

Data File : VX000193.D  
Acq On : 02 Mar 2018 16:01  
Operator : JC/MD  
Sample : J1756-04 5X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
OR-01-030118-B

Quant Time: Mar 03 13:33:27 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

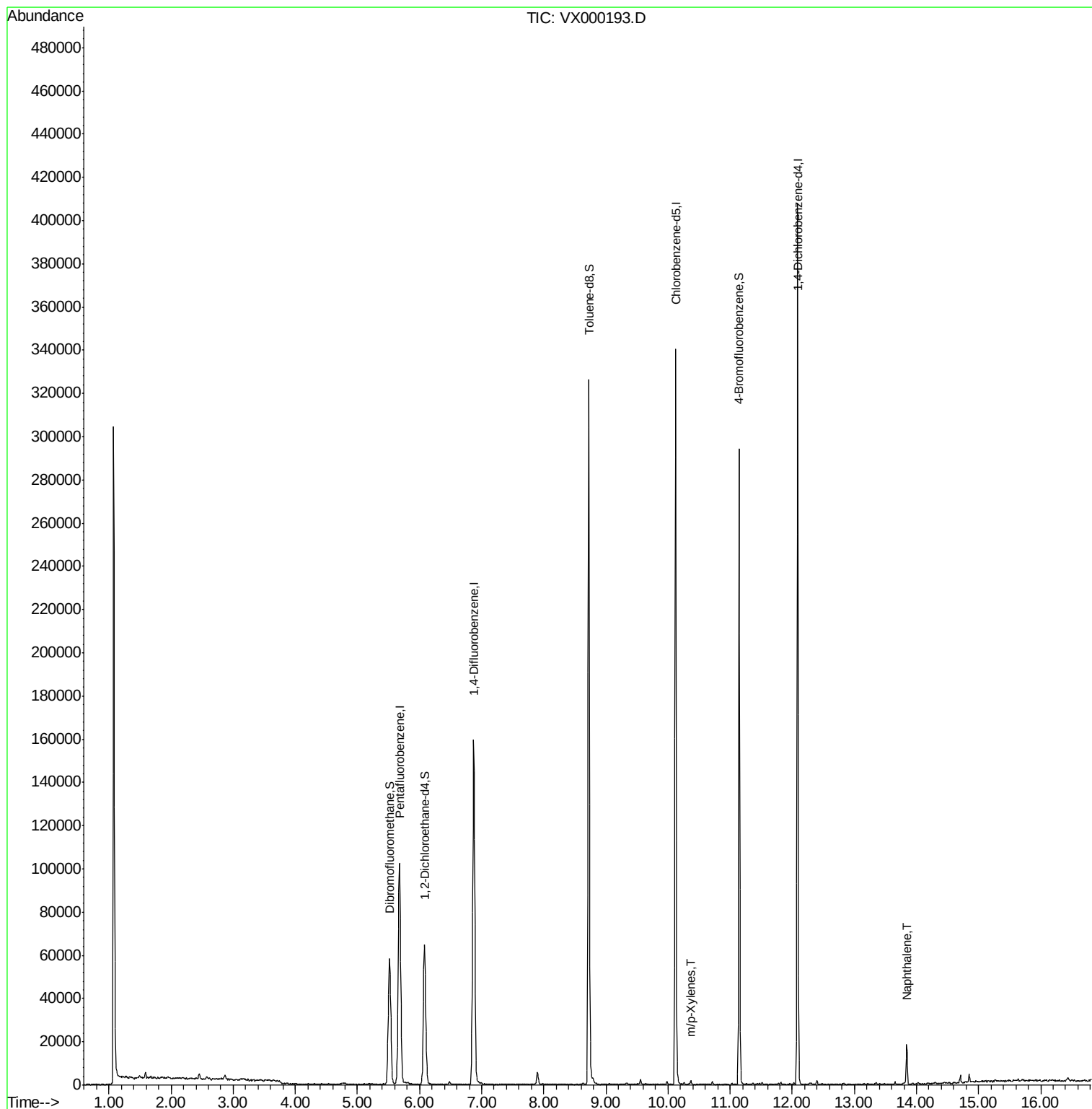
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.68  | 168  | 96988    | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 156456   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 147630   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 76045    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 61296    | 50.61 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.22% |          |
| 35) Dibromofluoromethane    | 5.52  | 113  | 46867    | 47.46 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.92%  |          |
| 50) Toluene-d8              | 8.73  | 98   | 191610   | 49.19 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.38%  |          |
| 62) 4-Bromofluorobenzene    | 11.15 | 95   | 67536    | 44.22 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.44%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 68) m/p-Xylenes             | 10.36 | 106  | 427      | 0.21  | ug/l    | # 63     |
| 95) Naphthalene             | 13.84 | 128  | 10636    | 1.70  | ug/l    | 99       |

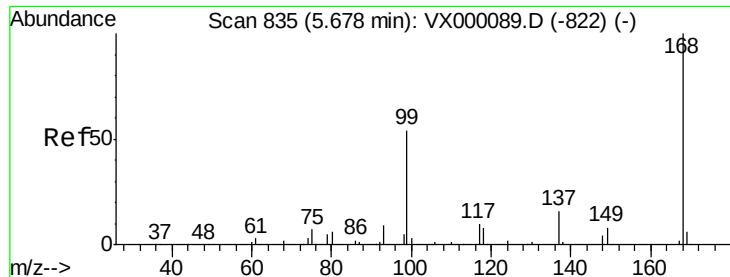
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

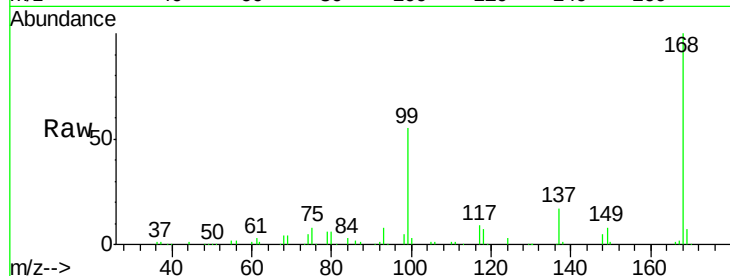
OR-01-030118-B

Tgt Ion:168 Resp: 96988

Ion Ratio Lower Upper

168 100

99 55.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

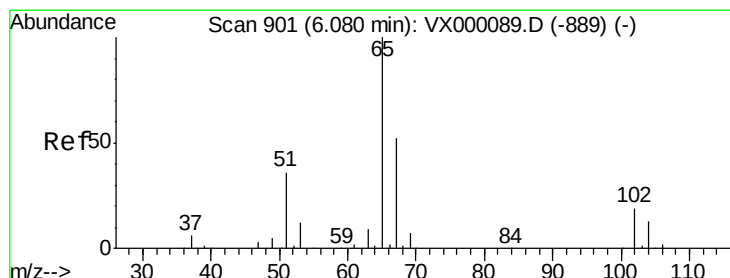
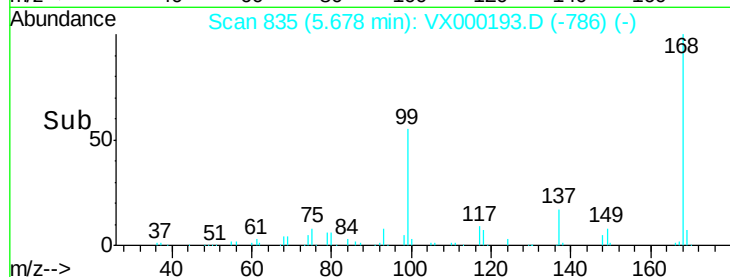
20000

10000

0

Time-->

5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 50.61 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000193.D

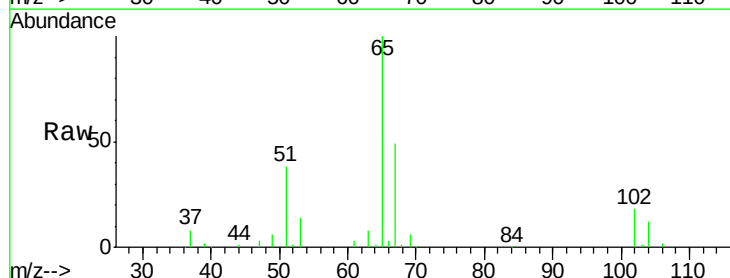
Acq: 02 Mar 2018 16:01

Tgt Ion: 65 Resp: 61296

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

25000

20000

15000

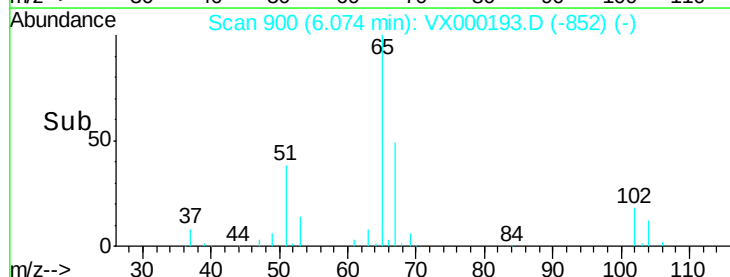
10000

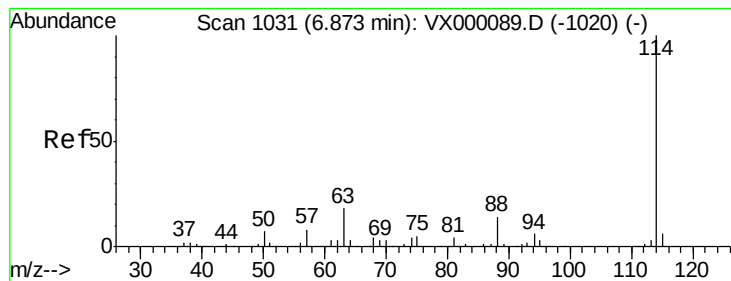
5000

0

Time-->

6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000193.D

Acq: 02 Mar 2018 16:01

Instrument :

MSVOA\_X

ClientSampleId :

OR-01-030118-B

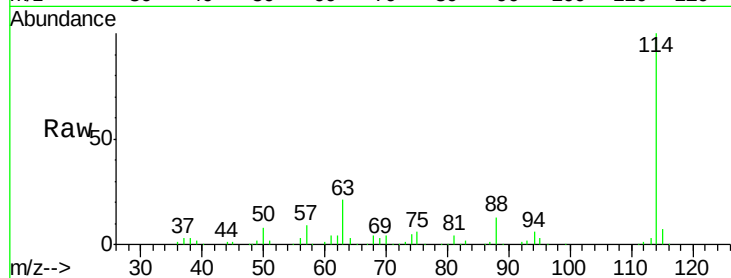
Tgt Ion:114 Resp: 156456

Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

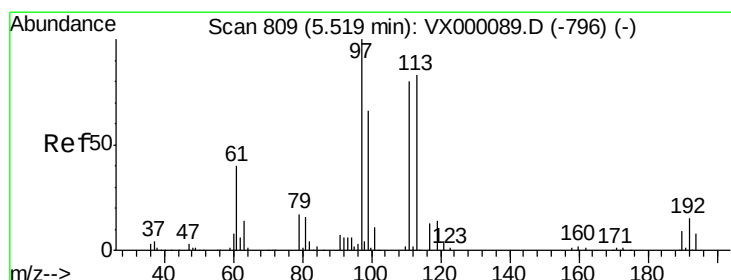
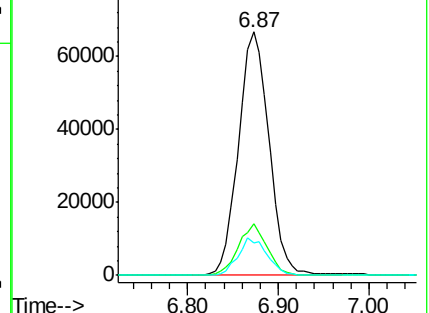
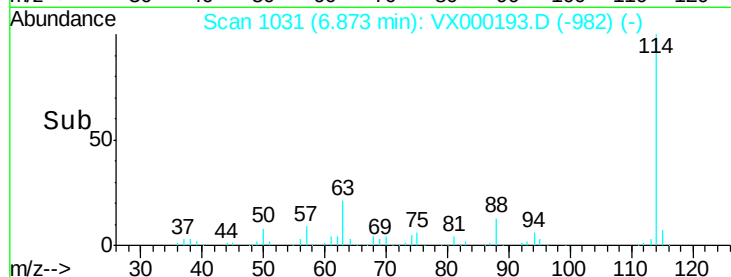
88 13.4 0.0 29.0



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: 47.46 ug/l

RT: 5.52 min Scan# 809

Delta R.T. -0.00 min

Lab File: VX000193.D

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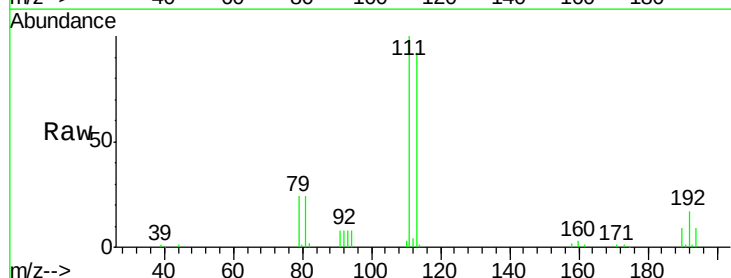
Tgt Ion:113 Resp: 46867

Ion Ratio Lower Upper

113 100

111 103.0 81.0 121.6

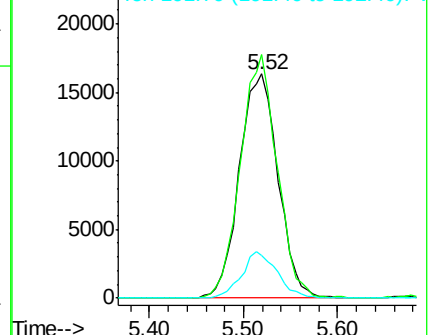
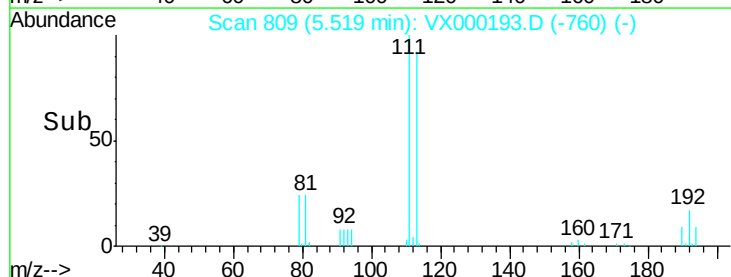
192 18.9 15.7 23.5

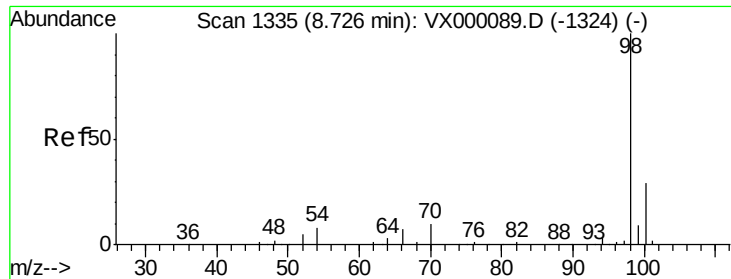


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

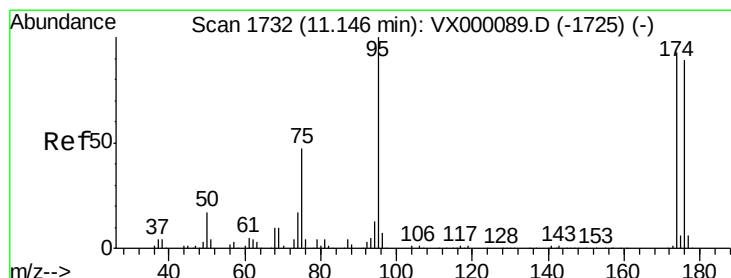
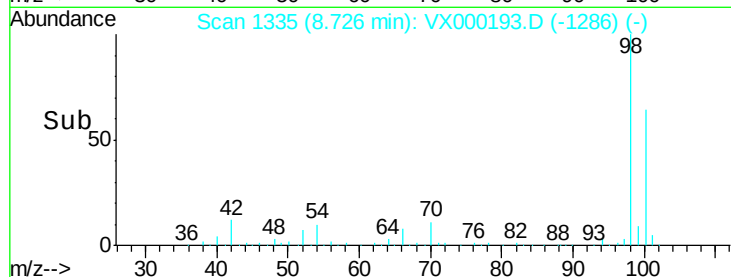
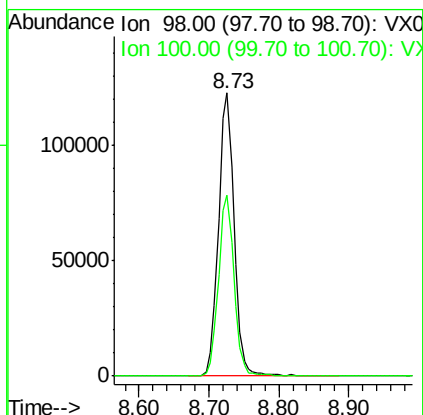
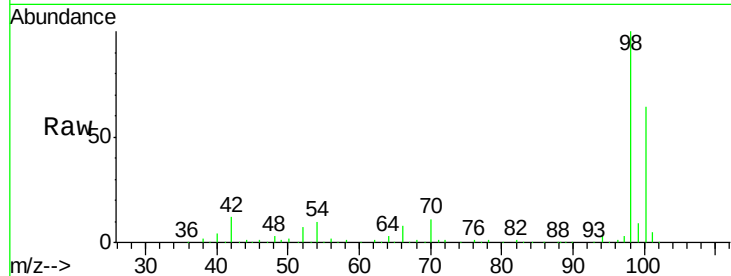




#50  
Toluene-d8  
Concen: 49.19 ug/l  
RT: 8.73 min Scan# 1335  
Delta R.T. -0.00 min  
Lab File: VX000193.D  
Acq: 02 Mar 2018 16:01

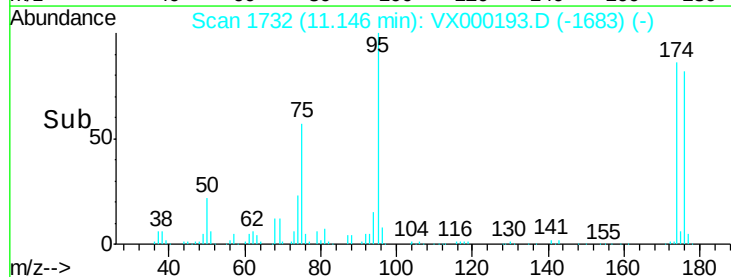
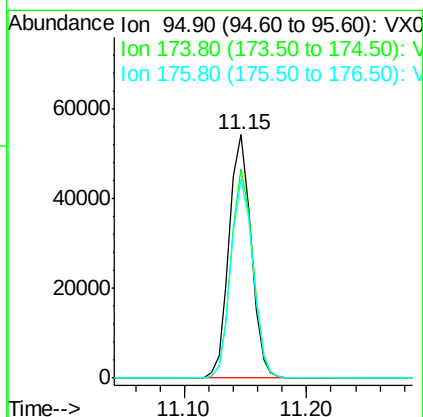
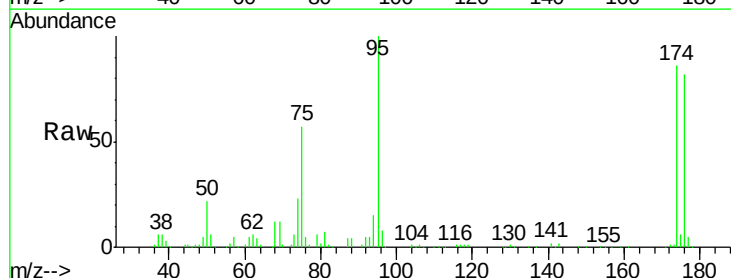
Instrument :  
MSVOA\_X  
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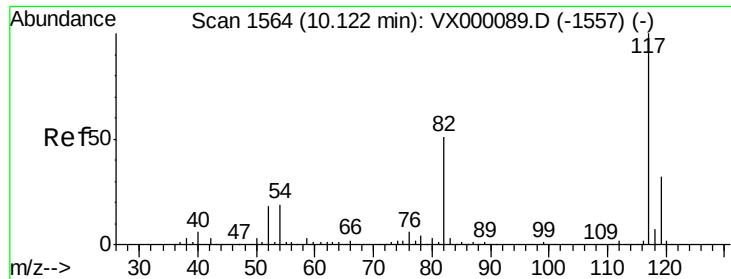
Tgt Ion: 98 Resp: 191610  
Ion Ratio Lower Upper  
98 100  
100 63.6 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 44.22 ug/l  
RT: 11.15 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VX000193.D  
Acq: 02 Mar 2018 16:01

Tgt Ion: 95 Resp: 67536  
Ion Ratio Lower Upper  
95 100  
174 85.0 0.0 187.8  
176 82.4 0.0 181.2

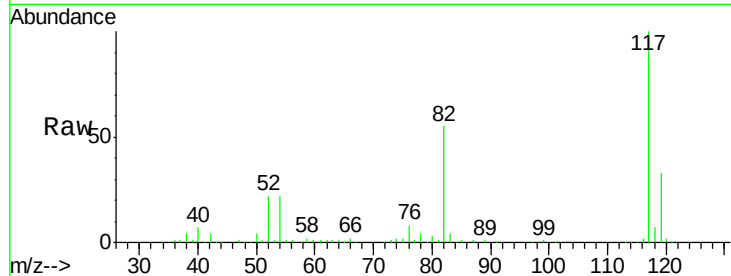




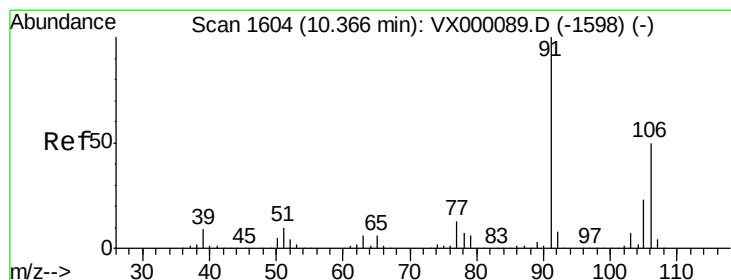
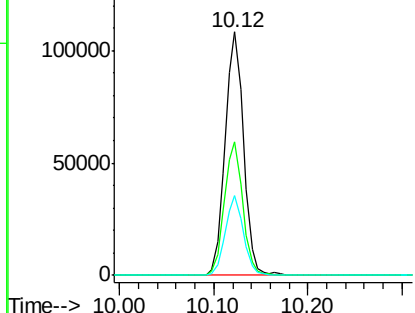
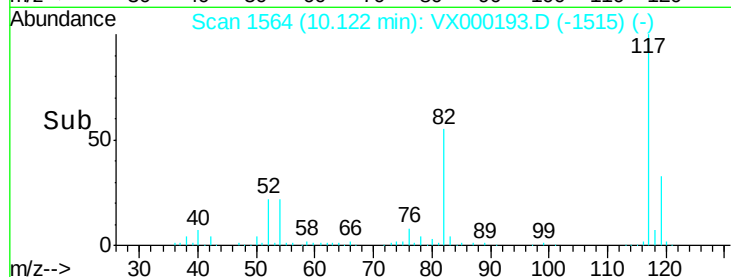
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX000193.D  
Acq: 02 Mar 2018 16:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
OR-01-030118-B

Tgt Ion:117 Resp: 147630  
Ion Ratio Lower Upper  
117 100  
82 54.6 41.0 61.6  
119 32.6 25.5 38.3

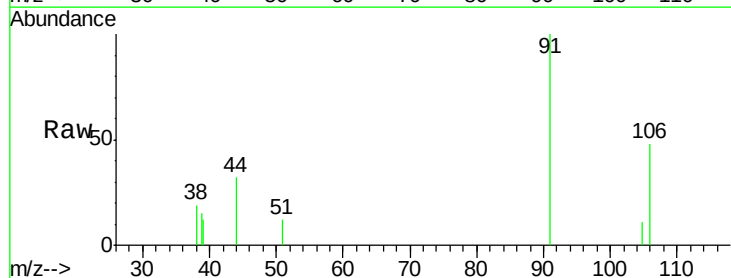


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

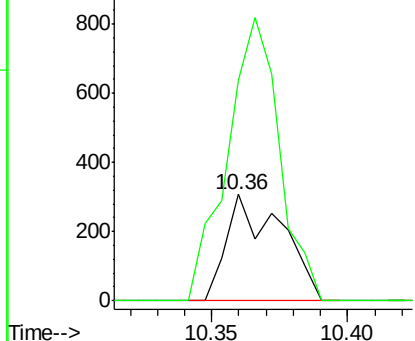
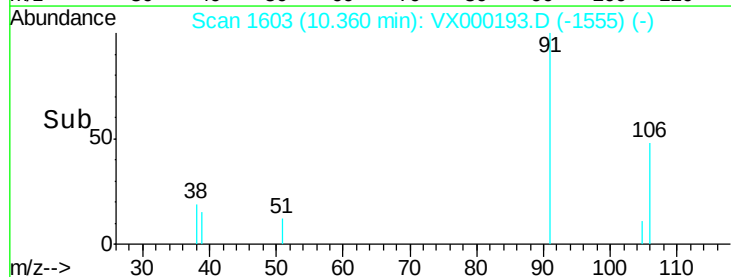


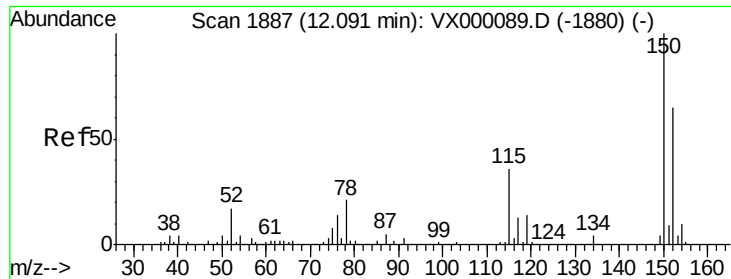
#68  
m/p-Xylenes  
Concen: 0.21 ug/l  
RT: 10.36 min Scan# 1603  
Delta R.T. -0.01 min  
Lab File: VX000193.D  
Acq: 02 Mar 2018 16:01

Tgt Ion:106 Resp: 427  
Ion Ratio Lower Upper  
106 100  
91 254.3 159.1 238.7#



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000193.D

Acq: 02 Mar 2018 16:01

Instrument :

MSVOA\_X

ClientSampleId :

OR-01-030118-B

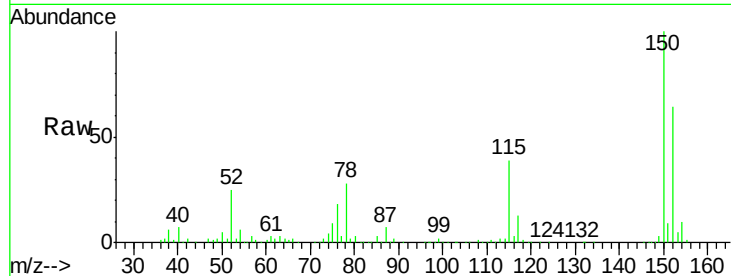
Tgt Ion:152 Resp: 76045

Ion Ratio Lower Upper

152 100

115 56.8 39.1 117.2

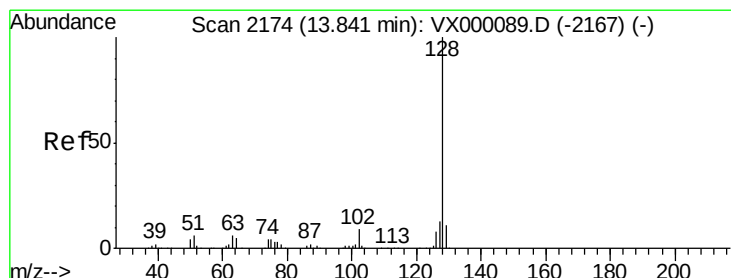
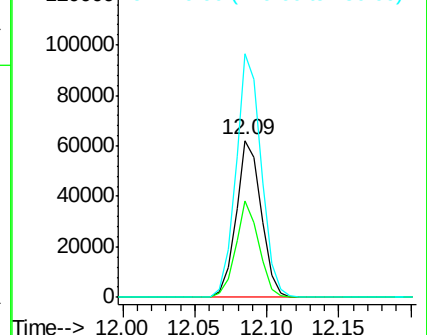
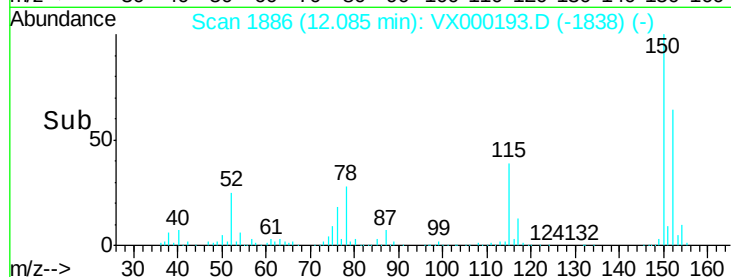
150 156.0 0.0 348.2



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



#95

Naphthalene

Concen: 1.70 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000193.D

Acq: 02 Mar 2018 16:01

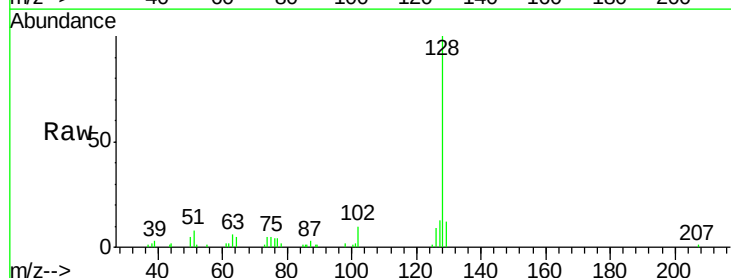
Tgt Ion:128 Resp: 10636

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

129 11.3 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

