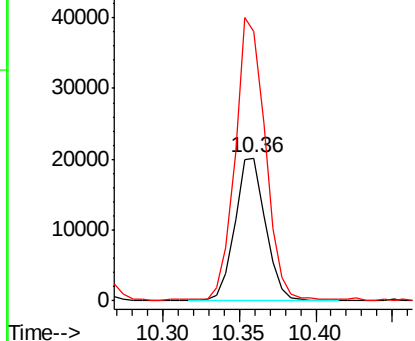


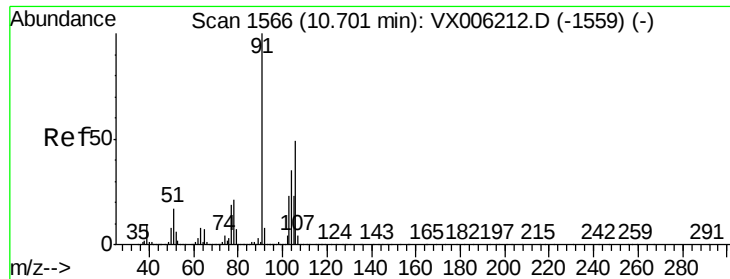
#68  
m/p-Xylenes  
Concen: 1.816 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. 0.00 min  
Lab File: VX006263.D  
Acq: 03 Dec 2018 19:37

Tgt Ion:106 Resp: 28161  
Ion Ratio Lower Upper  
106 100  
91 191.3 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

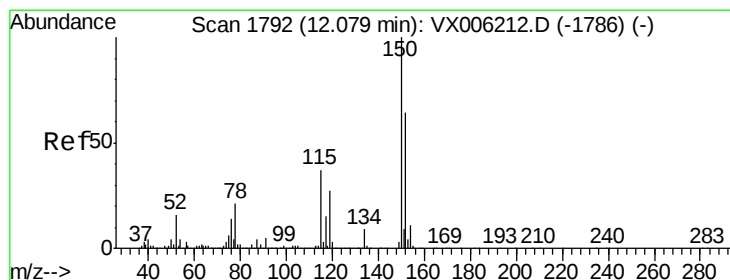
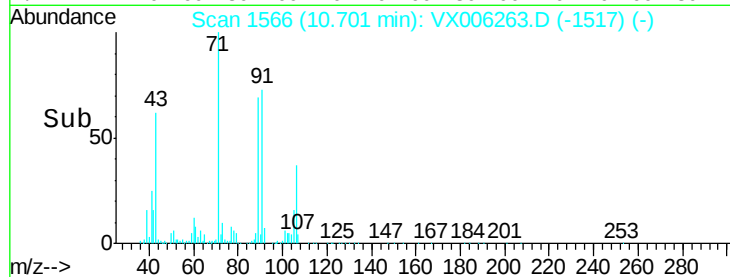
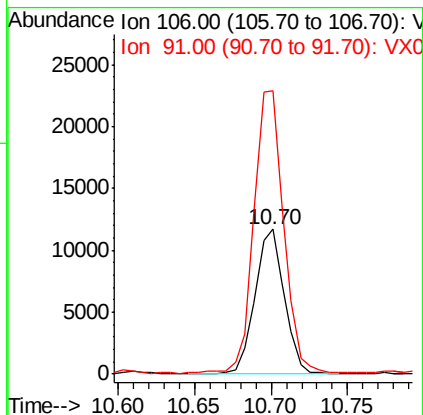
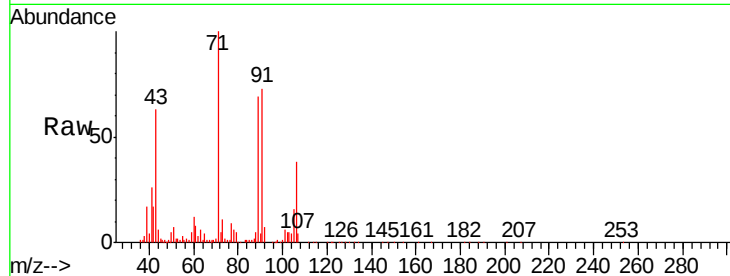




#69  
o-Xylene  
Concen: 1.028 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. 0.00 min  
Lab File: VX006263.D  
Acq: 03 Dec 2018 19:37

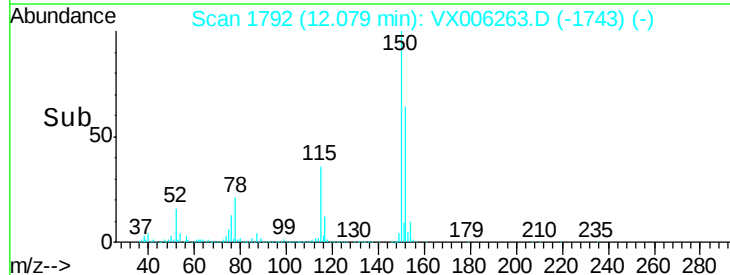
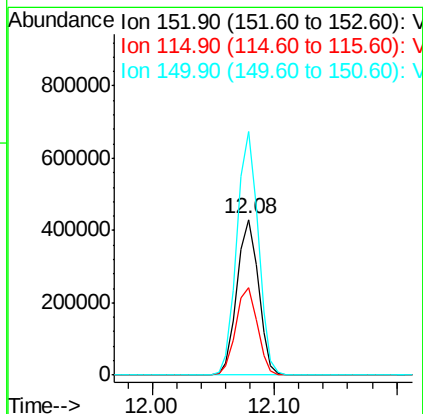
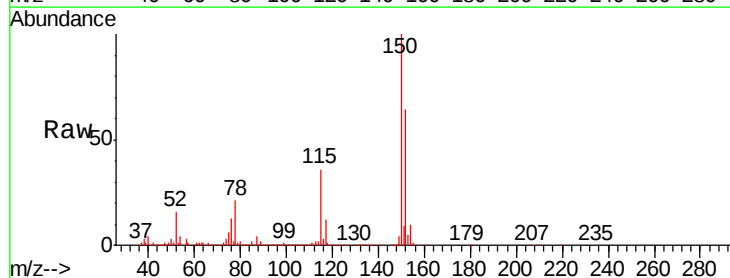
Instrument :  
MSVOA\_X  
ClientSampleId :  
NB-07-112918

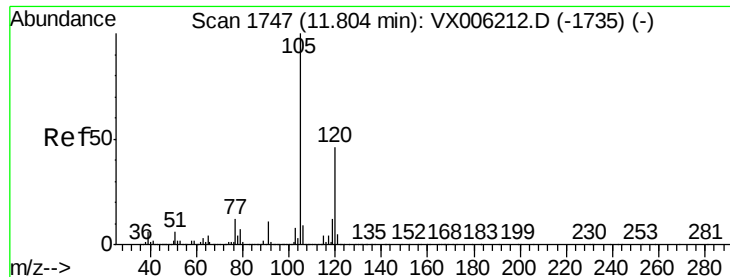
Tgt Ion:106 Resp: 15740  
Ion Ratio Lower Upper  
106 100  
91 196.4 101.8 305.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX006263.D  
Acq: 03 Dec 2018 19:37

Tgt Ion:152 Resp: 521532  
Ion Ratio Lower Upper  
152 100  
115 56.3 39.0 116.9  
150 155.7 0.0 345.8





#84

1,2,4-Trimethylbenzene

Concen: 1.265 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006263.D

Acq: 03 Dec 2018 19:37

Instrument :

MSVOA\_X

ClientSampleId :

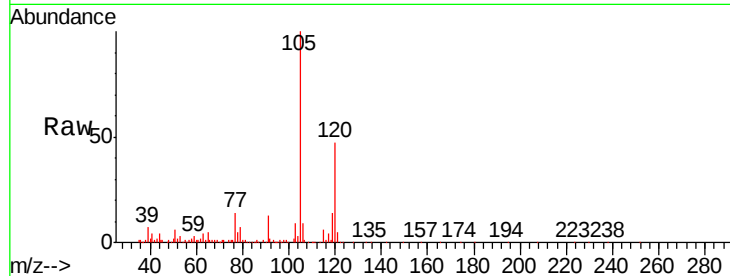
NB-07-112918

Tgt Ion:105 Resp: 39128

Ion Ratio Lower Upper

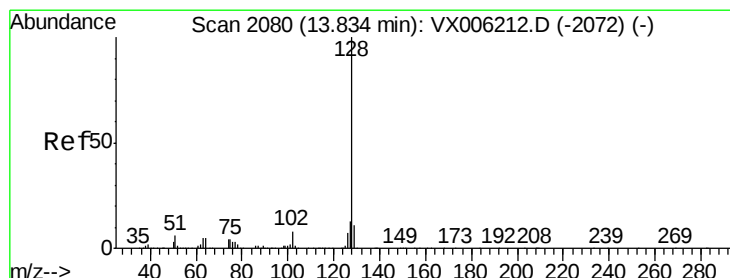
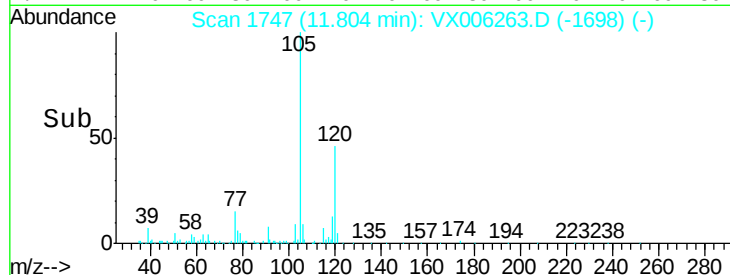
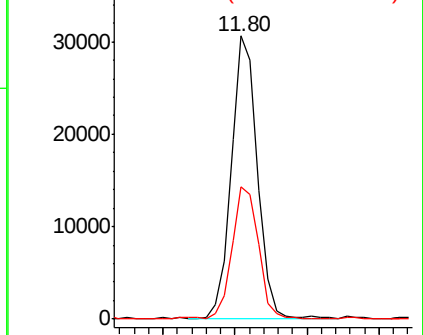
105 100

120 47.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 9.657 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006263.D

Acq: 03 Dec 2018 19:37

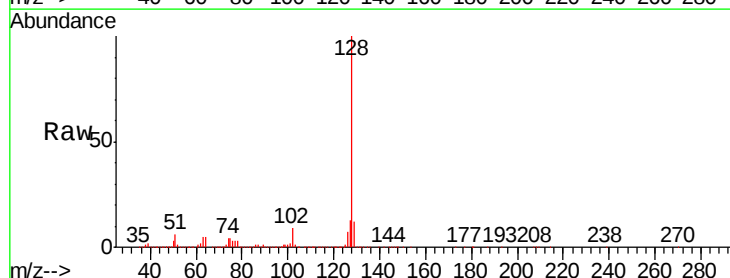
Tgt Ion:128 Resp: 386838

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 11.2 8.9 13.3



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

