

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110218\  
 Data File : VX005764.D  
 Acq On : 02 Nov 2018 18:44  
 Operator : JC/MD  
 Sample : PB114401ZHE#15  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB114401ZHE#15

Quant Time: Nov 03 02:53:07 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

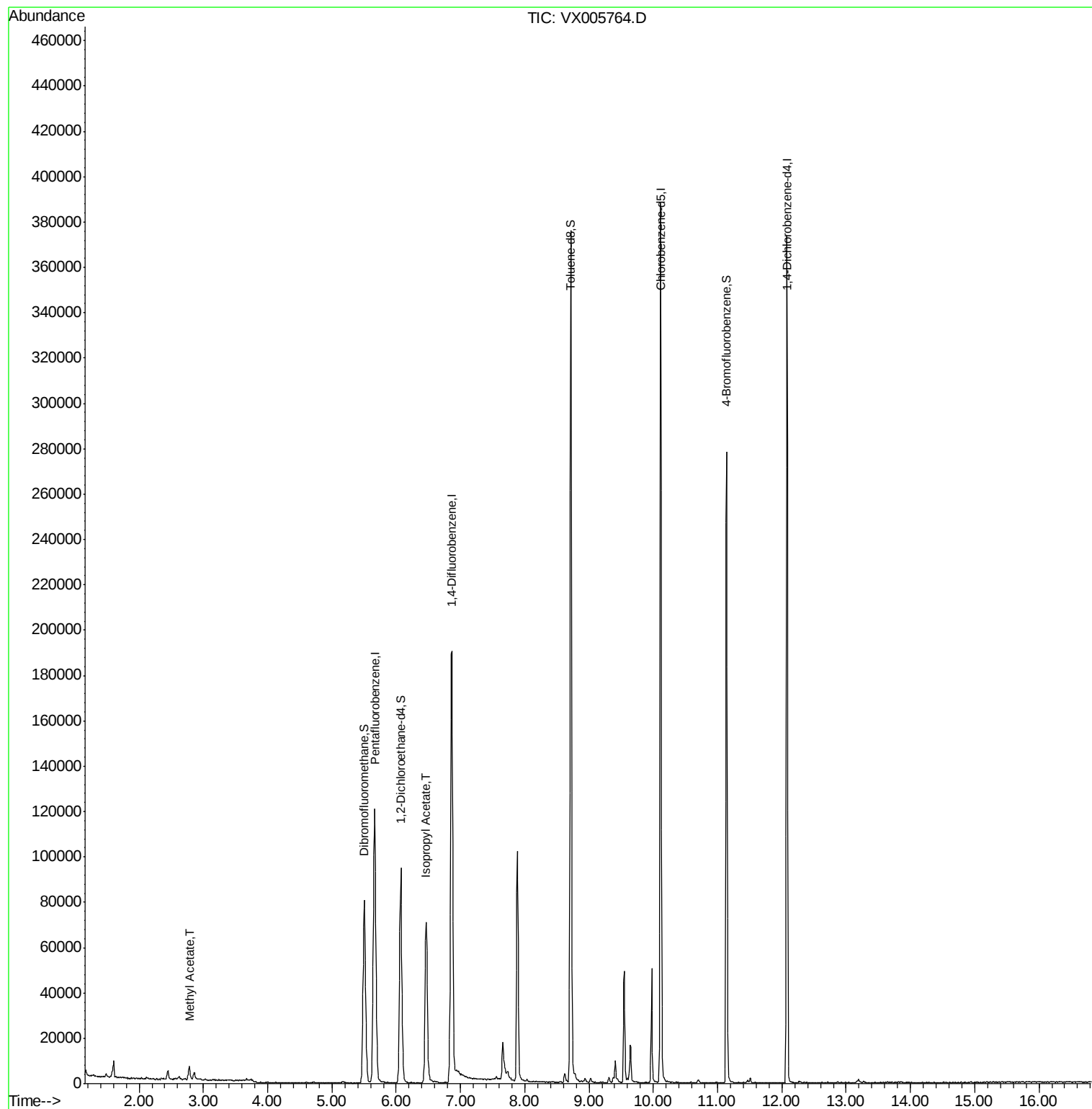
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 107576   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 179784   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 165760   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 69977    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 88419    | 56.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.44% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 66894    | 53.74  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.48% |          |
| 50) Toluene-d8              | 8.71  | 98   | 227236   | 52.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.10% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 71027    | 44.08  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.16%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 18) Methyl Acetate          | 2.78  | 43   | 6951     | 3.080  | ug/l    | 96       |
| 43) Isopropyl Acetate       | 6.47  | 43   | 93291    | 26.302 | ug/l    | 98       |

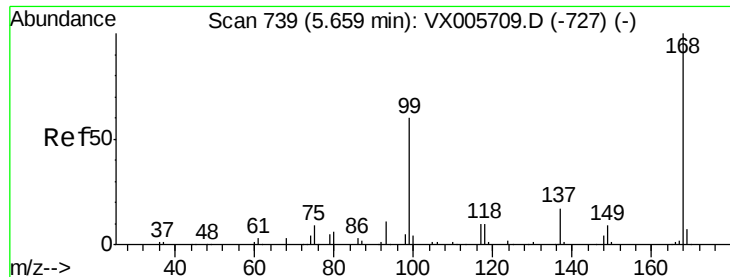
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X103118W.M  
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: VX005764.D

Acq: 02 Nov 2018 18:44

Instrument :

MSVOA\_X

ClientSampleId :

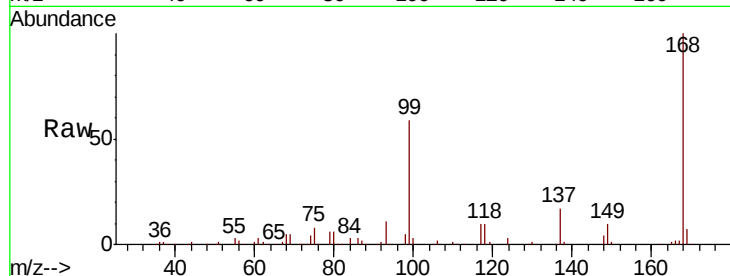
PB114401ZHE#15

Tot Ion:168 Resp: 107576

Ion Ratio Lower Upper

168 100

99 58.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

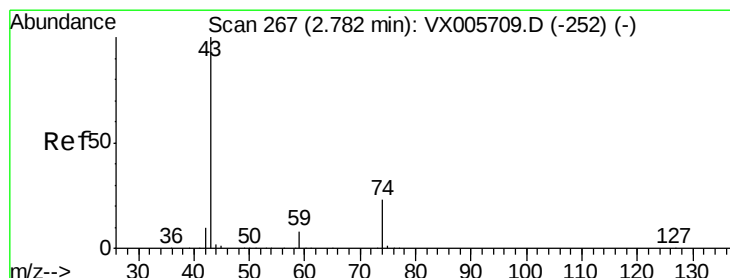
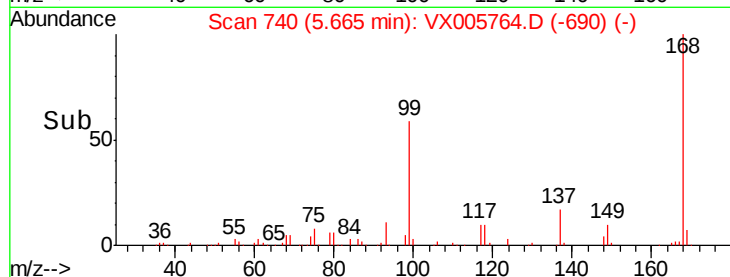
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#18

Methyl Acetate

Concen: 3.080 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005764.D

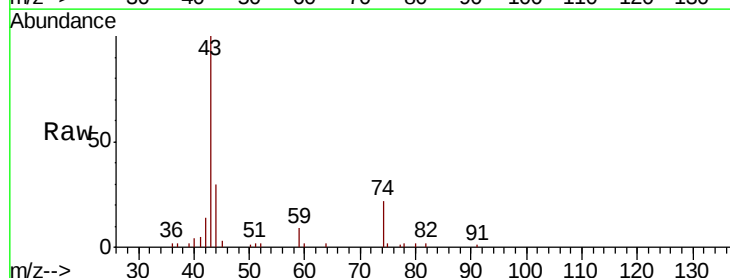
Acq: 02 Nov 2018 18:44

Tgt Ion: 43 Resp: 6951

Ion Ratio Lower Upper

43 100

74 22.8 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

4000

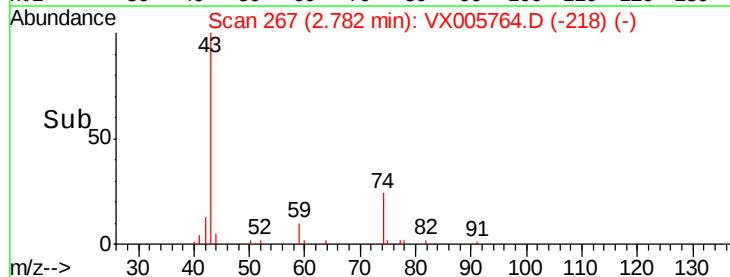
3000

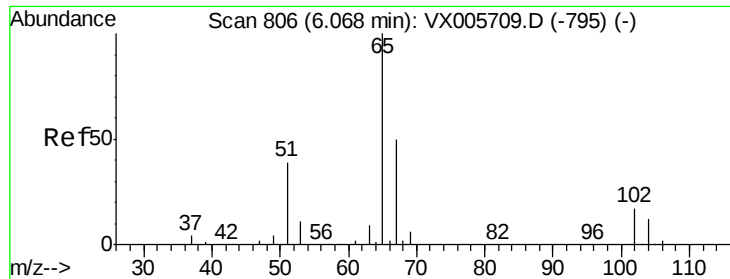
2000

1000

0

Time--> 2.70 2.75 2.80 2.85





#33

1,2-Dichloroethane-d4

Concen: 56.218 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005764.D

Acq: 02 Nov 2018 18:44

Instrument :

MSVOA\_X

ClientSampleId :

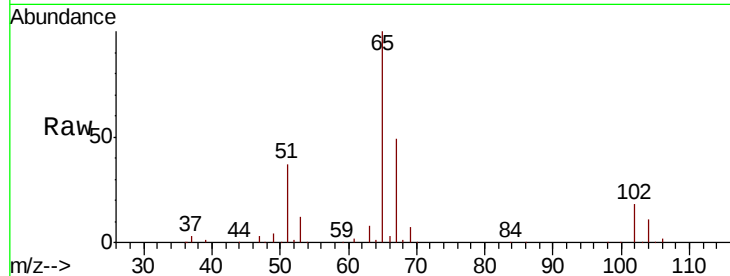
PB114401ZHE#15

Tot Ion: 65 Resp: 88419

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

40000

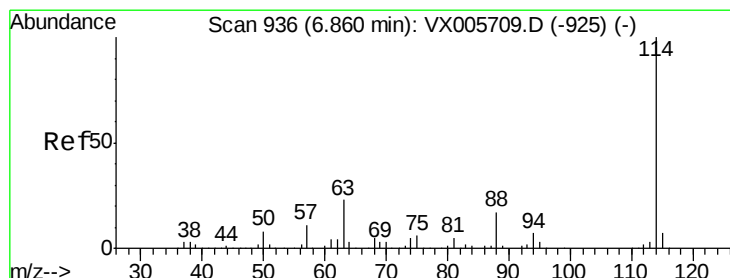
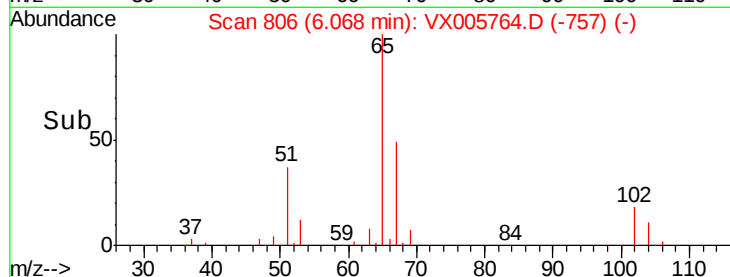
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX005764.D

Acq: 02 Nov 2018 18:44

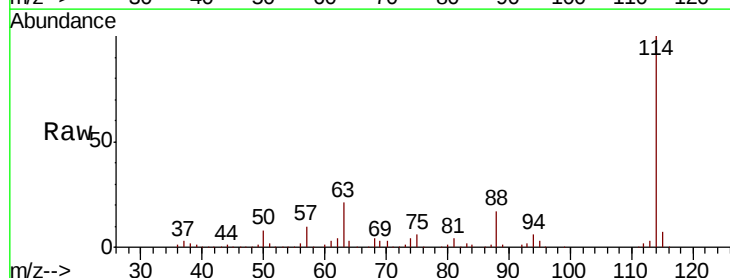
Tgt Ion: 114 Resp: 179784

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.8

88 17.1 0.0 31.2



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

6.87

100000

80000

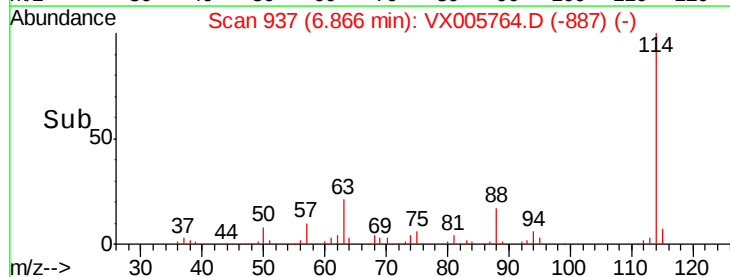
60000

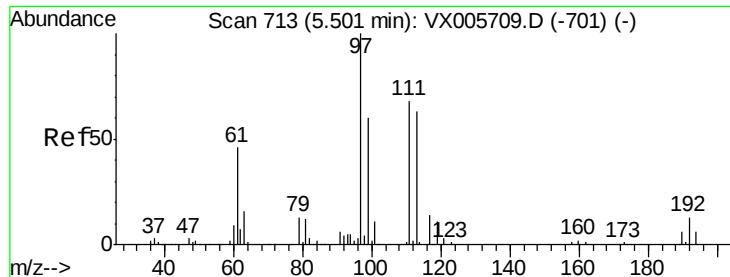
40000

20000

0

Time--> 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 53.737 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005764.D

Acq: 02 Nov 2018 18:44

Instrument :

MSVOA\_X

ClientSampleId :

PB114401ZHE#15

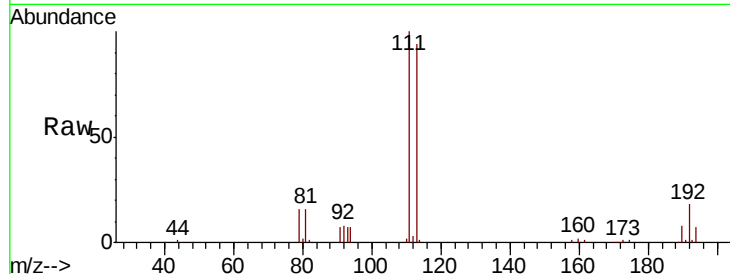
Tot Ion:113 Resp: 66894

Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

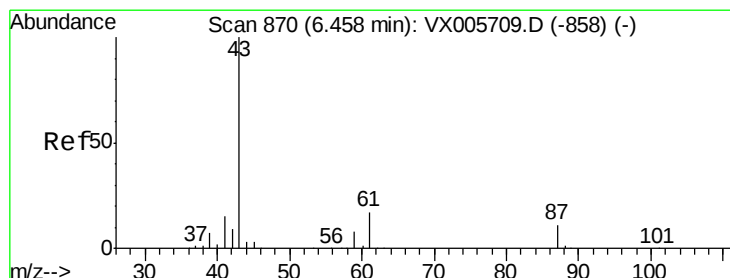
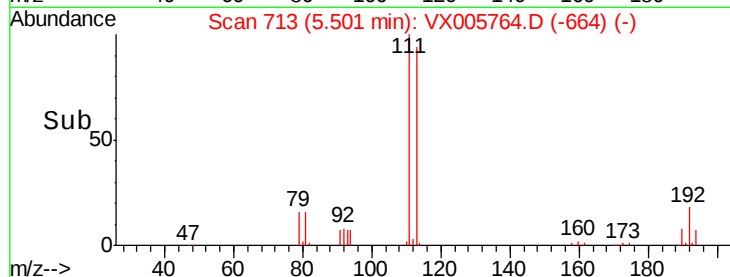
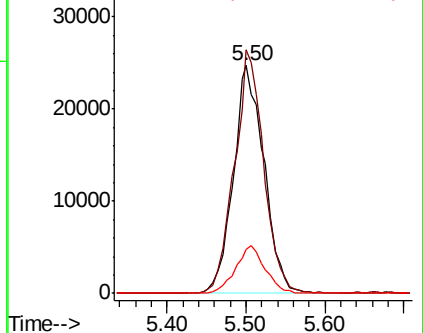
192 19.9 17.9 26.9



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: 26.302 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX005764.D

Acq: 02 Nov 2018 18:44

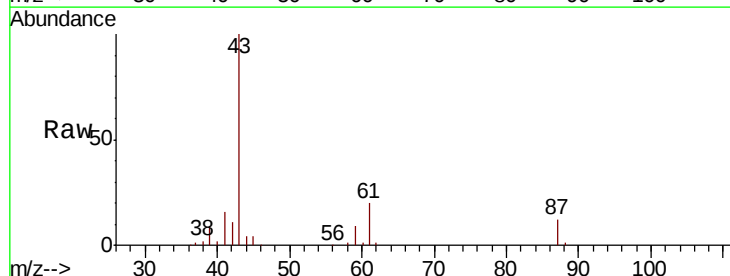
Tgt Ion: 43 Resp: 93291

Ion Ratio Lower Upper

43 100

61 19.8 14.6 22.0

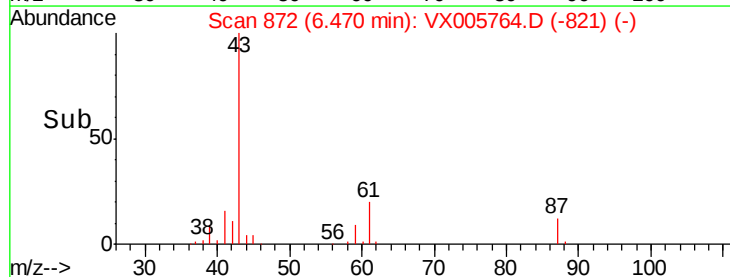
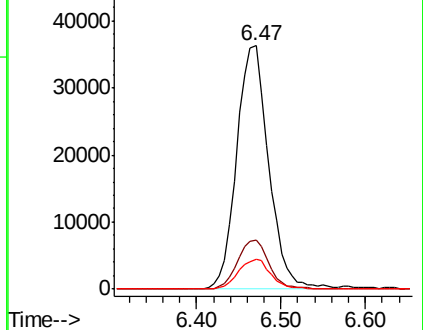
87 12.4 9.6 14.4

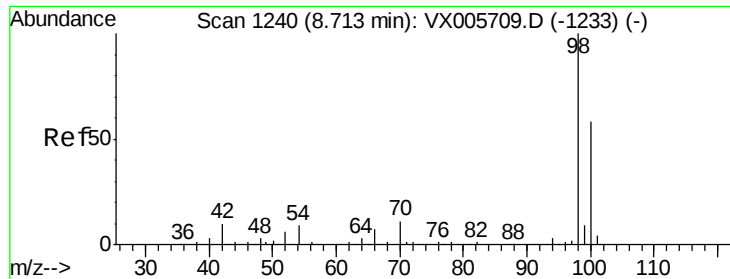


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

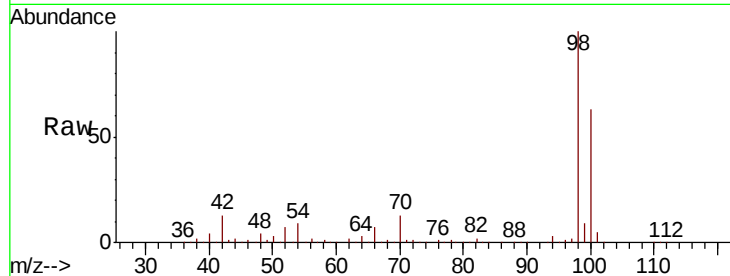




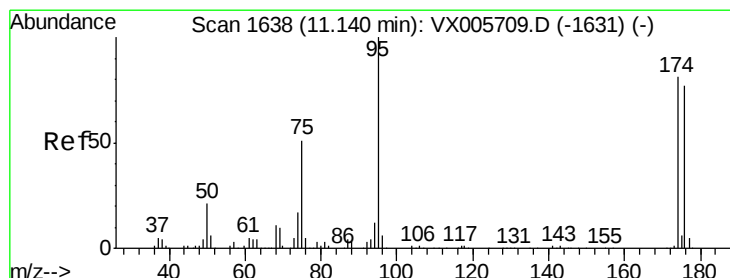
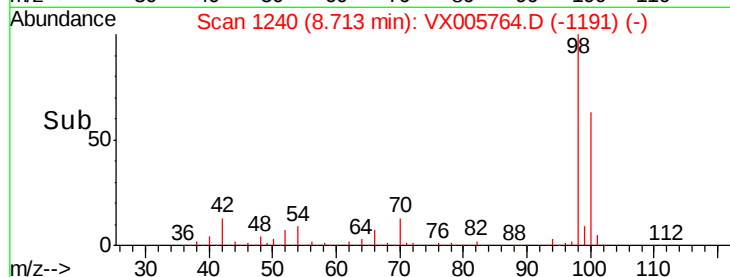
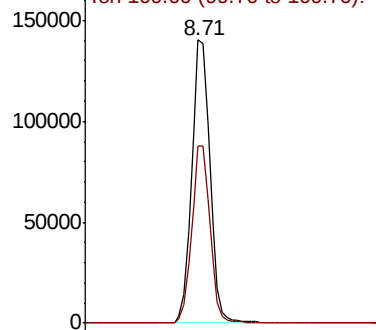
#50  
Toluene-d8  
Concen: 52.046 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX005764.D  
Acq: 02 Nov 2018 18:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB114401ZHE#15

Tot Ion: 98 Resp: 227236  
Ion Ratio Lower Upper  
98 100  
100 62.4 51.3 76.9

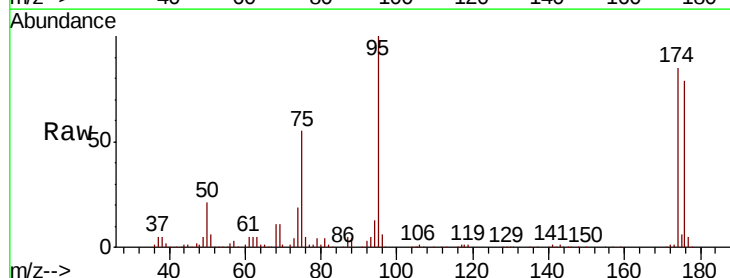


Abundance Ion 98.00 (97.70 to 98.70): VX0  
Ion 100.00 (99.70 to 100.70): V

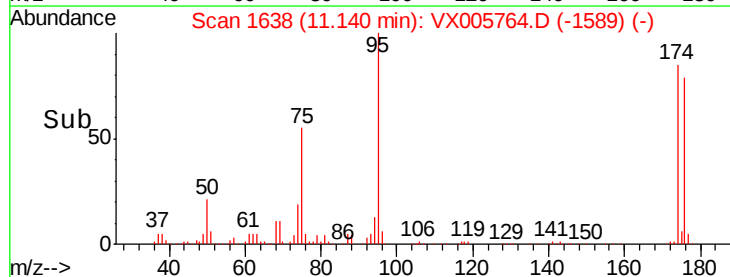
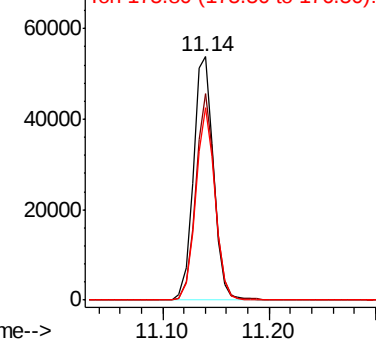


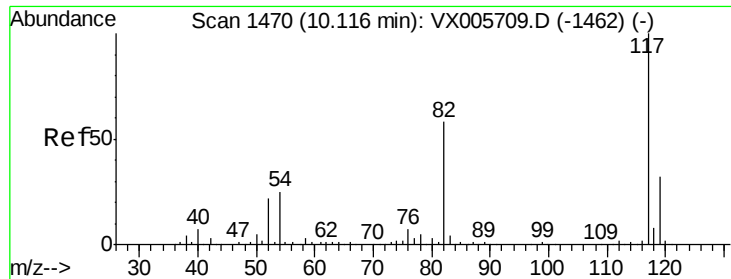
#62  
4-Bromofluorobenzene  
Concen: 44.078 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. -0.00 min  
Lab File: VX005764.D  
Acq: 02 Nov 2018 18:44

Tgt Ion: 95 Resp: 71027  
Ion Ratio Lower Upper  
95 100  
174 80.5 0.0 184.4  
176 75.9 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

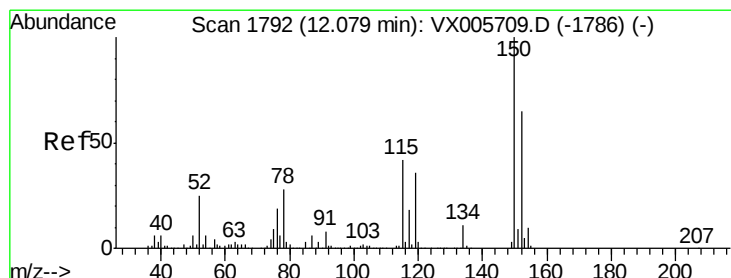
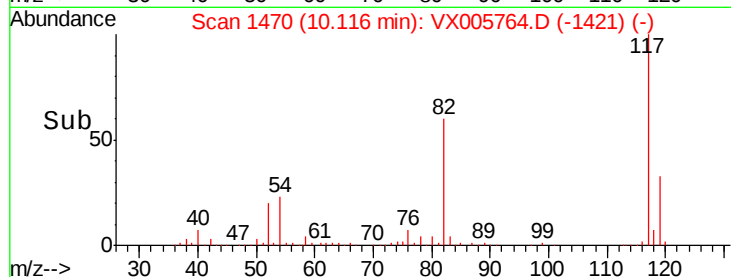
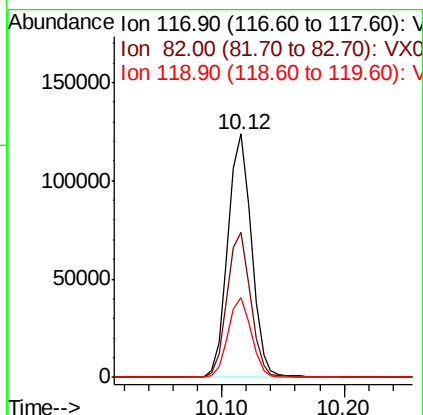
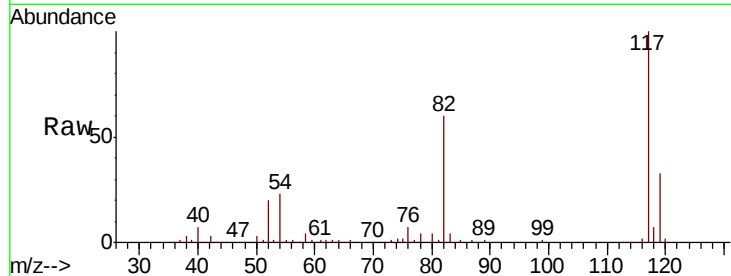




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX005764.D  
Acq: 02 Nov 2018 18:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB114401ZHE#15

Tot Ion:117 Resp: 165760  
Ion Ratio Lower Upper  
117 100  
82 59.8 44.1 66.1  
119 32.5 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX005764.D  
Acq: 02 Nov 2018 18:44

Tgt Ion:152 Resp: 69977  
Ion Ratio Lower Upper  
152 100  
115 59.4 39.4 118.1  
150 156.8 0.0 346.4

