

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110618\  
 Data File : VX005817.D  
 Acq On : 06 Nov 2018 18:51  
 Operator : JC/MD  
 Sample : J5765-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 NB-08-110518

Quant Time: Nov 07 09:34:17 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 31 18:23:06 2018  
 Response via : Initial Calibration

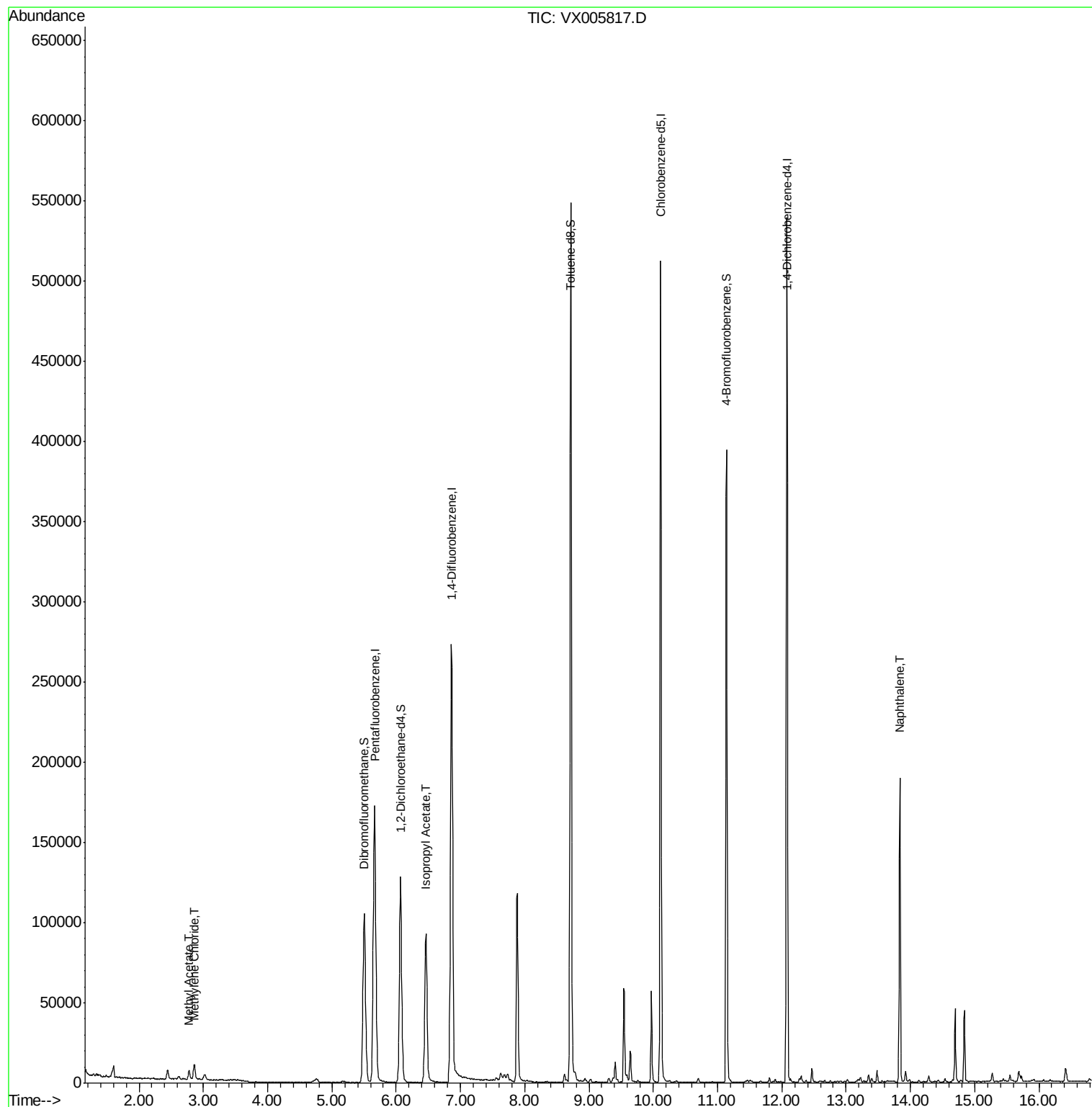
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 162204   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 274407   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 236373   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 103246   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 116925   | 49.31  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.62% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 92007    | 48.42  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.84% |          |
| 50) Toluene-d8              | 8.71  | 98   | 322693   | 48.42  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.84% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 102852   | 41.82  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 83.64% |          |
| Target Compounds            |       |      |          |        |        |          |
| 18) Methyl Acetate          | 2.78  | 43   | 7009     | 2.059  | ug/l # | 90       |
| 20) Methylene Chloride      | 2.86  | 84   | 4166     | 2.037  | ug/l   | 88       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 121981   | 22.532 | ug/l   | 97       |
| 95) Naphthalene             | 13.83 | 128  | 111498   | 15.487 | ug/l   | 99       |

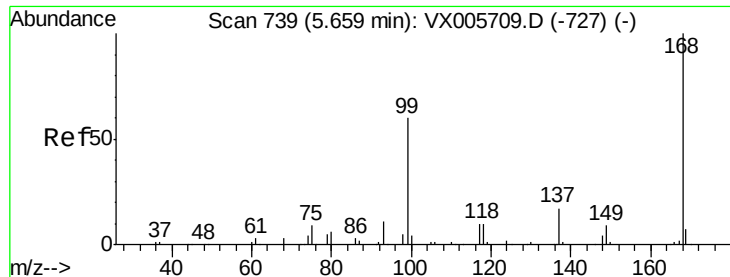
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Oct 31 18:23:06 2018  
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: VX005817.D

Acq: 06 Nov 2018 18:51

Instrument :

MSVOA\_X

ClientSampleId :

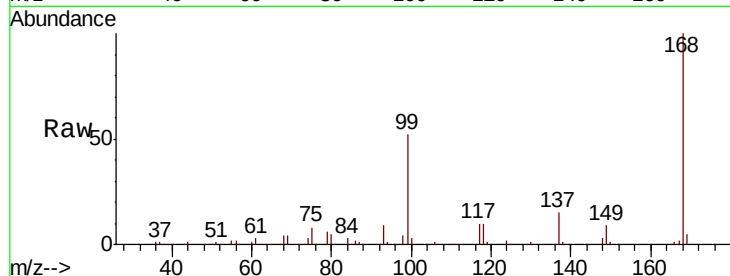
NB-08-110518

Tot Ion:168 Resp: 162204

Ion Ratio Lower Upper

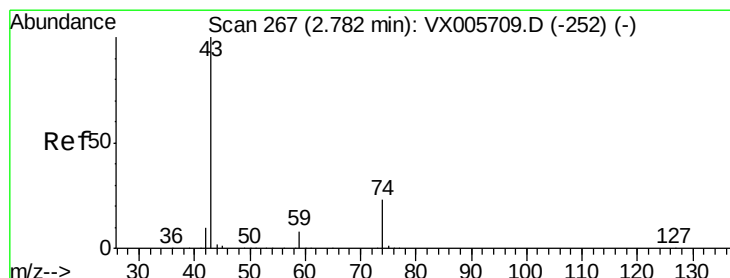
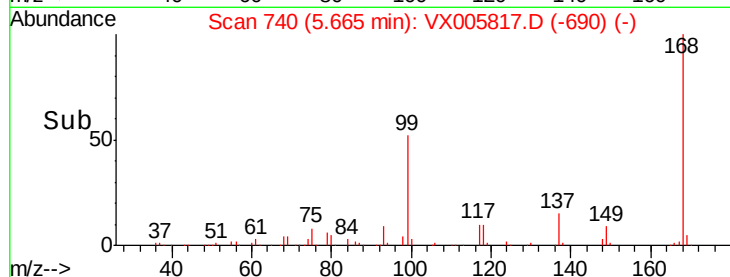
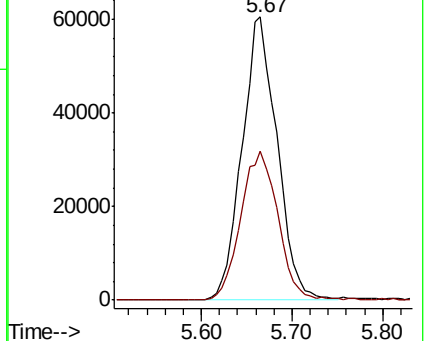
168 100

99 52.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#18

Methyl Acetate

Concen: 2.059 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005817.D

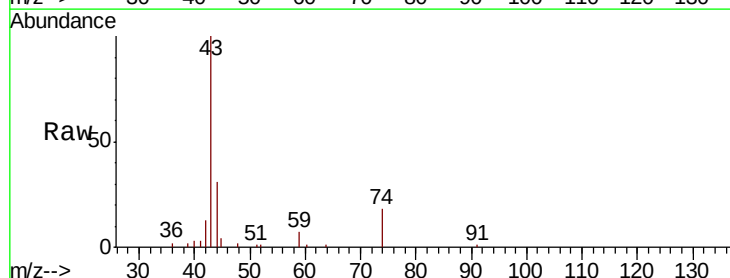
Acq: 06 Nov 2018 18:51

Tgt Ion: 43 Resp: 7009

Ion Ratio Lower Upper

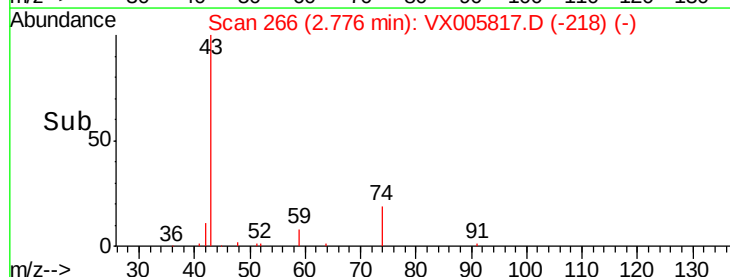
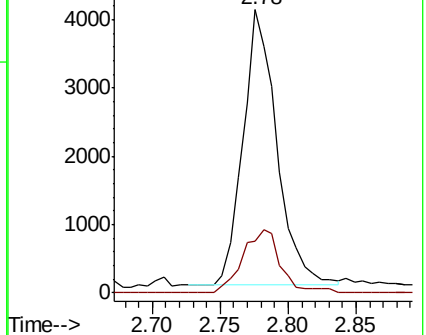
43 100

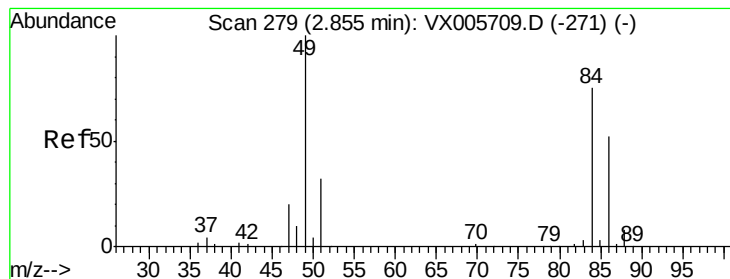
74 25.8 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methvlene Chloride

Concen: 2.037 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005817.D

Acq: 06 Nov 2018 18:51

Instrument :

MSVOA\_X

ClientSampleId :

NB-08-110518

Tot Ion: 84 Resp: 4166

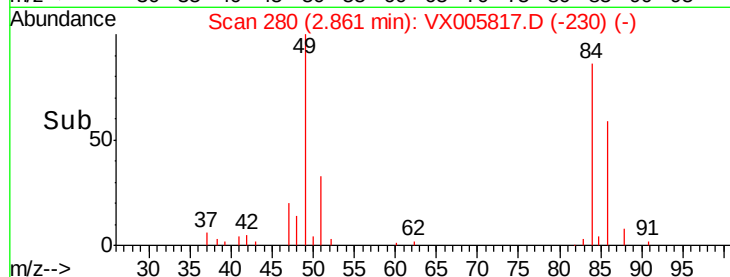
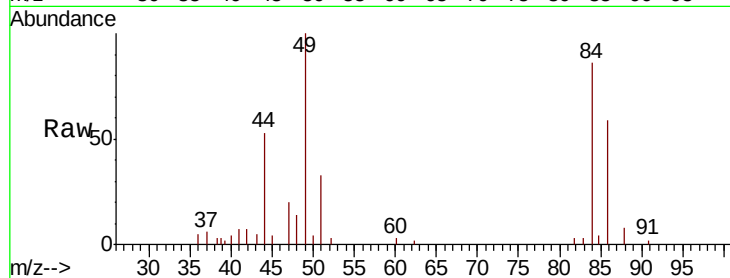
Ion Ratio Lower Upper

84 100

49 116.3 109.5 164.3

51 34.6 33.3 49.9

86 68.4 52.7 79.1

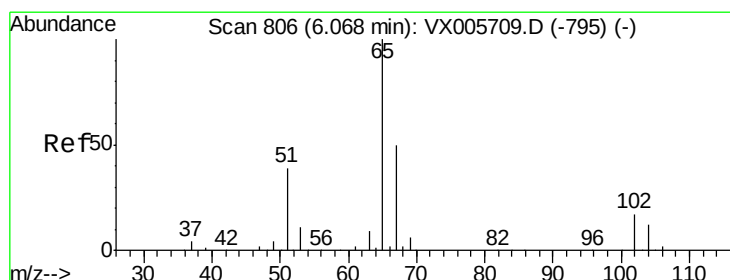
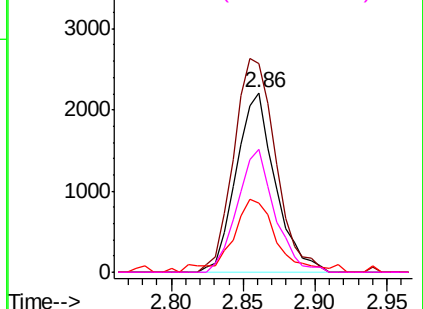


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.305 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005817.D

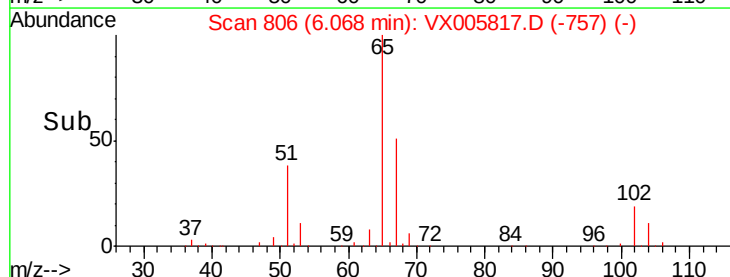
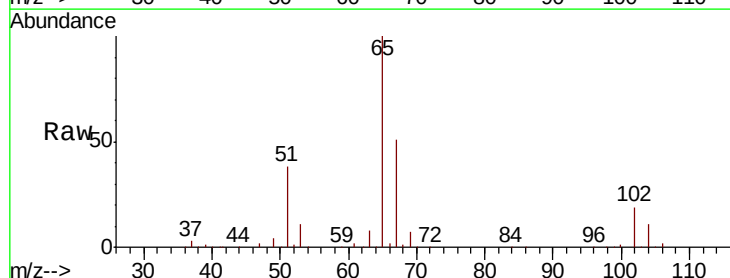
Acq: 06 Nov 2018 18:51

Tgt Ion: 65 Resp: 116925

Ion Ratio Lower Upper

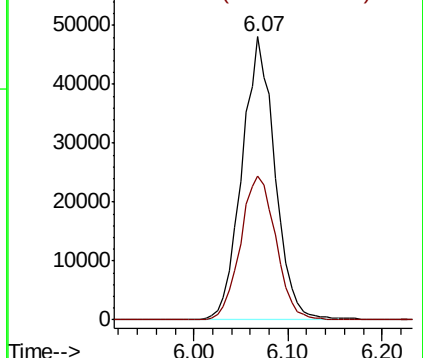
65 100

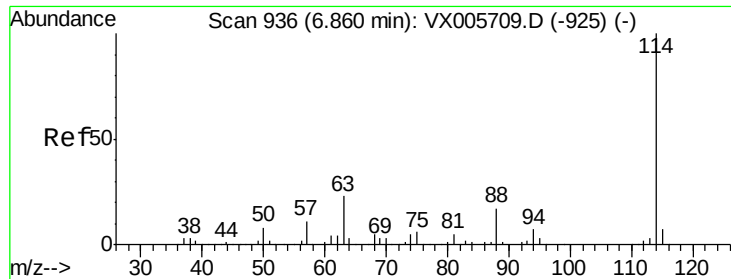
67 54.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

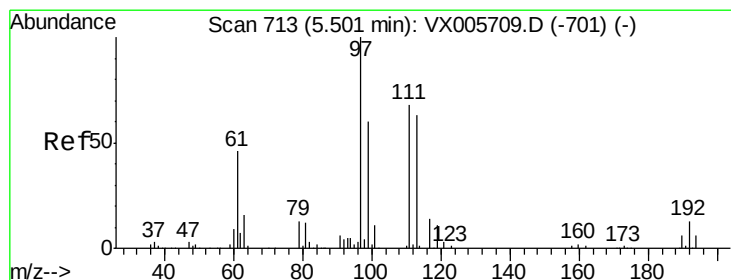
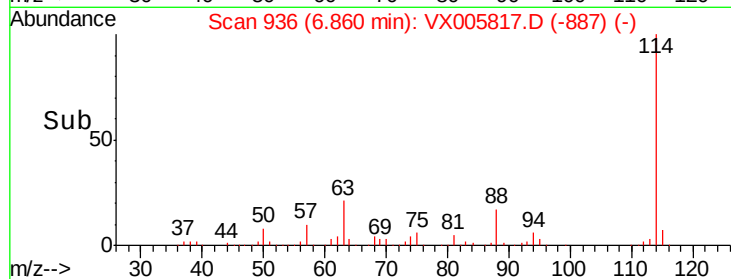
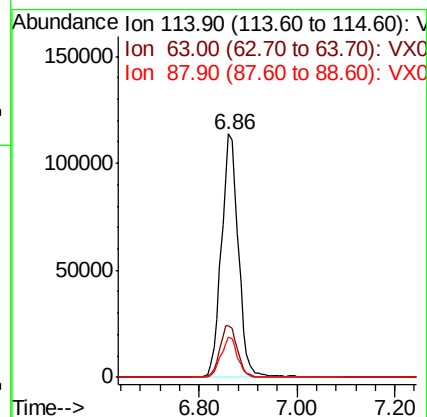
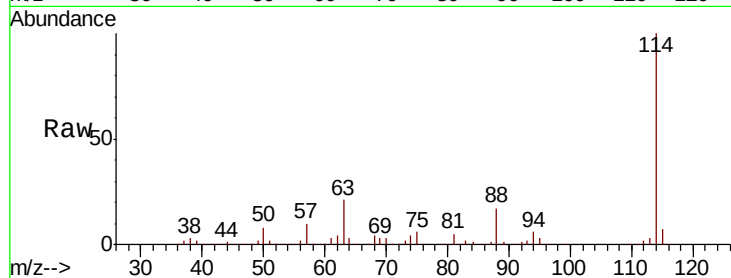




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX005817.D  
 Acq: 06 Nov 2018 18:51

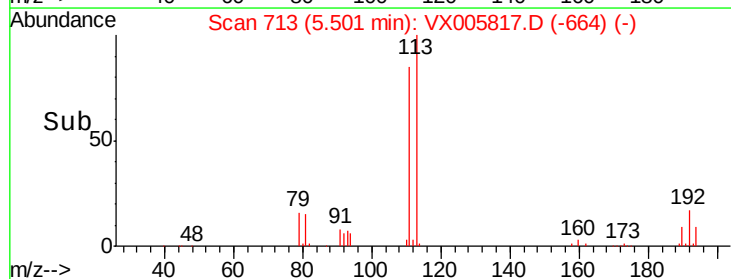
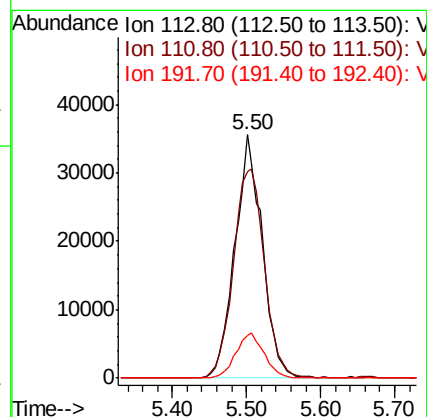
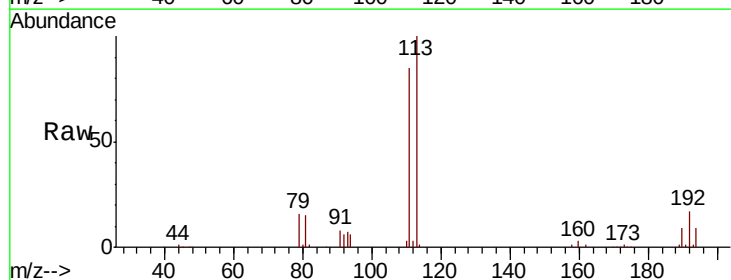
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 NB-08-110518

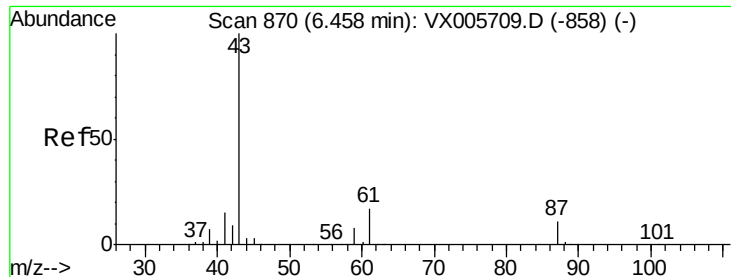
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.1  | 0.0   | 42.8  |
| 88      | 16.6  | 0.0   | 31.2  |



#35  
 Dibromofluoromethane  
 Concen: 48.424 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX005817.D  
 Acq: 06 Nov 2018 18:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 97.0  | 82.3  | 123.5 |
| 192     | 19.2  | 17.9  | 26.9  |





#43

Isopropyl Acetate

Concen: 22.532 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX005817.D

Acq: 06 Nov 2018 18:51

Instrument :

MSVOA\_X

ClientSampleId :

NB-08-110518

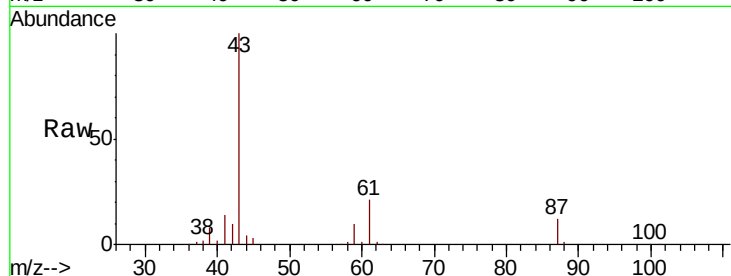
Tot Ion: 43 Resp: 121981

Ion Ratio Lower Upper

43 100

61 20.1 14.6 22.0

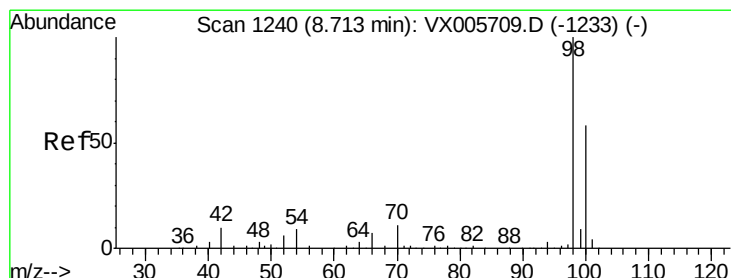
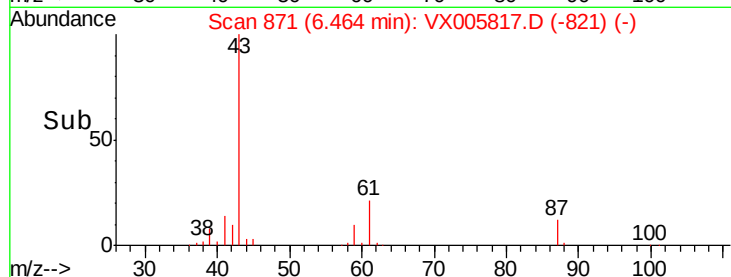
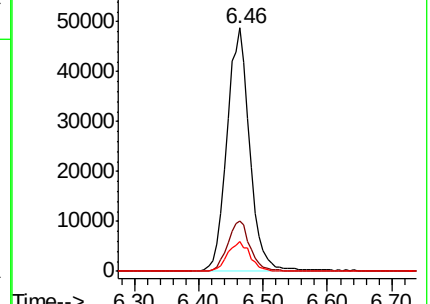
87 12.3 9.6 14.4



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: 48.424 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005817.D

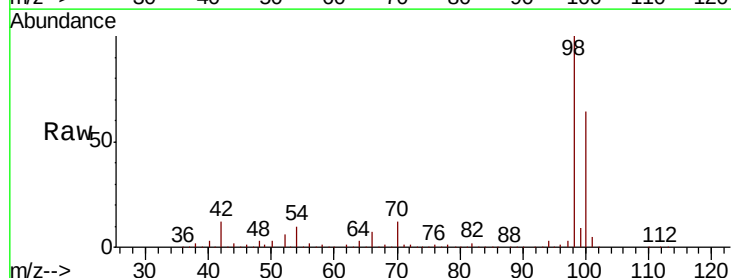
Acq: 06 Nov 2018 18:51

Tgt Ion: 98 Resp: 322693

Ion Ratio Lower Upper

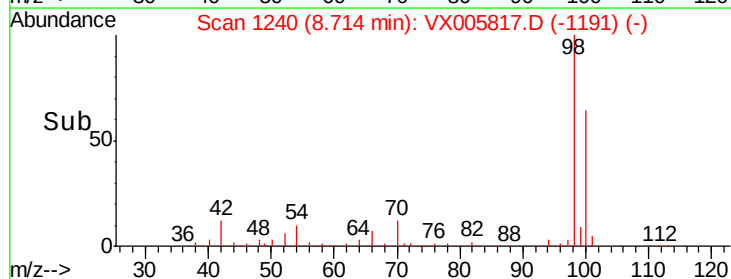
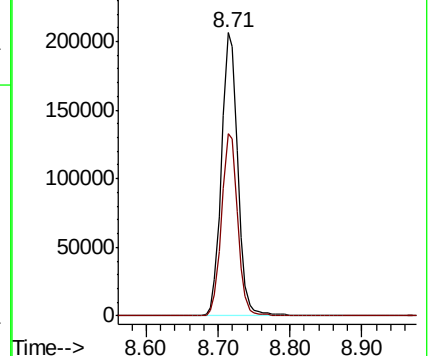
98 100

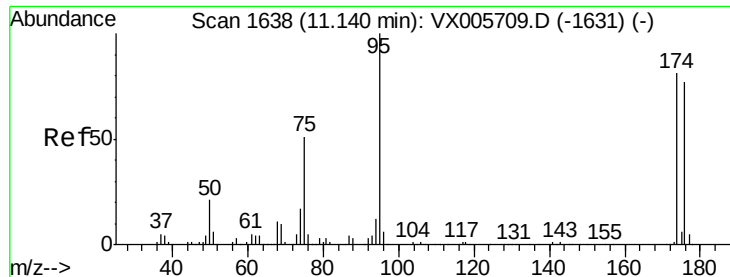
100 63.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 41.819 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005817.D

Acq: 06 Nov 2018 18:51

Instrument :

MSVOA\_X

ClientSampleId :

NB-08-110518

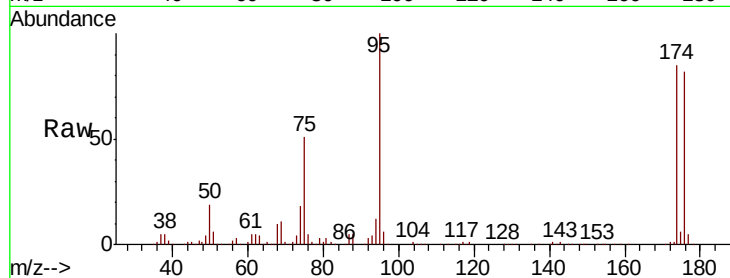
Tot Ion: 95 Resp: 102852

Ion Ratio Lower Upper

95 100

174 80.3 0.0 184.4

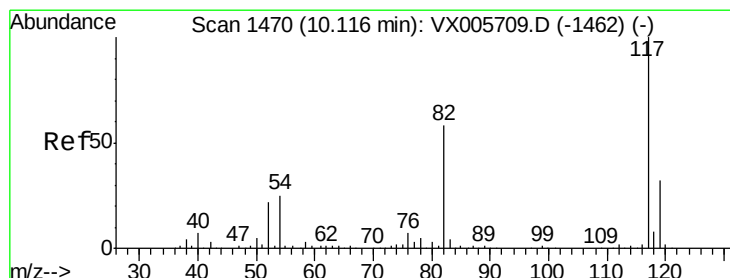
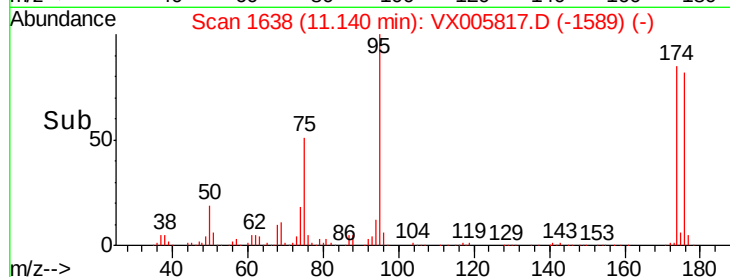
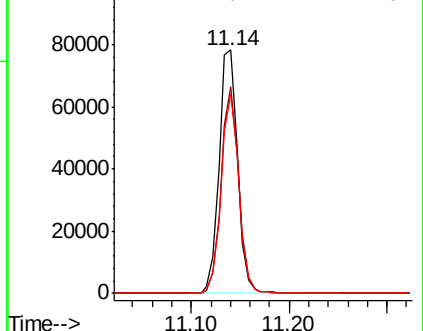
176 77.7 0.0 177.4



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005817.D

Acq: 06 Nov 2018 18:51

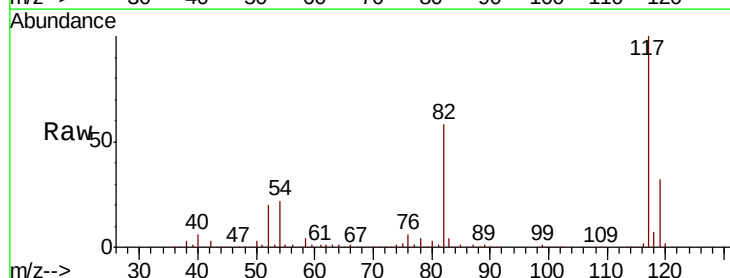
Tgt Ion: 117 Resp: 236373

Ion Ratio Lower Upper

117 100

82 57.9 44.1 66.1

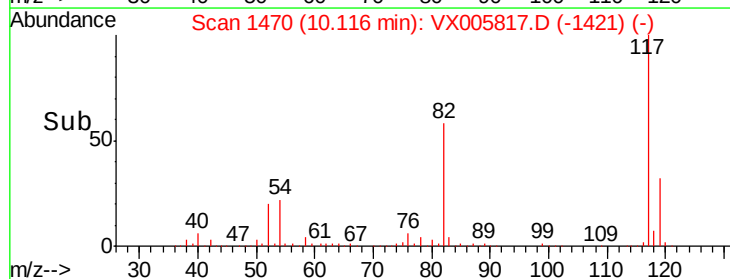
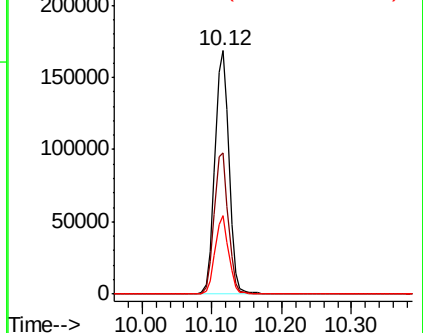
119 32.2 26.2 39.2

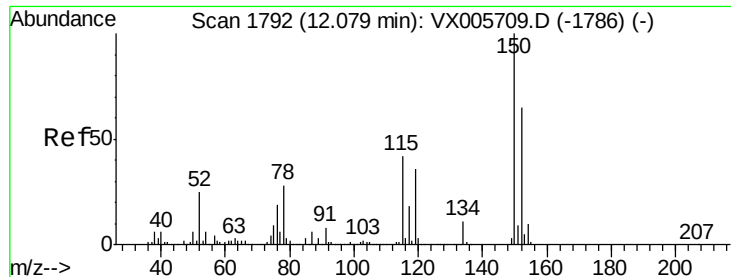


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005817.D

Acq: 06 Nov 2018 18:51

Instrument :

MSVOA\_X

ClientSampleId :

NB-08-110518

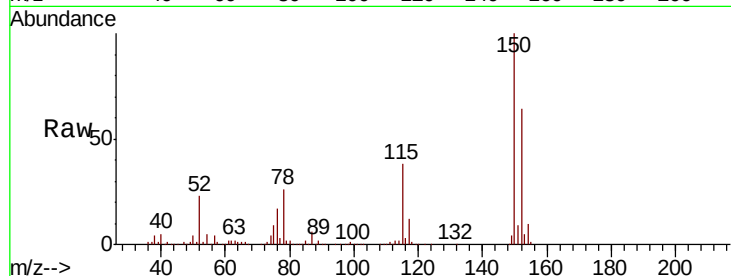
Tot Ion:152 Resp: 103246

Ion Ratio Lower Upper

152 100

115 59.2 39.4 118.1

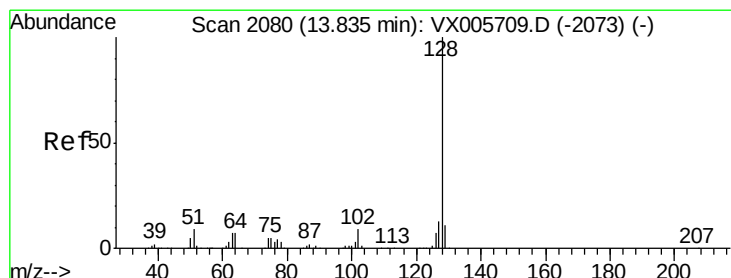
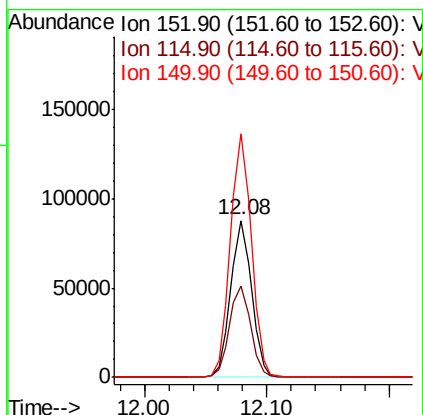
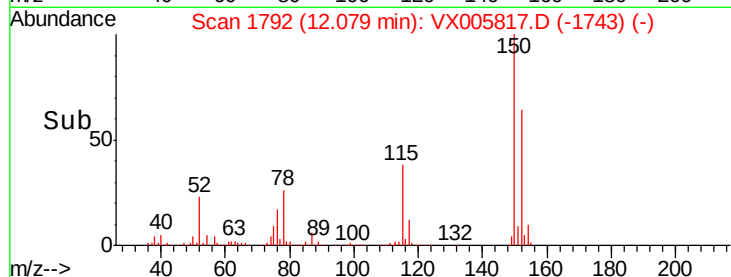
150 156.7 0.0 346.4



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: 15.487 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005817.D

Acq: 06 Nov 2018 18:51

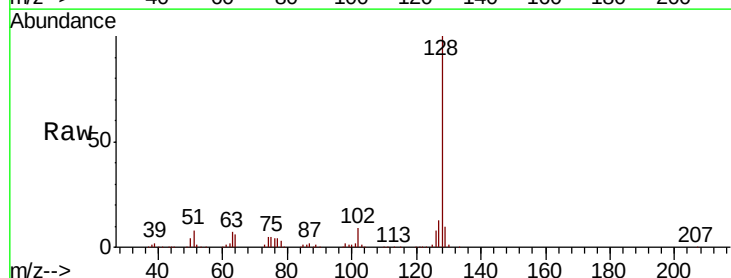
Tgt Ion:128 Resp: 111498

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 10.6 8.7 13.1



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

