

Data File : VX000195.D  
Acq On : 02 Mar 2018 16:52  
Operator : JC/MD  
Sample : J1767-02 5X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RO-72-11998-CONCRETE

Quant Time: Mar 03 05:25:03 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X021418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 15 12:46:41 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.68  | 168  | 100240   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 159741   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 153539   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 80523    | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 6.08   | 65  | 64285    | 51.35 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.70% |      |
| 35) Dibromofluoromethane    | 5.52   | 113 | 47130    | 46.75 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.50%  |      |
| 50) Toluene-d8              | 8.73   | 98  | 198174   | 49.83 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.66%  |      |
| 62) 4-Bromofluorobenzene    | 11.15  | 95  | 71725    | 46.00 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.00%  |      |

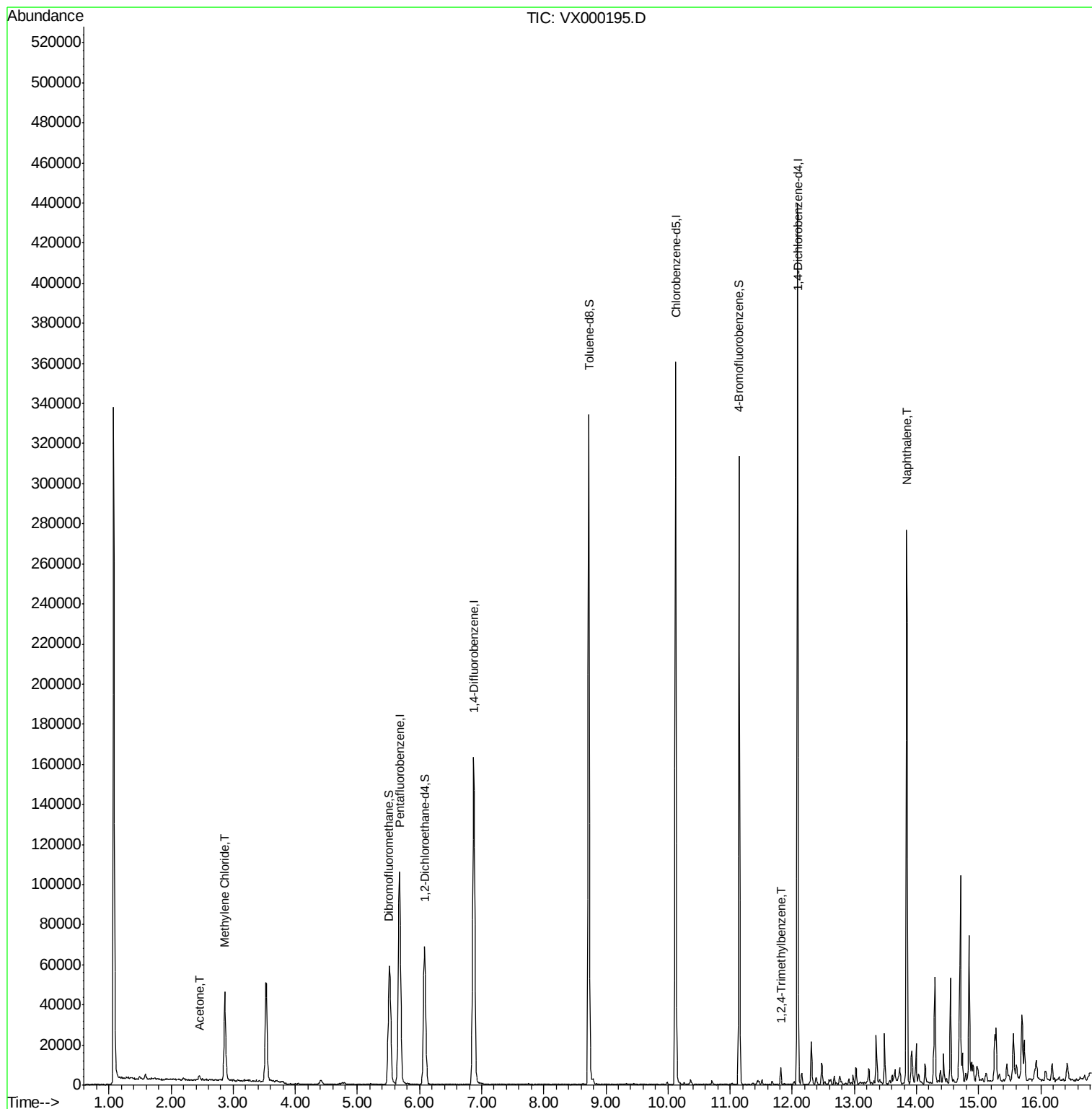
|                            |       |     |        |        |        |    |
|----------------------------|-------|-----|--------|--------|--------|----|
| Target Compounds           |       |     |        | Qvalue |        |    |
| 16) Acetone                | 2.45  | 43  | 3105   | 3.82   | ug/l # | 68 |
| 20) Methylene Chloride     | 2.86  | 84  | 18545  | 16.83  | ug/l   | 91 |
| 84) 1,2,4-Trimethylbenzene | 11.82 | 105 | 3572   | 0.80   | ug/l   | 94 |
| 95) Naphthalene            | 13.84 | 128 | 155326 | 23.38  | ug/l   | 99 |

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

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Instrument :

MSVOA\_X

ClientSampleId :

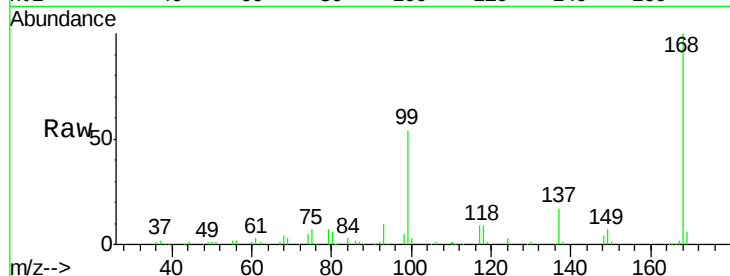
RO-72-11998-CONCRETE

Tgt Ion:168 Resp: 100240

Ion Ratio Lower Upper

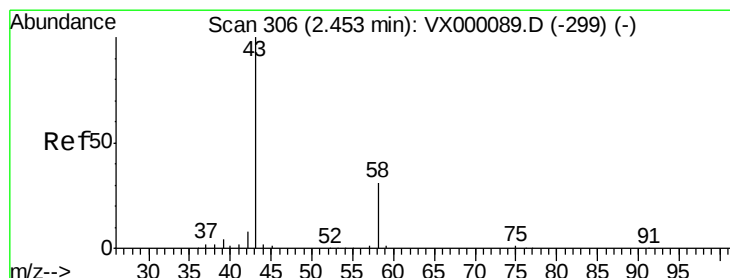
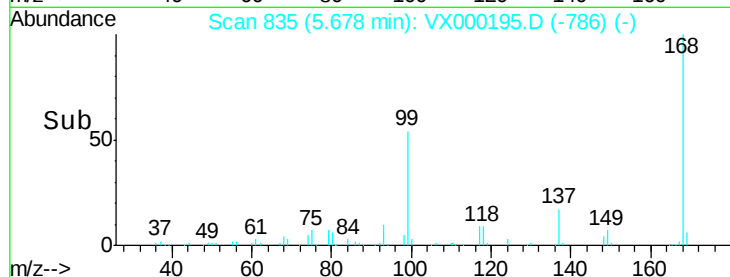
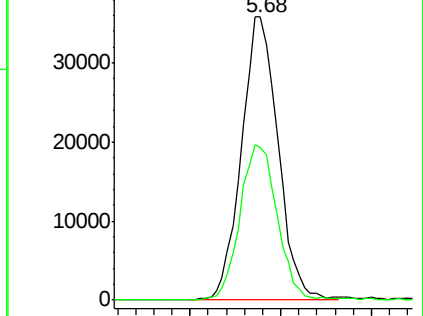
168 100

99 54.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 3.82 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000195.D

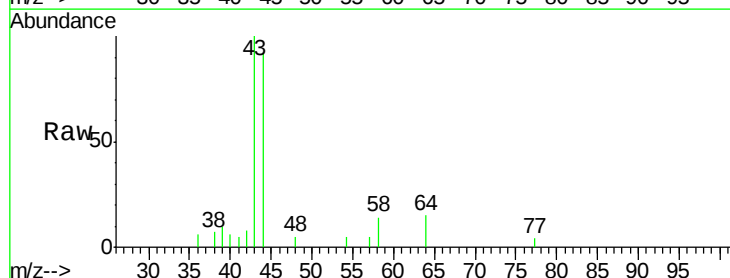
Acq: 02 Mar 2018 16:52

Tgt Ion: 43 Resp: 3105

Ion Ratio Lower Upper

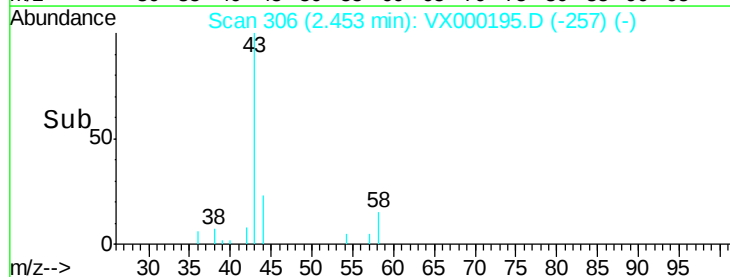
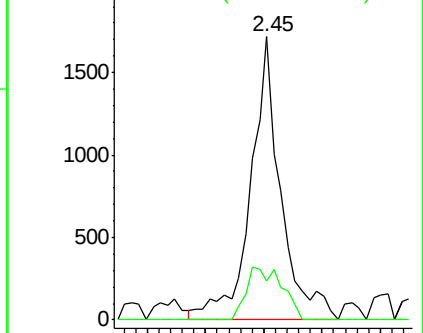
43 100

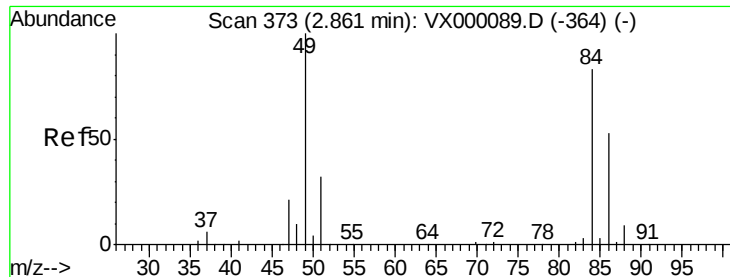
58 13.8 25.0 37.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

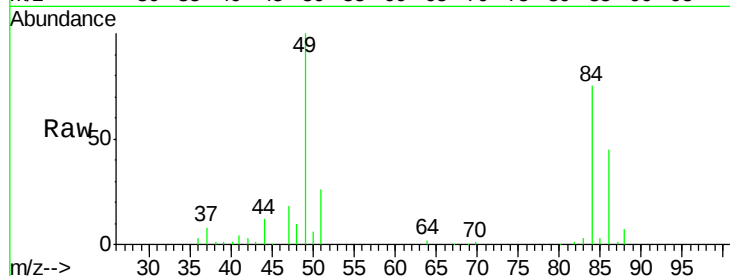




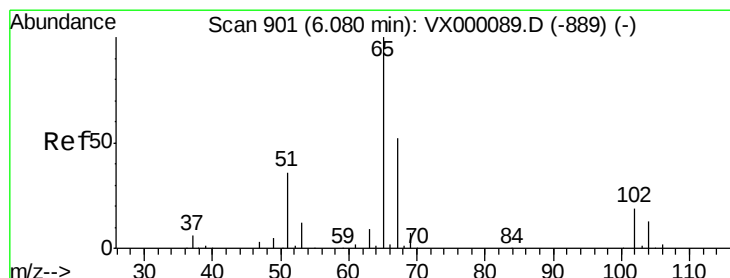
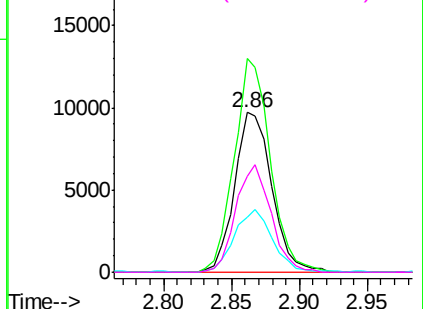
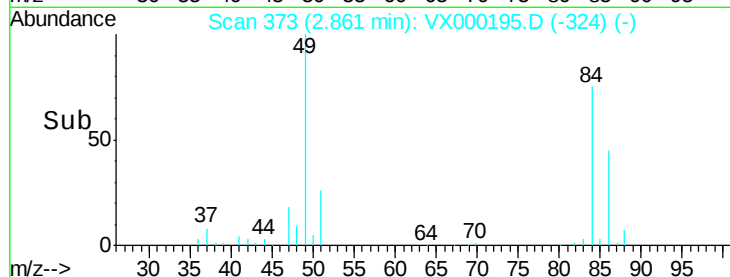
#20  
Methylene Chloride  
Concen: 16.83 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: VX000195.D  
Acq: 02 Mar 2018 16:52

Instrument :  
MSVOA\_X  
ClientSampleId :  
RO-72-11998-CONCRETE

Tgt Ion: 84 Resp: 18545  
Ion Ratio Lower Upper  
84 100  
49 133.6 96.1 144.1  
51 34.3 30.5 45.7  
86 59.9 51.3 76.9

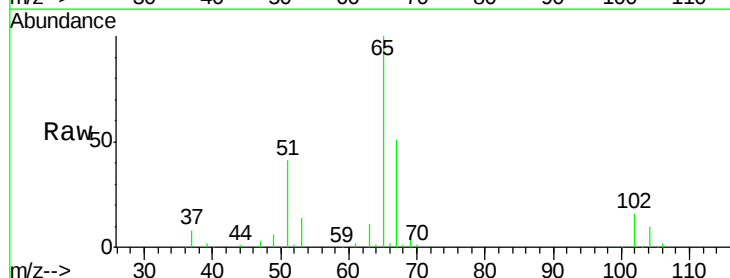


Abundance Ion 83.90 (83.60 to 84.60): VX0  
Ion 48.90 (48.60 to 49.60): VX0  
Ion 50.90 (50.60 to 51.60): VX0  
Ion 85.90 (85.60 to 86.60): VX0

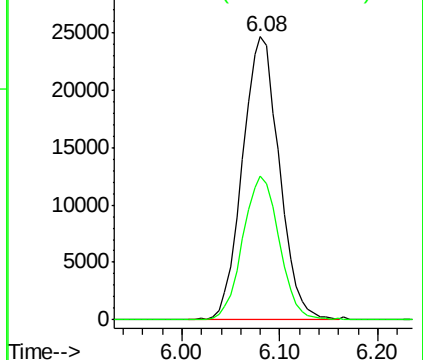
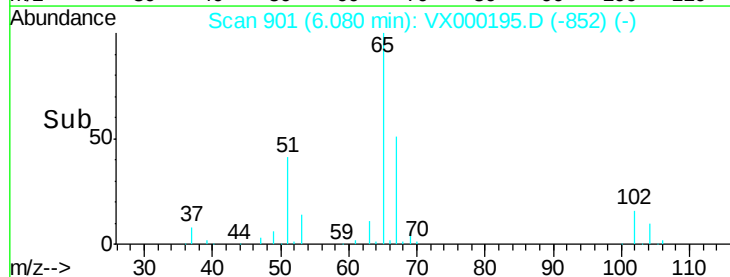


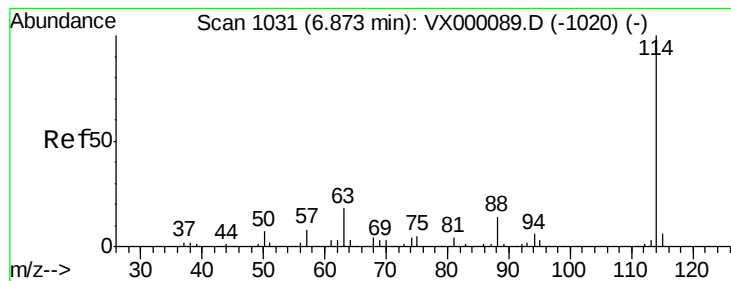
#33  
1,2-Dichloroethane-d4  
Concen: 51.35 ug/l  
RT: 6.08 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: VX000195.D  
Acq: 02 Mar 2018 16:52

Tgt Ion: 65 Resp: 64285  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0  
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000195.D

Acq: 02 Mar 2018 16:52

Instrument :

MSVOA\_X

ClientSampleId :

RO-72-11998-CONCRETE

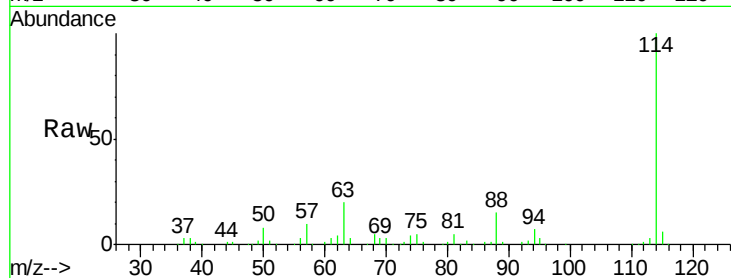
Tgt Ion:114 Resp: 159741

Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

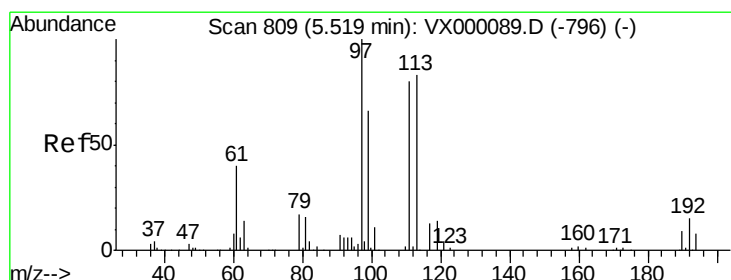
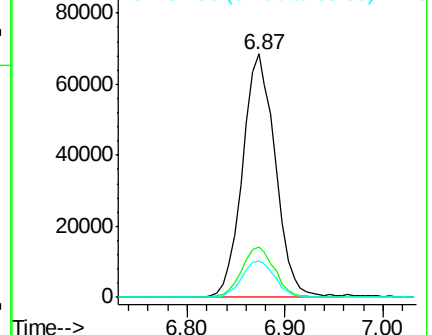
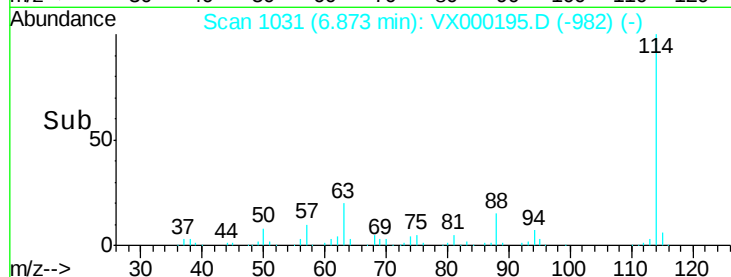
88 14.7 0.0 29.0



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: 46.75 ug/l

RT: 5.52 min Scan# 809

Delta R.T. -0.00 min

Lab File: VX000195.D

Acq: 02 Mar 2018 16:52

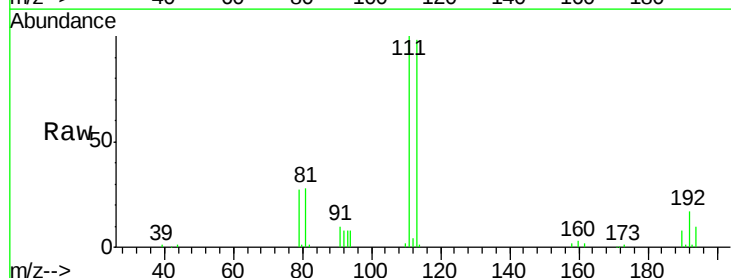
Tgt Ion:113 Resp: 47130

Ion Ratio Lower Upper

113 100

111 105.5 81.0 121.6

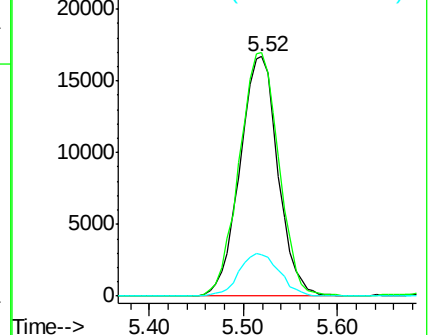
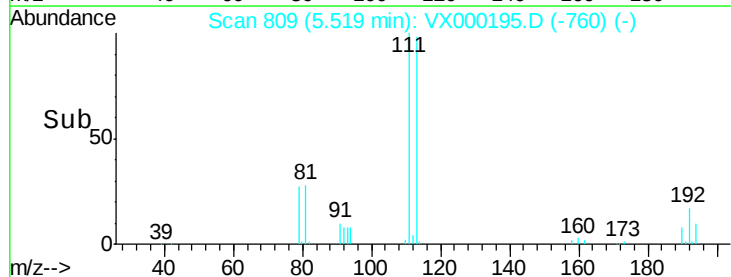
192 18.8 15.7 23.5

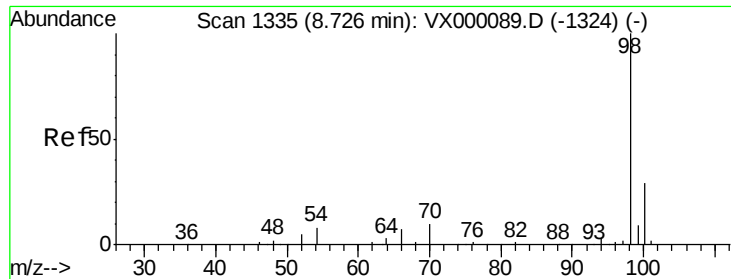


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.83 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000195.D

Acq: 02 Mar 2018 16:52

Instrument :

MSVOA\_X

ClientSampleId :

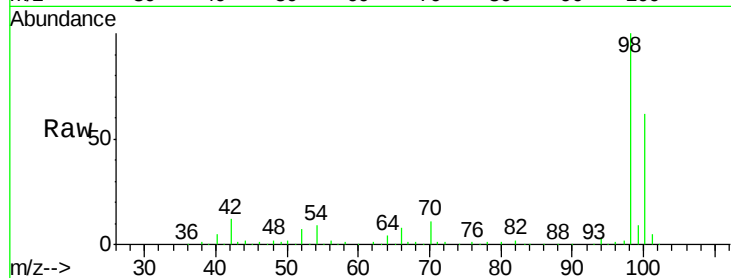
RO-72-11998-CONCRETE

Tgt Ion: 98 Resp: 198174

Ion Ratio Lower Upper

98 100

100 62.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.73

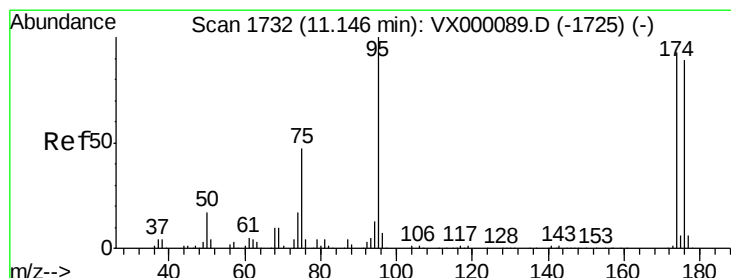
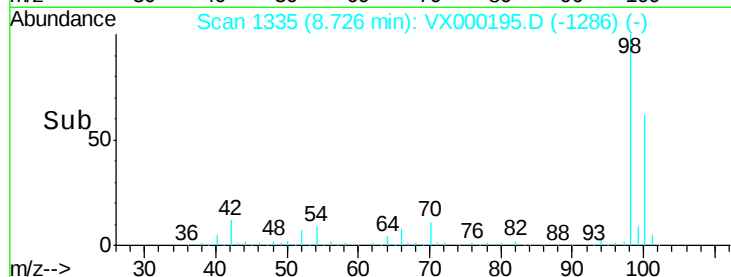
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 46.00 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000195.D

Acq: 02 Mar 2018 16:52

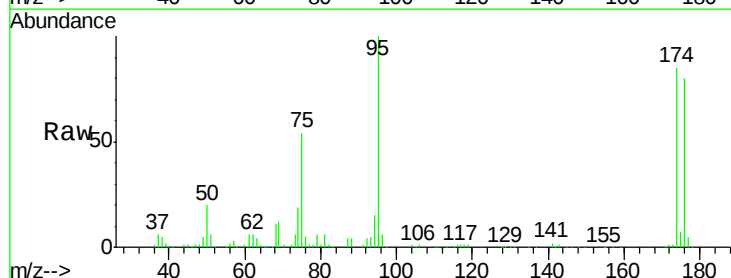
Tgt Ion: 95 Resp: 71725

Ion Ratio Lower Upper

95 100

174 85.1 0.0 187.8

176 80.3 0.0 181.2



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

80000

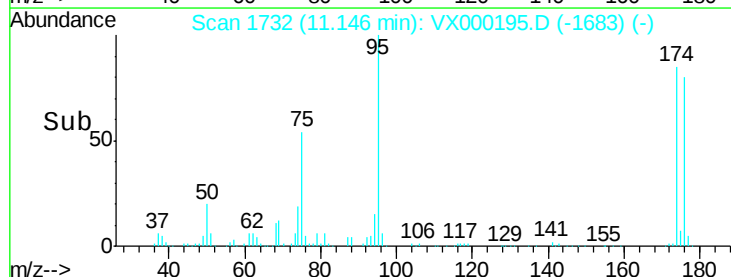
60000

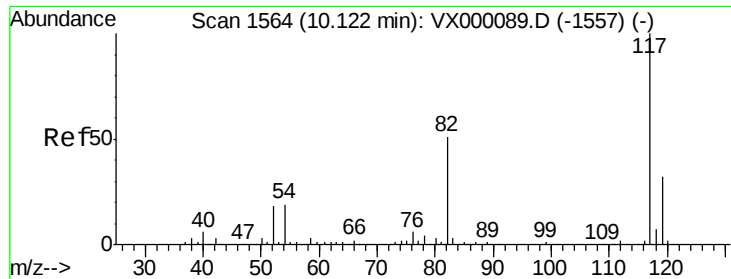
40000

20000

0

Time--> 11.10 11.20





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000195.D

Acq: 02 Mar 2018 16:52

Instrument :

MSVOA\_X

ClientSampleId :

RO-72-11998-CONCRETE

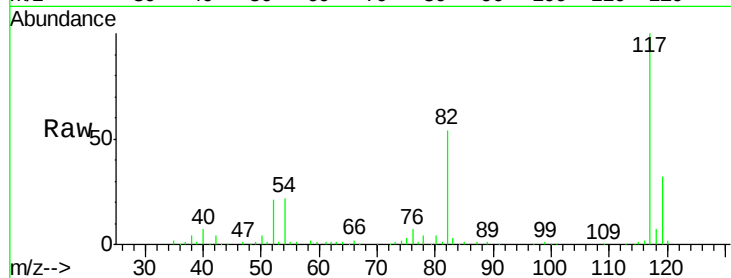
Tgt Ion:117 Resp: 153539

Ion Ratio Lower Upper

117 100

82 53.9 41.0 61.6

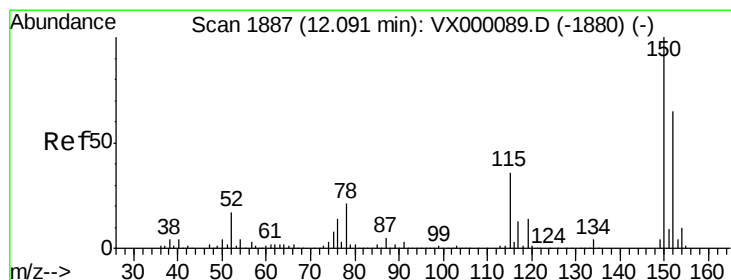
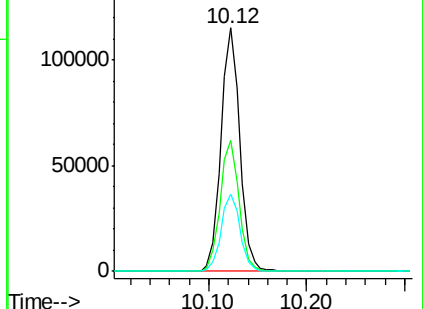
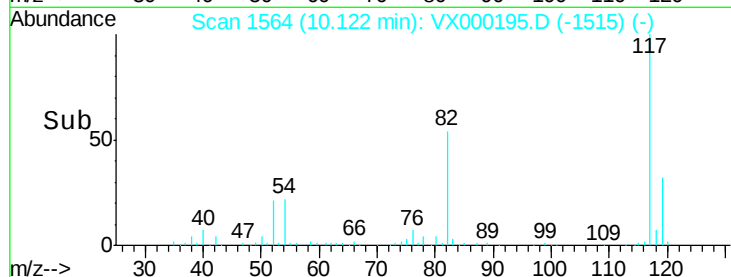
119 31.6 25.5 38.3



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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000195.D

Acq: 02 Mar 2018 16:52

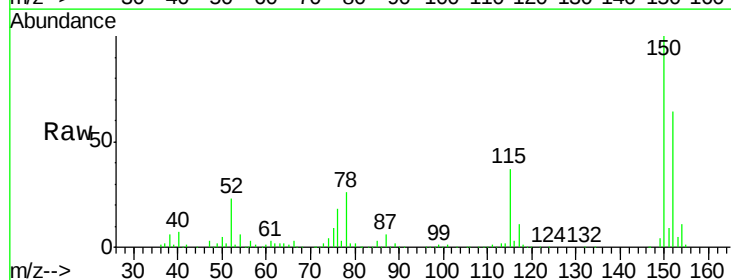
Tgt Ion:152 Resp: 80523

Ion Ratio Lower Upper

152 100

115 56.8 39.1 117.2

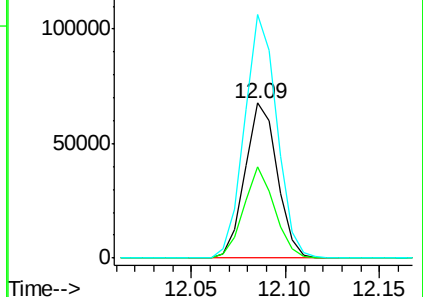
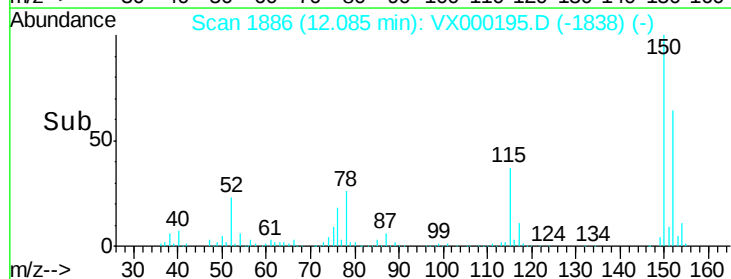
150 157.6 0.0 348.2

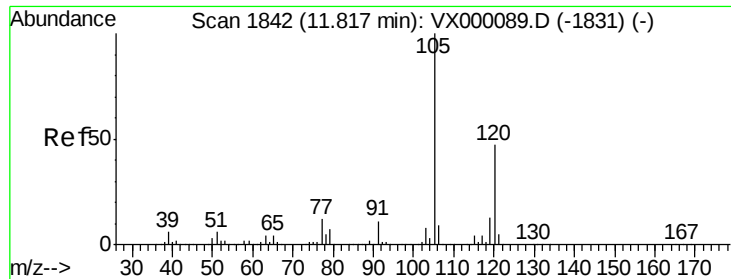


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

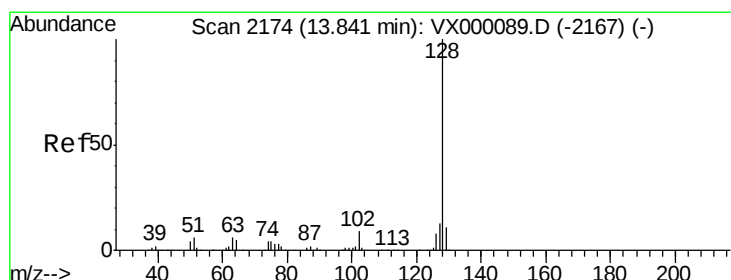
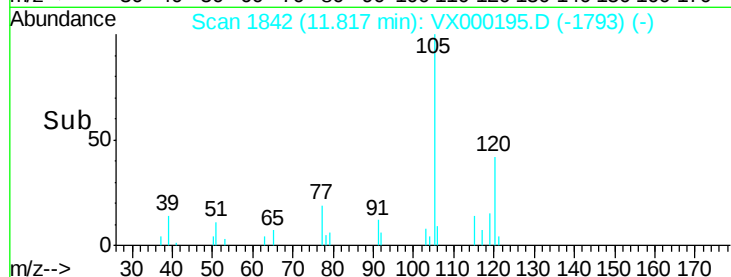
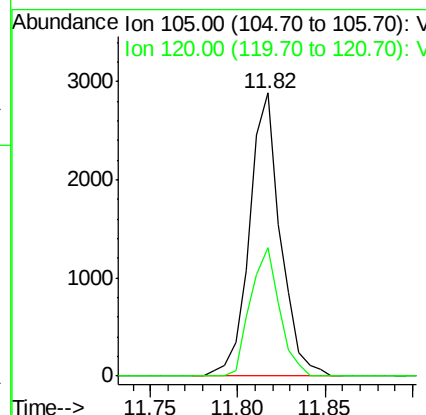
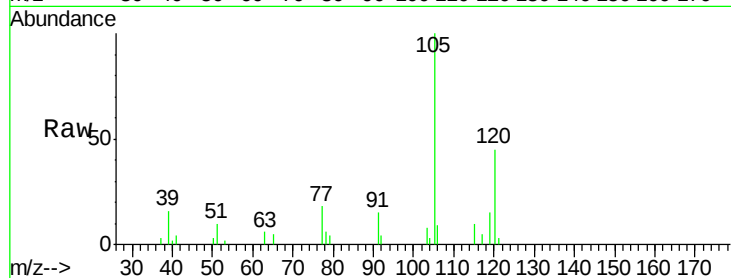




#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.80 ug/l  
 RT: 11.82 min Scan# 1842  
 Delta R.T. -0.00 min  
 Lab File: VX000195.D  
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Tgt Ion:105 Resp: 3572  
 Ion Ratio Lower Upper  
 105 100  
 120 42.4 23.1 69.2



#95  
 Naphthalene  
 Concen: 23.38 ug/l  
 RT: 13.84 min Scan# 2174  
 Delta R.T. -0.00 min  
 Lab File: VX000195.D  
 Acq: 02 Mar 2018 16:52

Tgt Ion:128 Resp: 155326  
 Ion Ratio Lower Upper  
 128 100  
 127 13.3 10.4 15.6  
 129 10.9 8.7 13.1

