

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110218\  
 Data File : VX005756.D  
 Acq On : 02 Nov 2018 15:08  
 Operator : JC/MD  
 Sample : PB114401ZHE#07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB114401ZHE#07

Quant Time: Nov 03 02:11:23 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

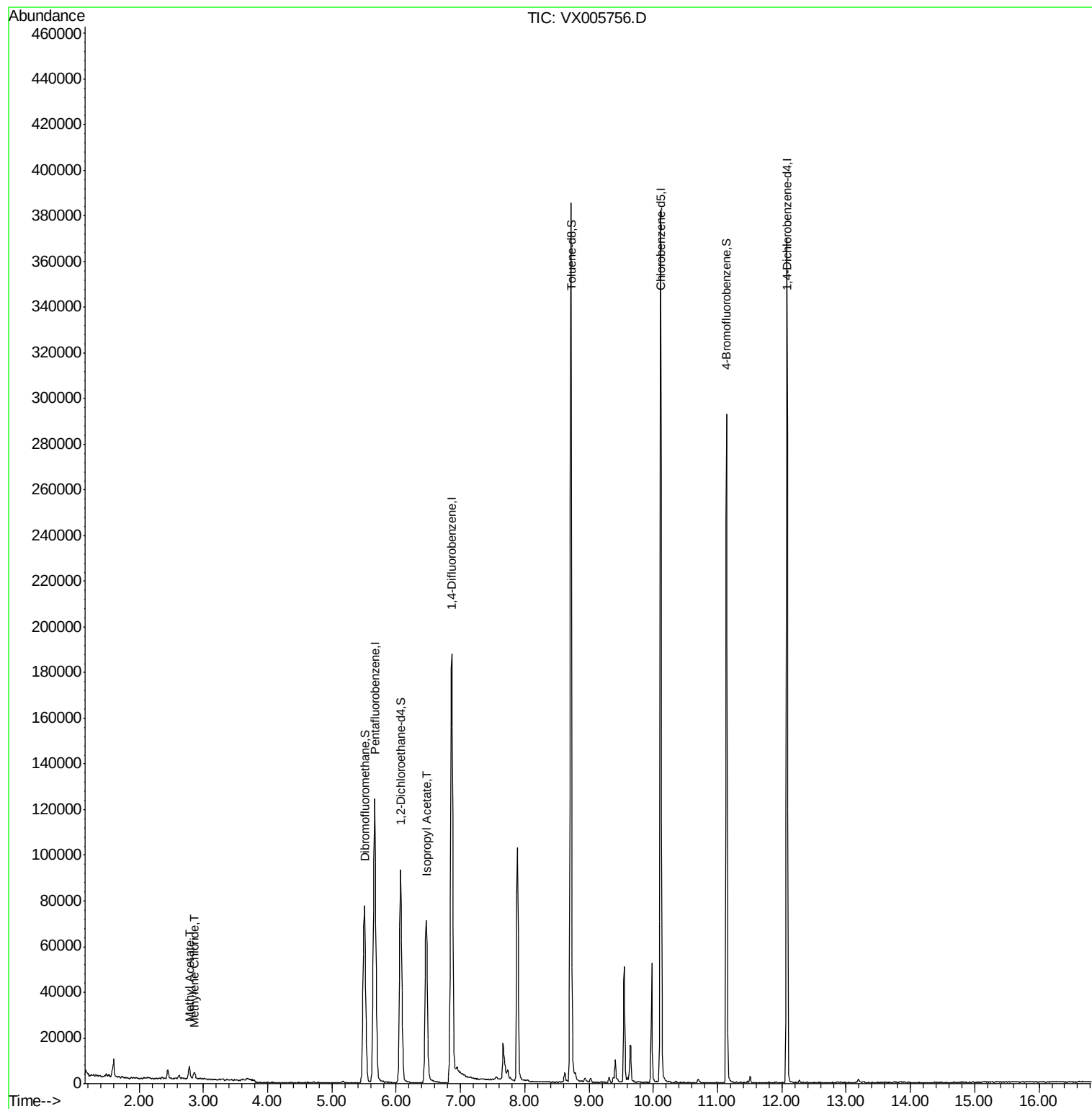
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 108975   | 50.00  | ug/l    | 0.01     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 185064   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 168624   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 70391    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 88669    | 55.65  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.30% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 65254    | 50.92  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.84% |          |
| 50) Toluene-d8              | 8.72  | 98   | 234966   | 52.28  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.56% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 71555    | 43.14  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.28%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 18) Methyl Acetate          | 2.78  | 43   | 6781     | 2.966  | ug/l    | 95       |
| 20) Methylene Chloride      | 2.86  | 84   | 1377     | 1.002  | ug/l #  | 82       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 95998    | 26.293 | ug/l    | 98       |

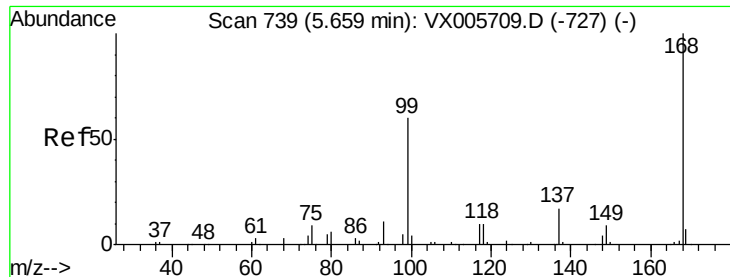
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110218\  
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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# 741

Delta R.T. 0.01 min

Lab File: VX005756.D

Acq: 02 Nov 2018 15:08

Instrument :

MSVOA\_X

ClientSampleId :

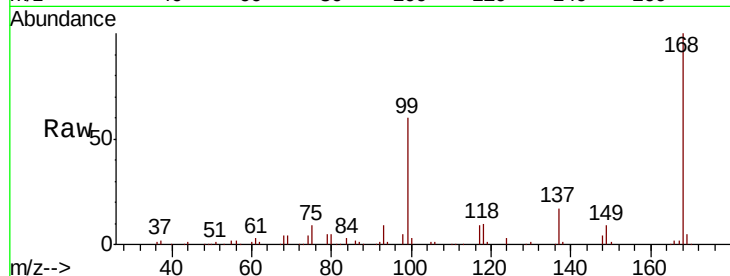
PB114401ZHE#07

Tot Ion:168 Resp: 108975

Ion Ratio Lower Upper

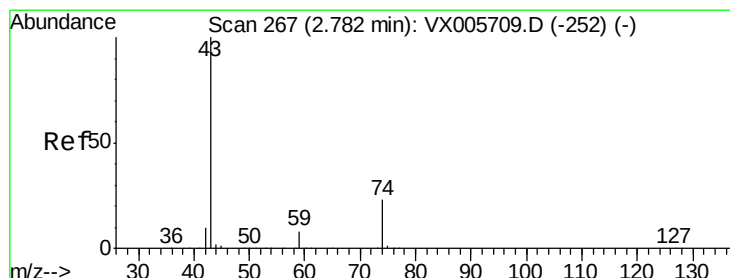
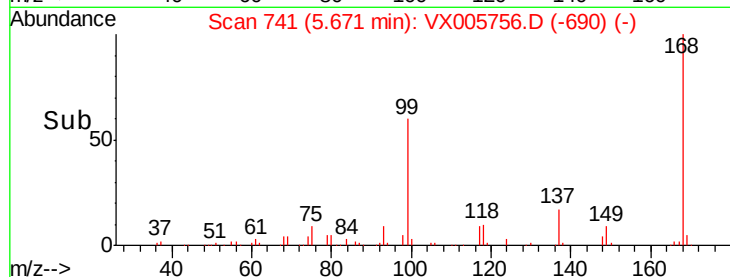
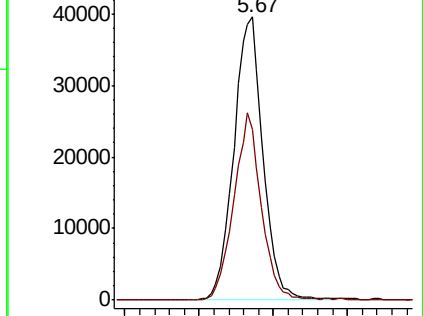
168 100

99 60.5 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: 2.966 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005756.D

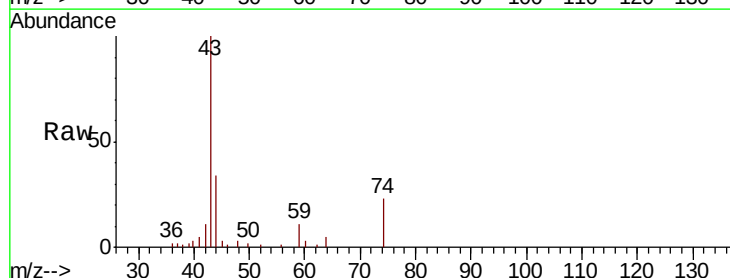
Acq: 02 Nov 2018 15:08

Tgt Ion: 43 Resp: 6781

Ion Ratio Lower Upper

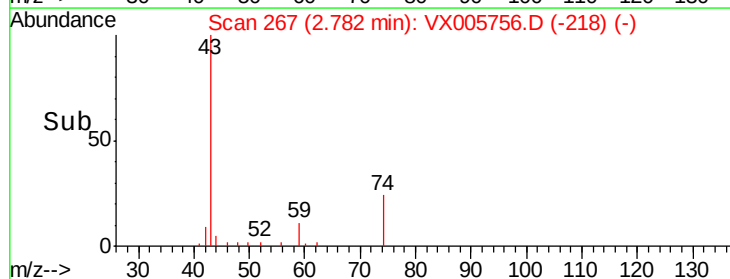
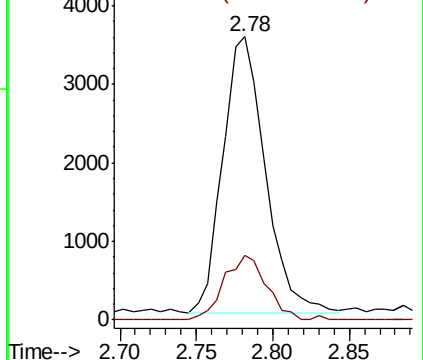
43 100

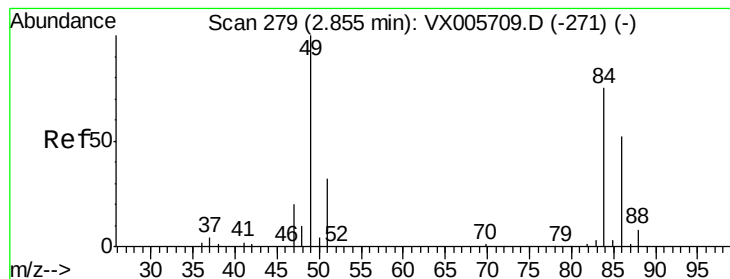
74 23.1 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 1.002 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005756.D

Acq: 02 Nov 2018 15:08

Instrument :

MSVOA\_X

ClientSampleId :

PB114401ZHE#07

Tot Ion: 84 Resp: 1377

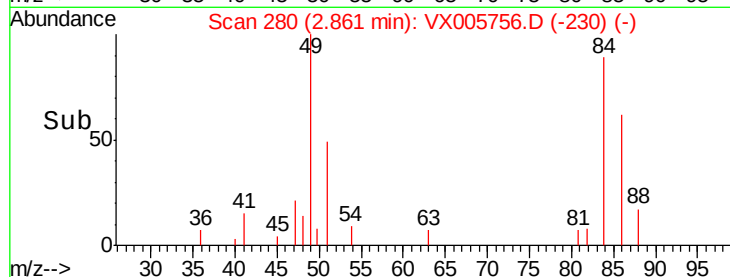
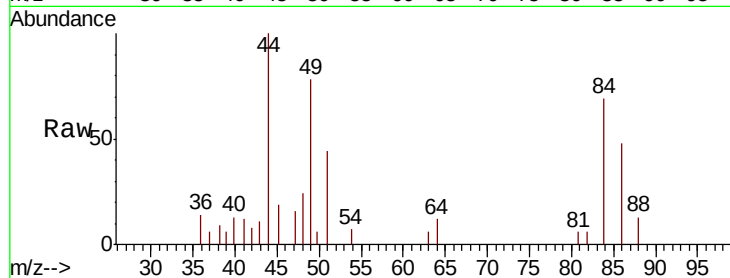
Ion Ratio Lower Upper

84 100

49 113.0 109.5 164.3

51 63.4 33.3 49.9#

86 70.1 52.7 79.1



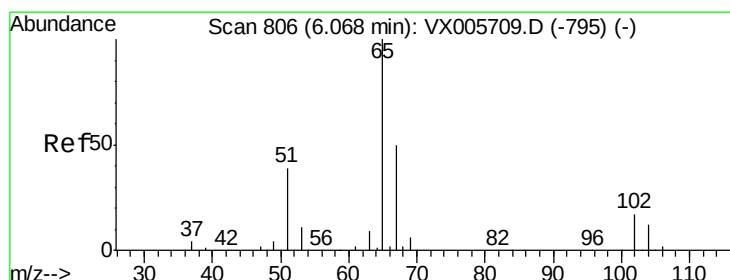
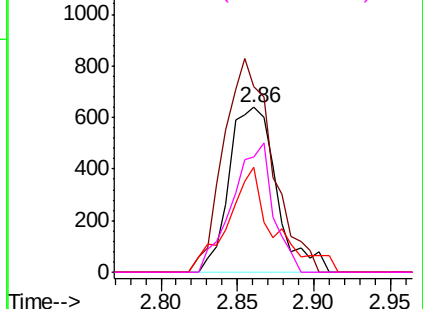
Abundance

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: 55.653 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005756.D

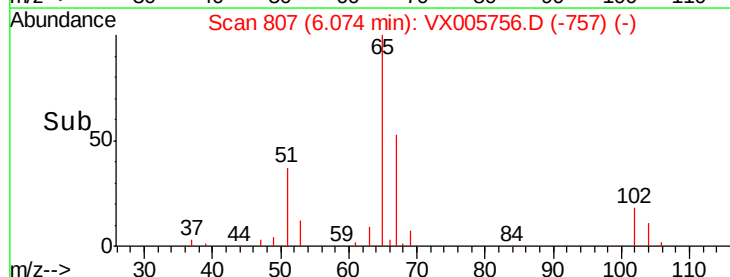
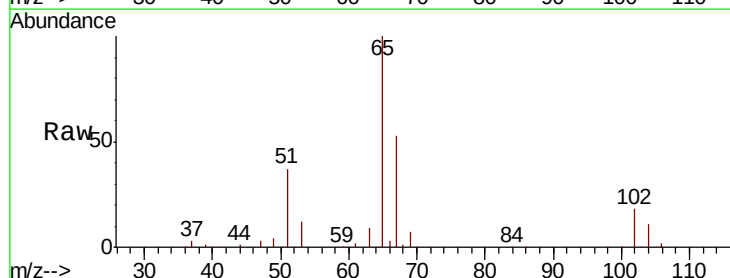
Acq: 02 Nov 2018 15:08

Tgt Ion: 65 Resp: 88669

Ion Ratio Lower Upper

65 100

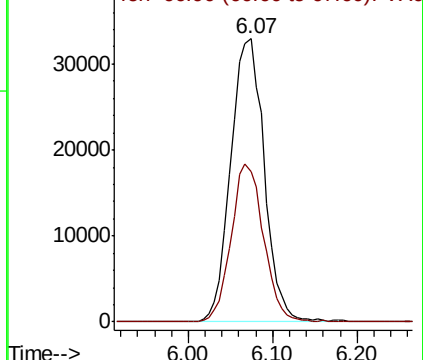
67 54.0 0.0 105.0

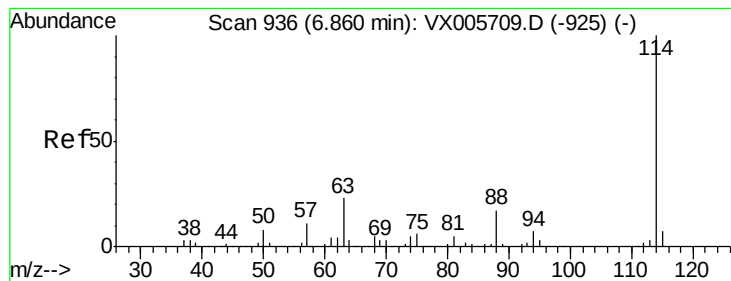


Abundance

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: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX005756.D

Acq: 02 Nov 2018 15:08

Instrument :

MSVOA\_X

ClientSampleId :

PB114401ZHE#07

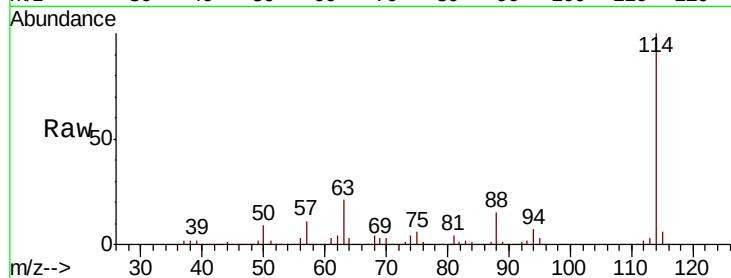
Tot Ion:114 Resp: 185064

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.8

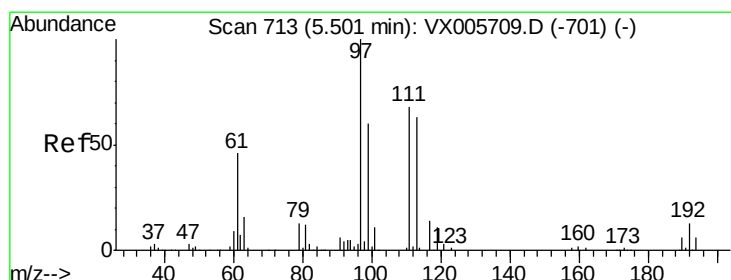
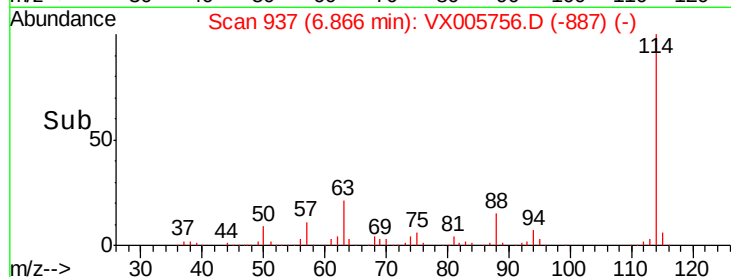
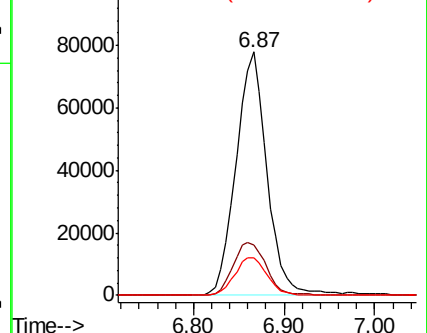
88 15.4 0.0 31.2



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



#35

Dibromofluoromethane

Concen: 50.924 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005756.D

Acq: 02 Nov 2018 15:08

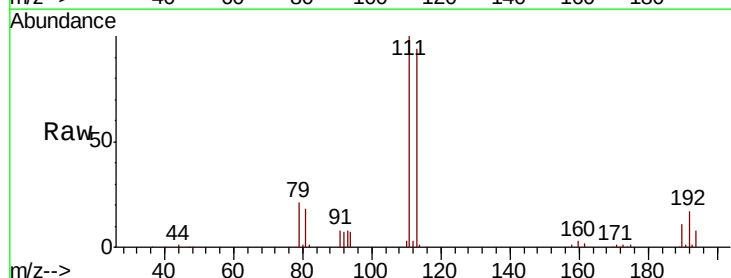
Tgt Ion:113 Resp: 65254

Ion Ratio Lower Upper

113 100

111 106.5 82.3 123.5

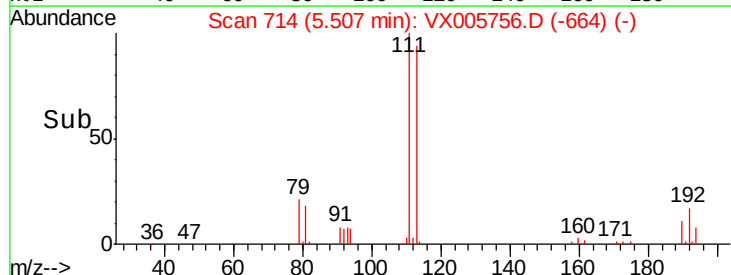
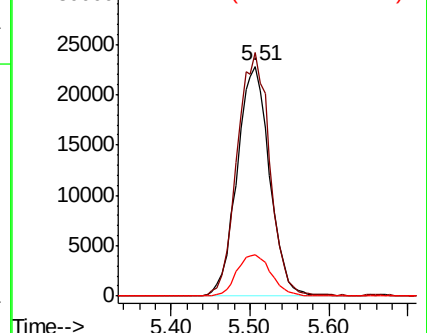
192 19.0 17.9 26.9

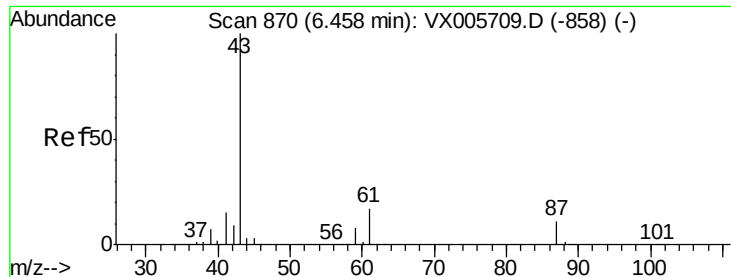


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



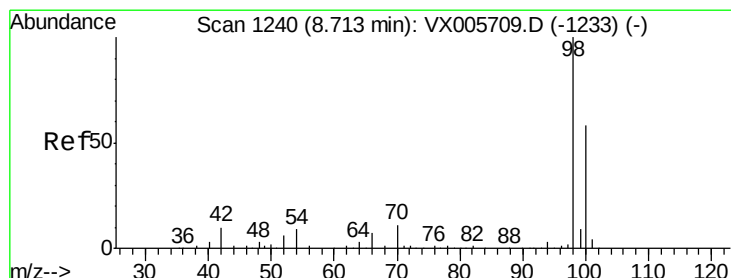
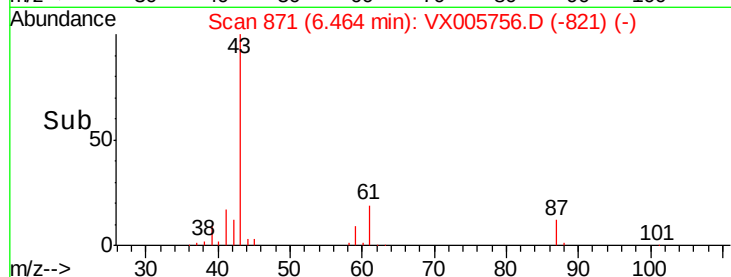
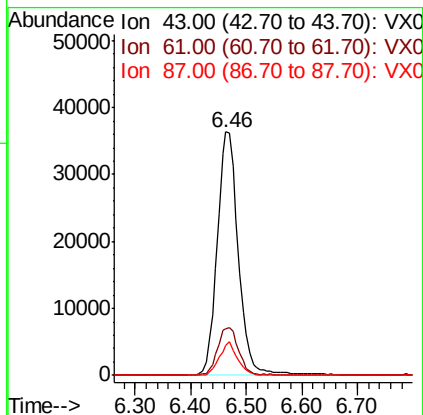
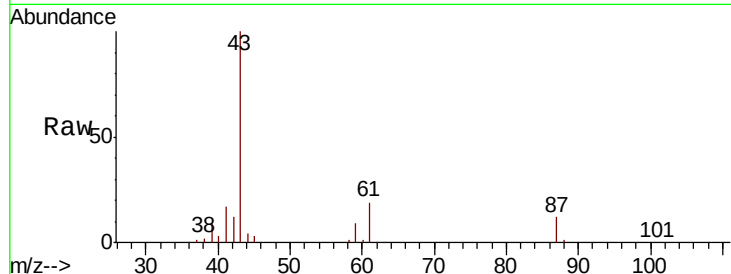


#43

Isopropyl Acetate  
 Concen: 26.293 ug/l  
 RT: 6.46 min Scan# 871  
 Delta R.T. 0.01 min  
 Lab File: VX005756.D  
 Acq: 02 Nov 2018 15:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB114401ZHE#07

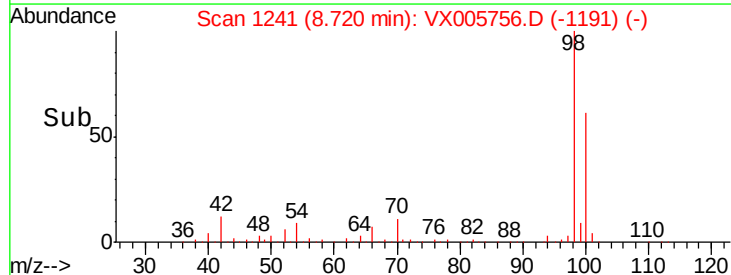
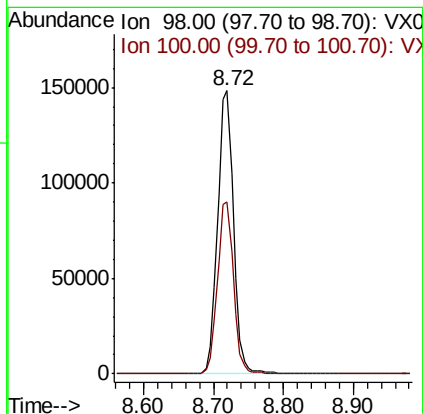
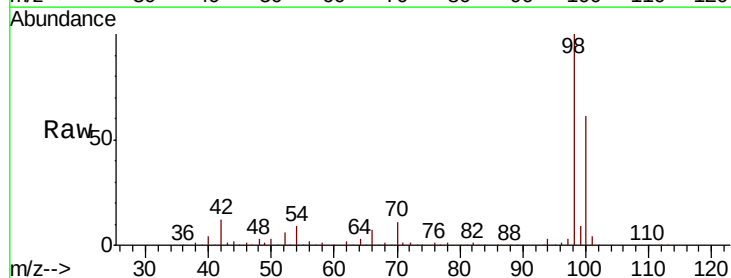
| Tot Ion   | 43    | Resp  | 95998 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 19.2  | 14.6  | 22.0  |
| 87        | 11.8  | 9.6   | 14.4  |

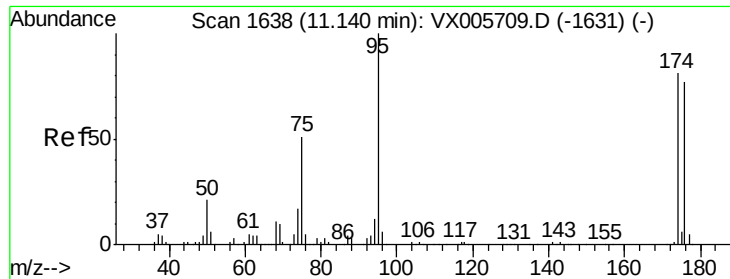


#50

Toluene-d8  
 Concen: 52.281 ug/l  
 RT: 8.72 min Scan# 1241  
 Delta R.T. 0.01 min  
 Lab File: VX005756.D  
 Acq: 02 Nov 2018 15:08

| Tgt Ion   | 98    | Resp  | 234966 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 61.4  | 51.3  | 76.9   |

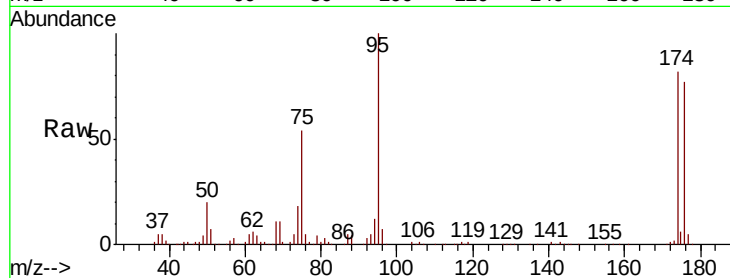




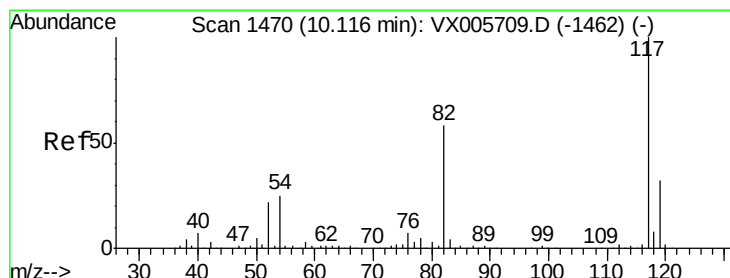
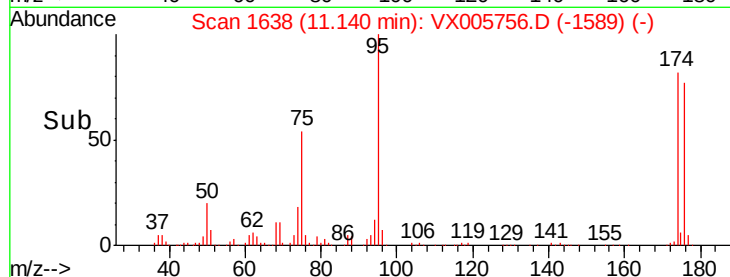
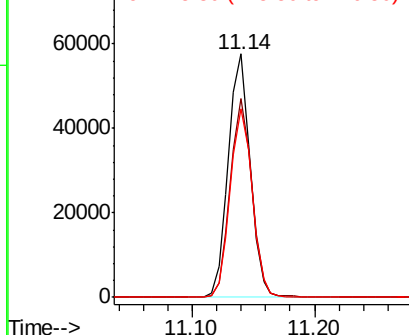
#62  
4-Bromofluorobenzene  
Concen: 43.139 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. -0.00 min  
Lab File: VX005756.D  
Acq: 02 Nov 2018 15:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB114401ZHE#07

Tot Ion: 95 Resp: 71555  
Ion Ratio Lower Upper  
95 100  
174 81.2 0.0 184.4  
176 77.8 0.0 177.4

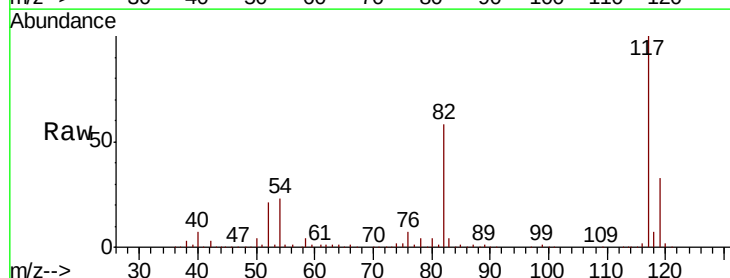


Abundance Ion 94.90 (94.60 to 95.60): VX0  
Ion 173.80 (173.50 to 174.50): V  
Ion 175.80 (175.50 to 176.50): V

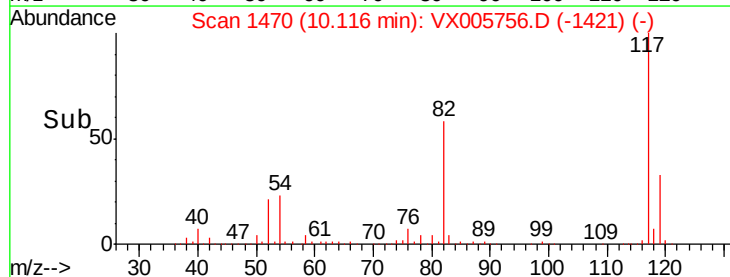
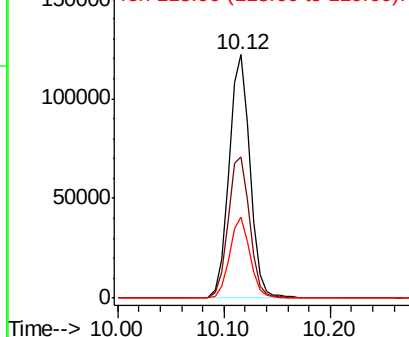


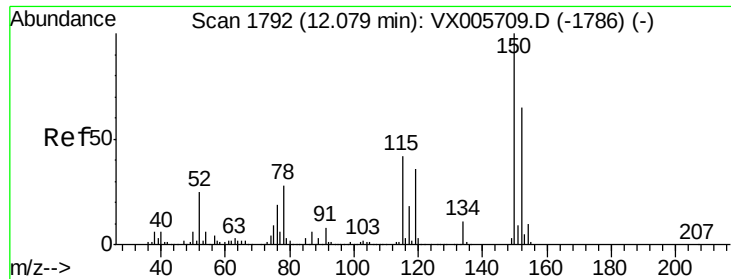
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX005756.D  
Acq: 02 Nov 2018 15:08

Tgt Ion: 117 Resp: 168624  
Ion Ratio Lower Upper  
117 100  
82 58.1 44.1 66.1  
119 33.0 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: VX005756.D

Acq: 02 Nov 2018 15:08

Instrument :

MSVOA\_X

ClientSampleId :

PB114401ZHE#07

Tot Ion:152 Resp: 70391

Ion Ratio Lower Upper

152 100

115 59.9 39.4 118.1

150 156.8 0.0 346.4

