

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032118\  
 Data File : VX000386.D  
 Acq On : 21 Mar 2018 15:37  
 Operator : JC/MD  
 Sample : J1997-32 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SLAB-CONCRETE-B

Quant Time: Mar 22 06:56:16 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X032018W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 21 04:52:42 2018  
 Response via : Initial Calibration

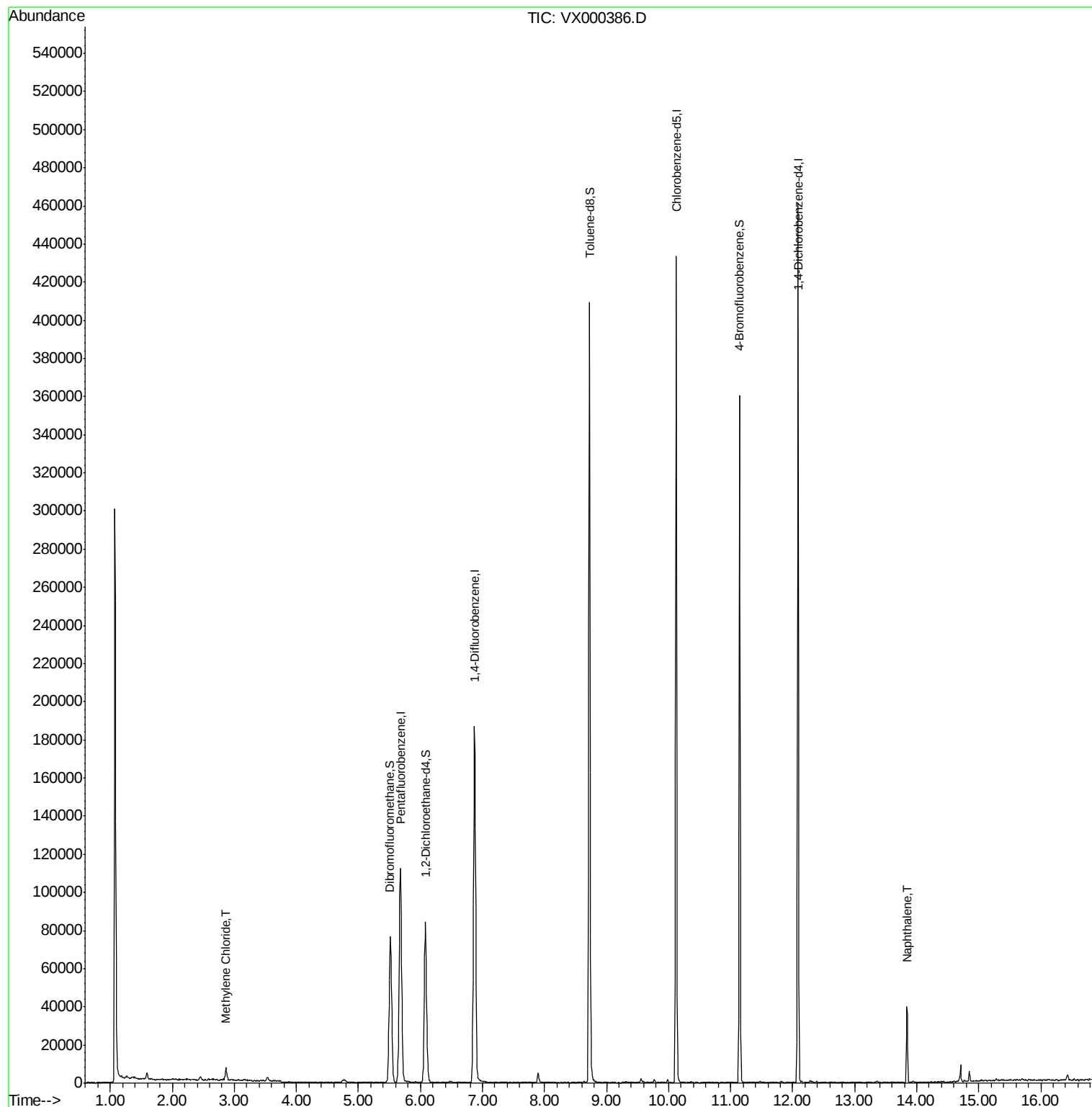
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.68  | 168  | 108319   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 189007   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 178157   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 86557    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.08  | 65   | 76745    | 54.28 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.56% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 58454    | 49.08 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.16%  |          |
| 50) Toluene-d8              | 8.73  | 98   | 236303   | 47.91 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.82%  |          |
| 62) 4-Bromofluorobenzene    | 11.15 | 95   | 78674    | 39.26 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 78.52%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 20) Methylene Chloride      | 2.87  | 84   | 2510     | 1.85  | ug/l    | 90       |
| 95) Naphthalene             | 13.84 | 128  | 22994    | 3.25  | ug/l    | 98       |

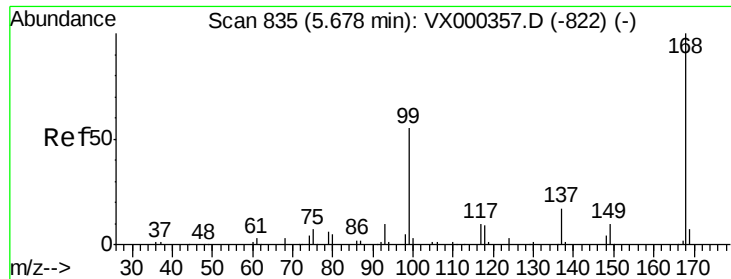
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 21 04:52:42 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000386.D

Acq: 21 Mar 2018 15:37

Instrument :

MSVOA\_X

ClientSampleId :

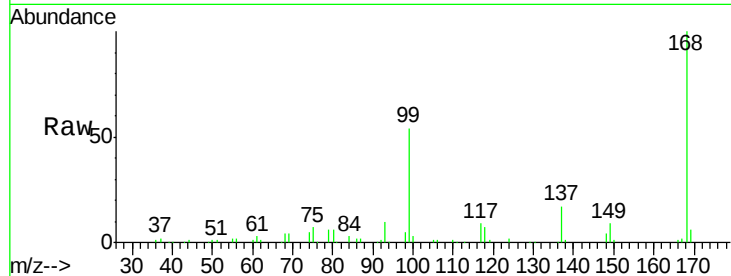
SLAB-CONCRETE-B

Tot Ion:168 Resp: 108319

Ion Ratio Lower Upper

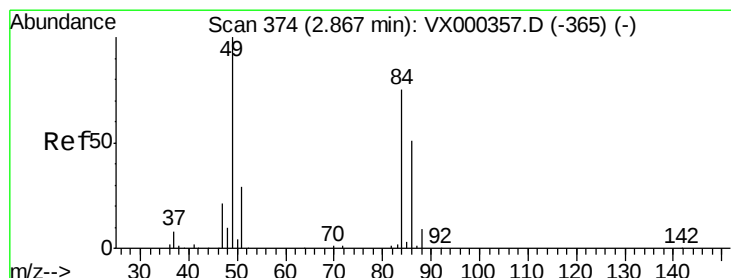
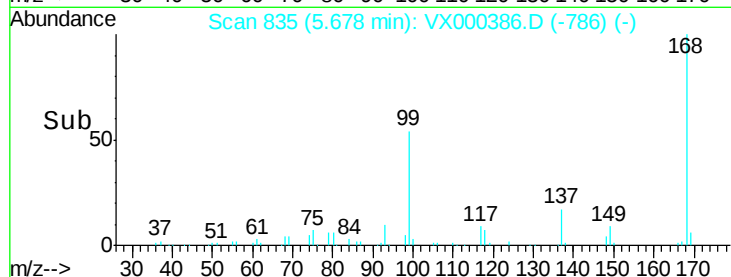
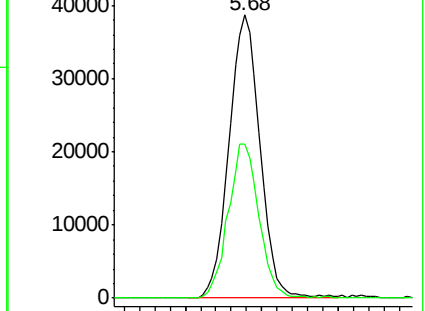
168 100

99 54.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#20

Methylene Chloride

Concen: 1.85 ug/l

RT: 2.87 min Scan# 374

Delta R.T. -0.00 min

Lab File: VX000386.D

Acq: 21 Mar 2018 15:37

Tgt Ion: 84 Resp: 2510

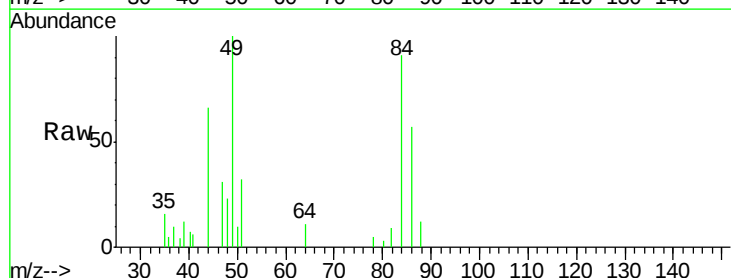
Ion Ratio Lower Upper

84 100

49 110.2 100.6 151.0

51 35.4 31.6 47.4

86 62.8 52.6 78.8

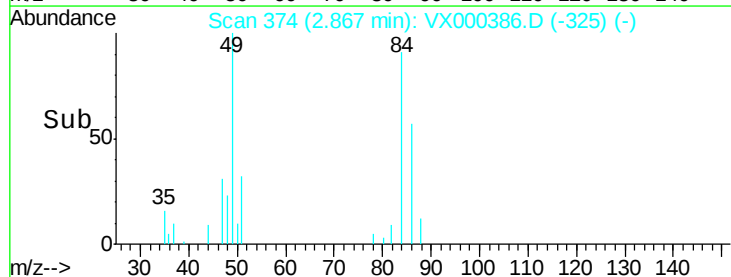
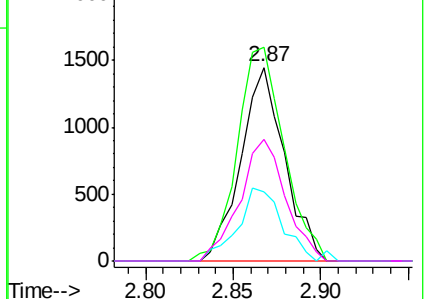


Abundance Ion 83.90 (83.60 to 84.60): VX0

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

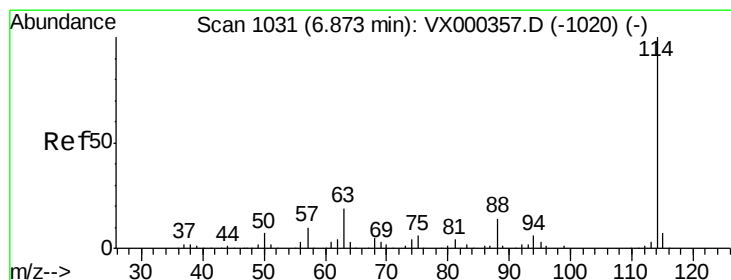
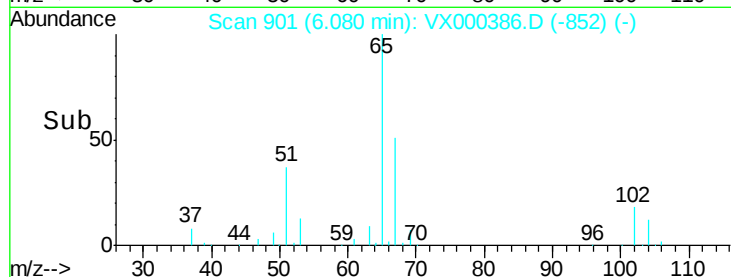
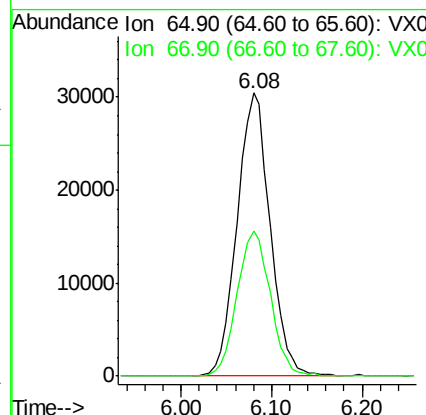
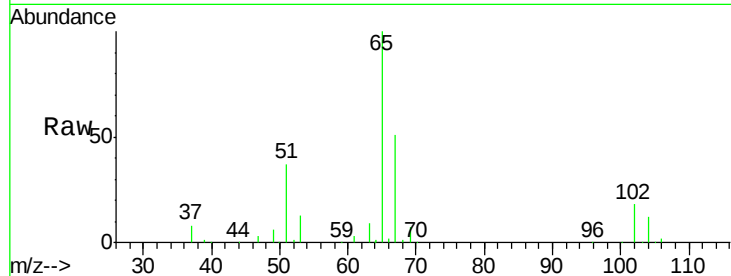




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.28 ug/l  
 RT: 6.08 min Scan# 901  
 Delta R.T. 0.00 min  
 Lab File: VX000386.D  
 Acq: 21 Mar 2018 15:37

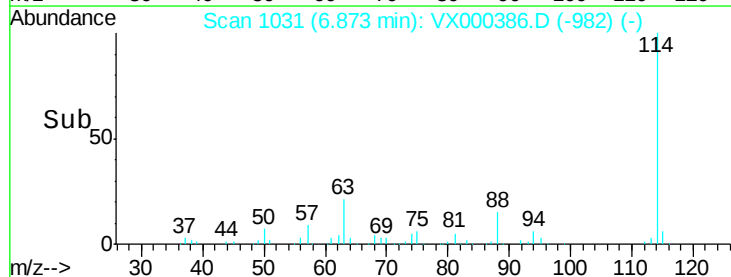
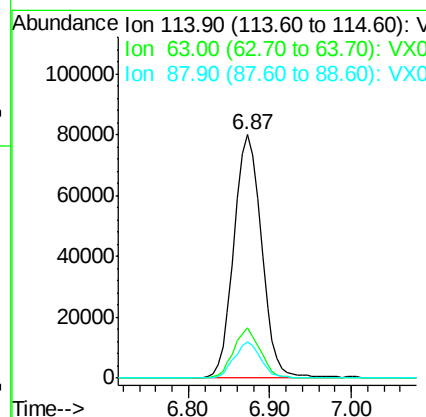
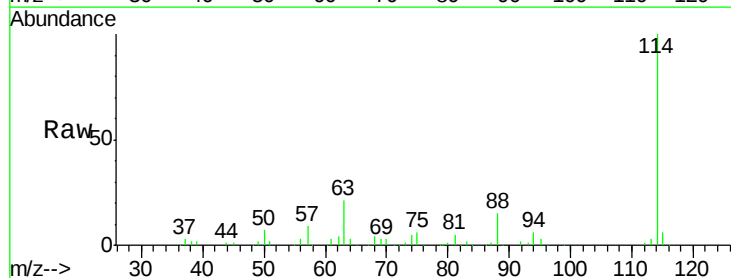
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SLAB-CONCRETE-B

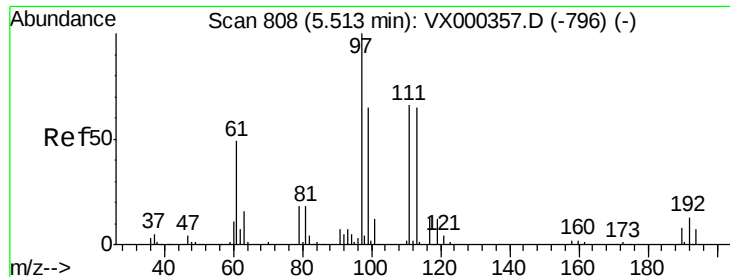
Tot Ion: 65 Resp: 76745  
 Ion Ratio Lower Upper  
 65 100  
 67 51.9 0.0 103.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1031  
 Delta R.T. -0.00 min  
 Lab File: VX000386.D  
 Acq: 21 Mar 2018 15:37

Tgt Ion: 114 Resp: 189007  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 38.4  
 88 14.6 0.0 27.0





#35

Dibromofluoromethane

Concen: 49.08 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000386.D

Acq: 21 Mar 2018 15:37

Instrument :

MSVOA\_X

ClientSampleId :

SLAB-CONCRETE-B

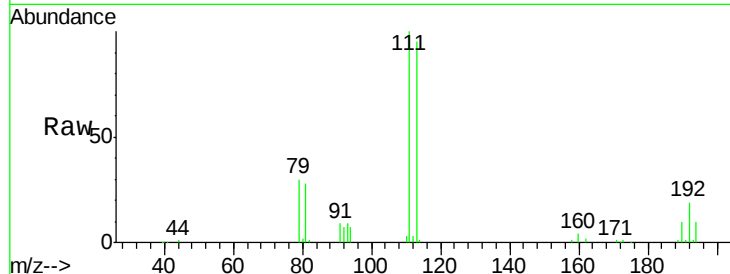
Tot Ion:113 Resp: 58454

Ion Ratio Lower Upper

113 100

111 104.3 82.4 123.6

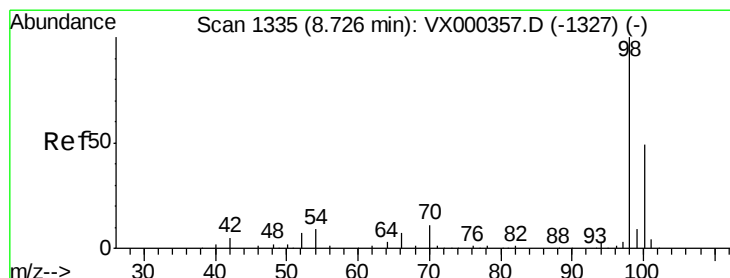
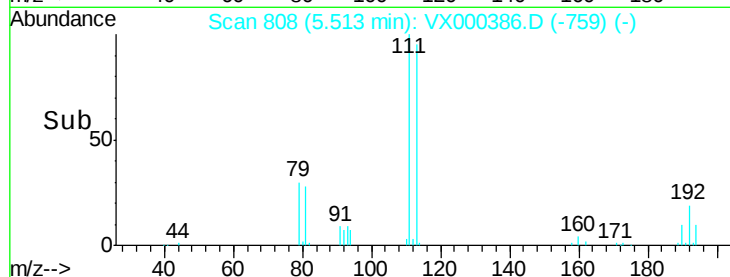
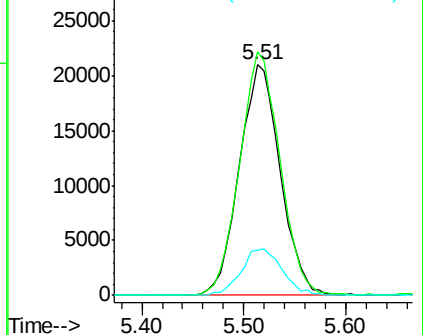
192 20.3 15.8 23.6



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: 47.91 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000386.D

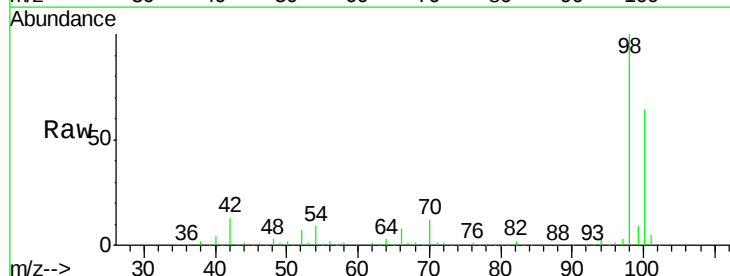
Acq: 21 Mar 2018 15:37

Tgt Ion: 98 Resp: 236303

Ion Ratio Lower Upper

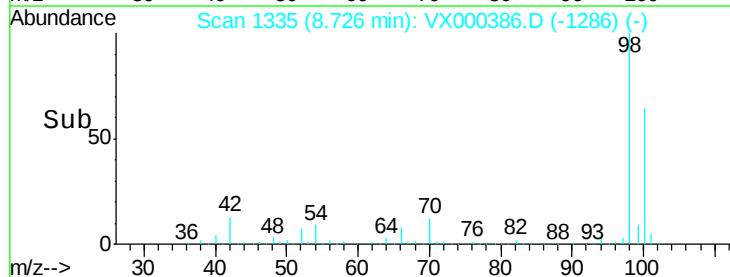
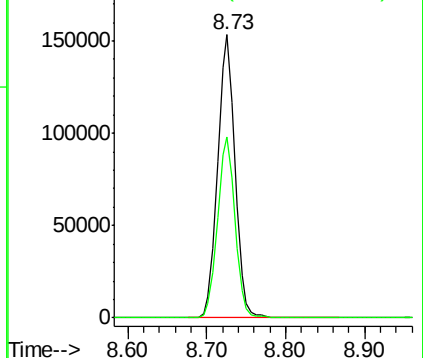
98 100

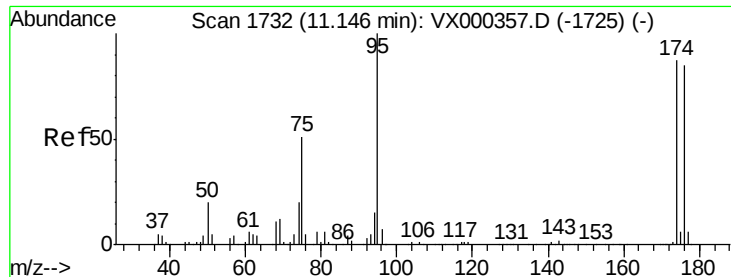
100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 39.26 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000386.D

Acq: 21 Mar 2018 15:37

Instrument :

MSVOA\_X

ClientSampleId :

SLAB-CONCRETE-B

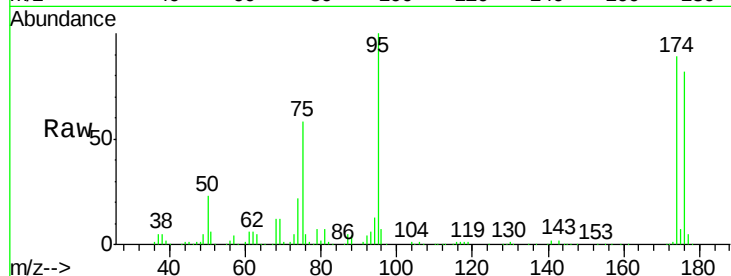
Tot Ion: 95 Resp: 78674

Ion Ratio Lower Upper

95 100

174 90.9 0.0 173.6

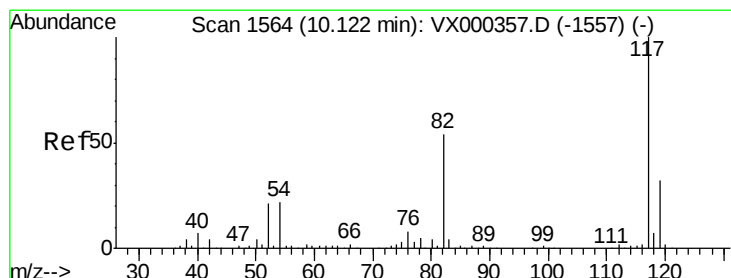
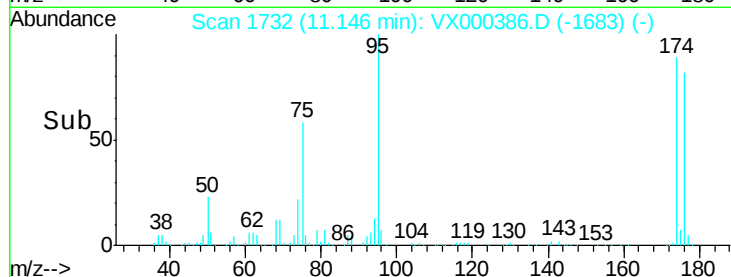
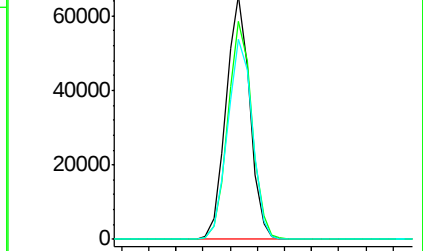
176 86.2 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000357.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000357.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000357.D (-1725) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000386.D

Acq: 21 Mar 2018 15:37

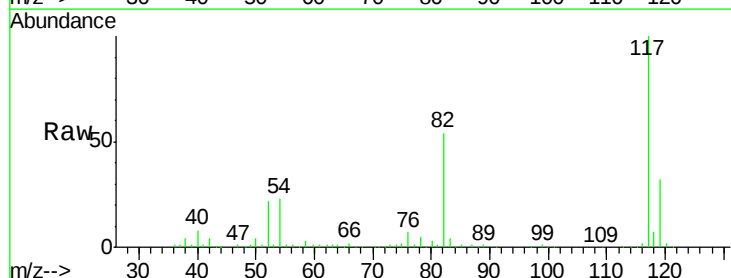
Tgt Ion: 117 Resp: 178157

Ion Ratio Lower Upper

117 100

82 53.6 43.8 65.8

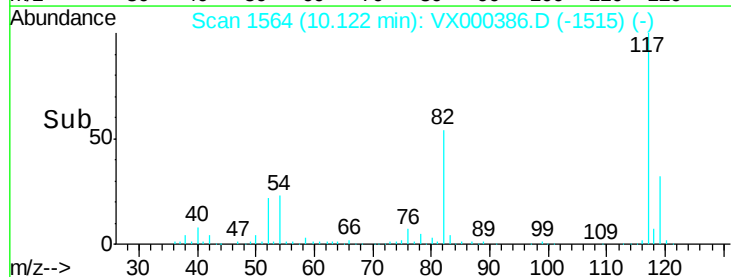
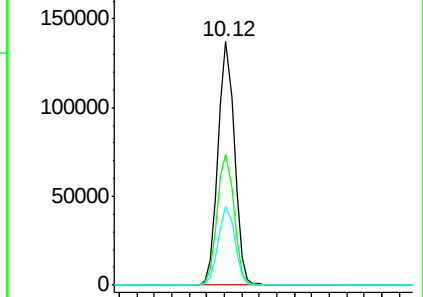
119 32.2 24.9 37.3

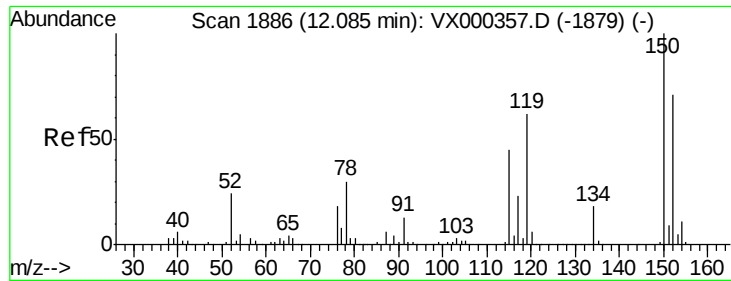


Abundance Ion 116.90 (116.60 to 117.60): VX000357.D (-1557) (-)

Ion 82.00 (81.70 to 82.70): VX000357.D (-1557) (-)

Ion 118.90 (118.60 to 119.60): VX000357.D (-1557) (-)



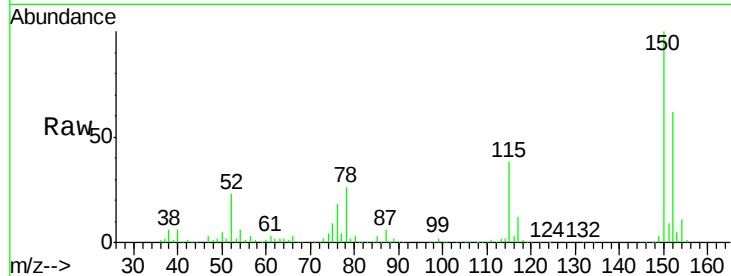


#72

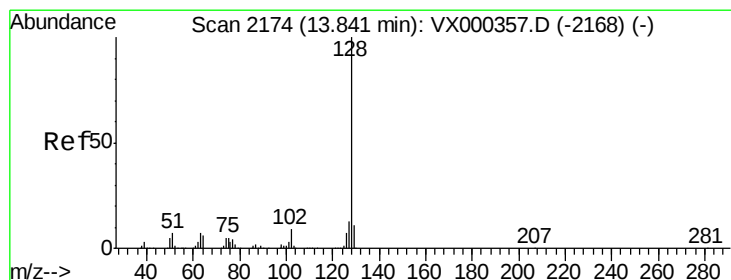
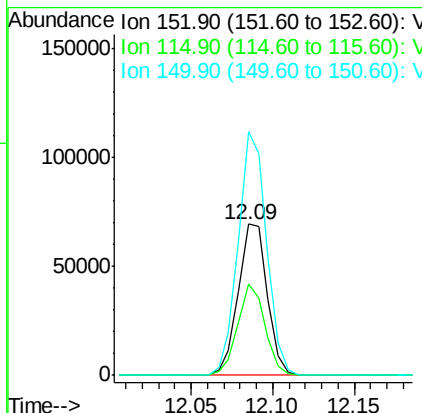
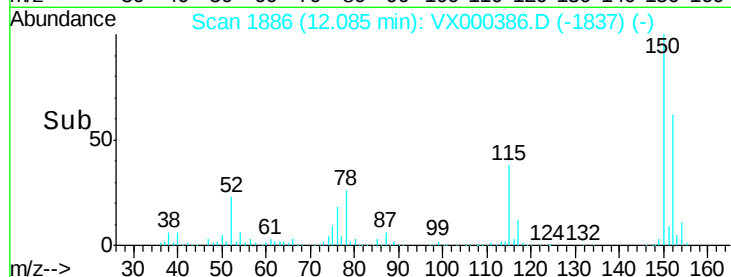
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX000386.D  
Acq: 21 Mar 2018 15:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
SLAB-CONCRETE-B

Tot Ion:152 Resp: 86557  
Ion Ratio Lower Upper  
152 100  
115 56.9 39.8 119.3  
150 157.2 0.0 344.4



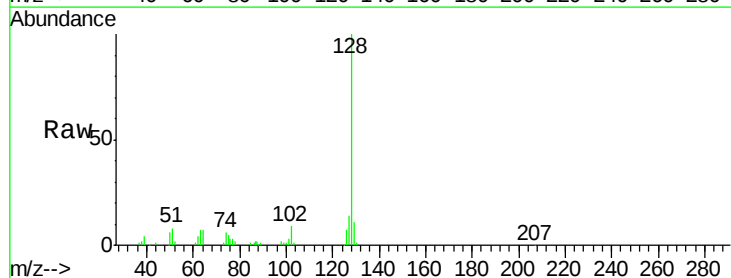
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene  
Concen: 3.25 ug/l  
RT: 13.84 min Scan# 2174  
Delta R.T. -0.00 min  
Lab File: VX000386.D  
Acq: 21 Mar 2018 15:37

Tgt Ion:128 Resp: 22994  
Ion Ratio Lower Upper  
128 100  
127 14.2 10.6 15.8  
129 11.9 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

