

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022819\  
 Data File : VX007756.D  
 Acq On : 28 Feb 2019 10:31  
 Operator : JC/SP  
 Sample : VX0228WBL01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0228WBL01

Quant Time: Mar 01 01:46:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X022519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 26 01:53:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 314817   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 489876   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 457356   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 215481   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 190798   | 48.93 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.86% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 161309   | 49.26 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.52% |      |
| 50) Toluene-d8              | 8.71   | 98  | 597809   | 47.68 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.36% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 209496   | 45.53 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.06% |      |

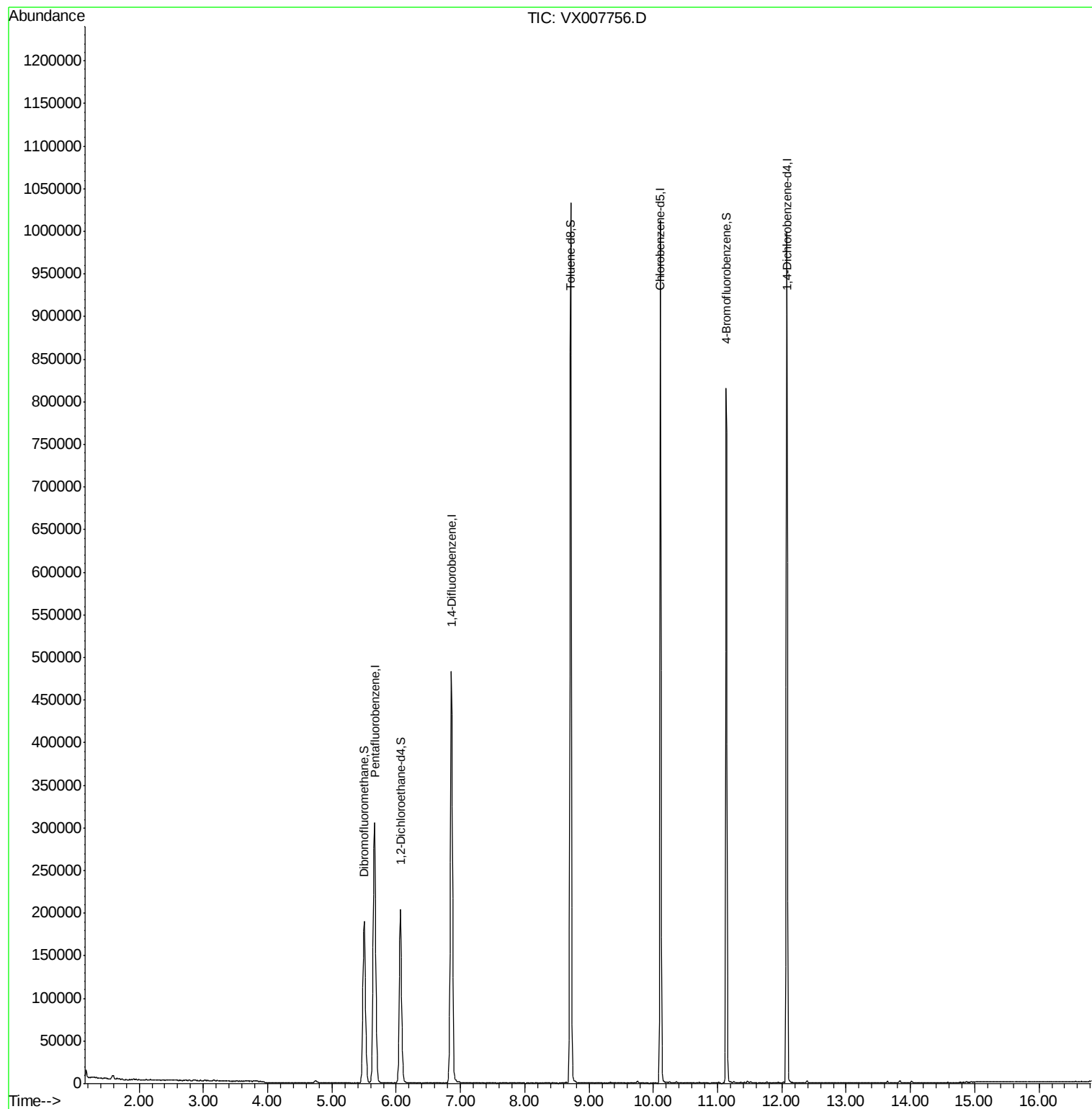
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

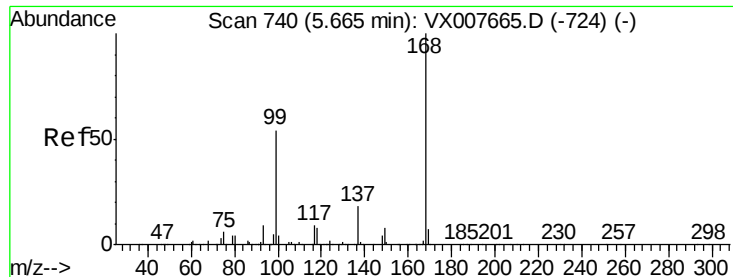
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampled :  
VX0228WBL01

Quant Time: Mar 01 01:46:03 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X022519W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 26 01:53:13 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007756.D

Acq: 28 Feb 2019 10:31

Instrument :

MSVOA\_X

ClientSampleId :

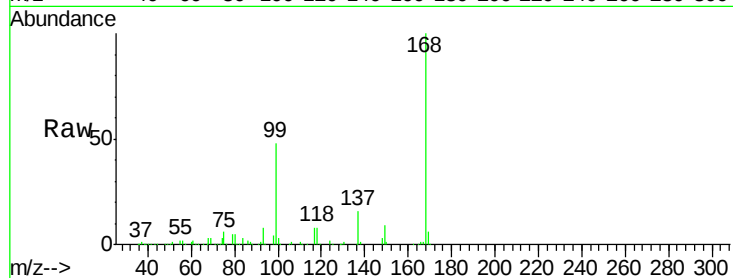
VX0228WBL01

Tot Ion:168 Resp: 314817

Ion Ratio Lower Upper

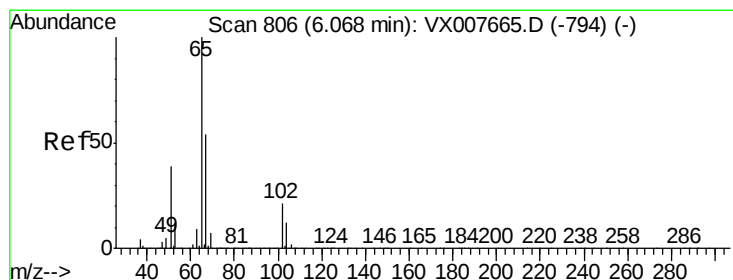
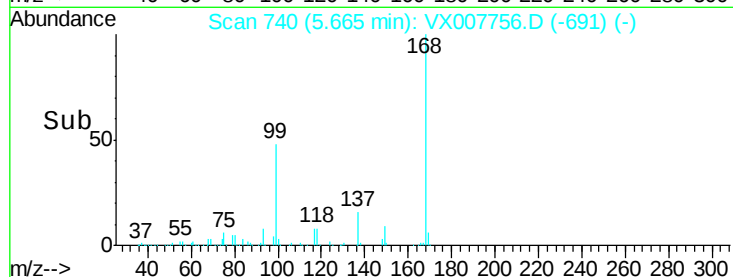
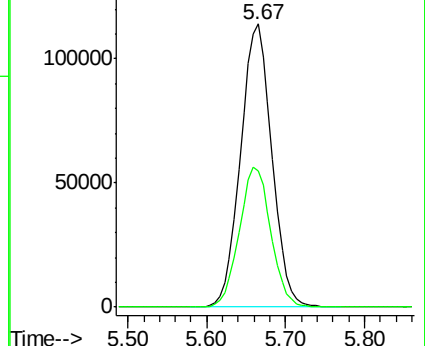
168 100

99 48.3 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.928 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007756.D

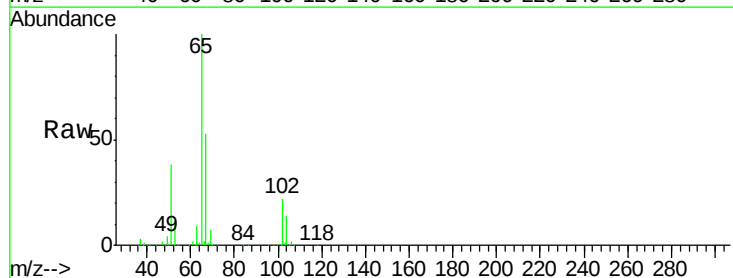
Acq: 28 Feb 2019 10:31

Tgt Ion: 65 Resp: 190798

Ion Ratio Lower Upper

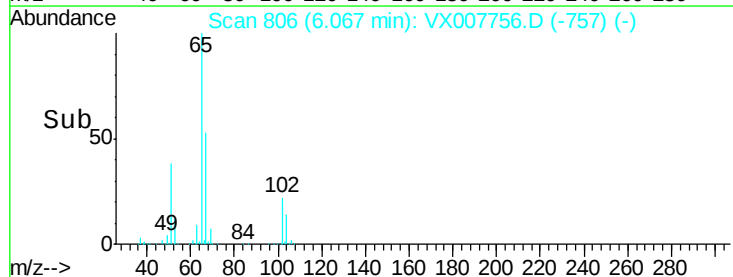
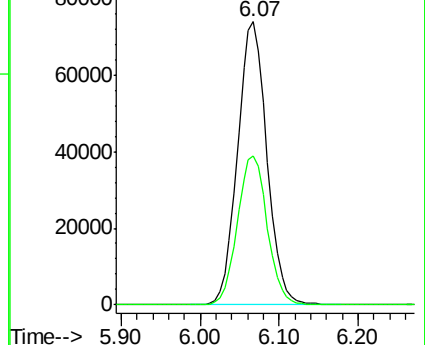
65 100

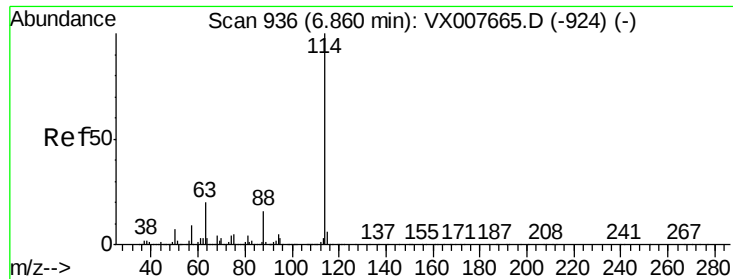
67 53.4 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007756.D

Acq: 28 Feb 2019 10:31

Instrument :

MSVOA\_X

ClientSampled :

VX0228WBL01

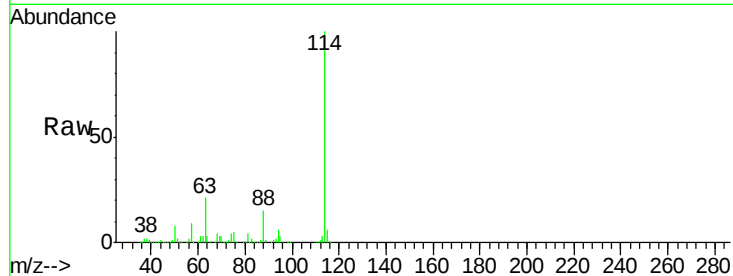
Tot Ion:114 Resp: 489876

Ion Ratio Lower Upper

114 100

63 20.6 0.0 35.6

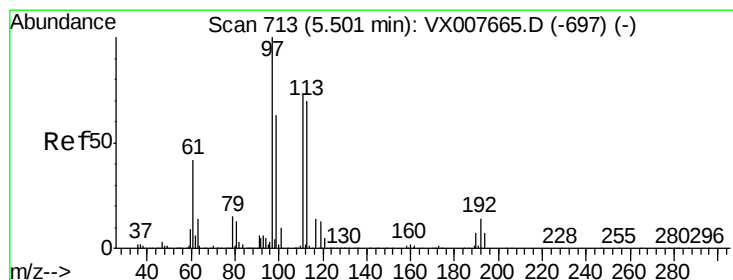
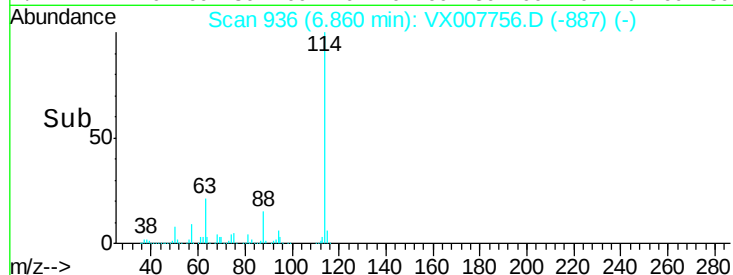
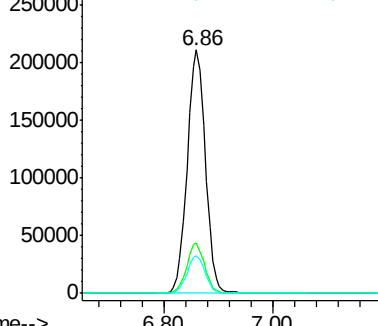
88 15.3 0.0 29.6



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: 49.260 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007756.D

Acq: 28 Feb 2019 10:31

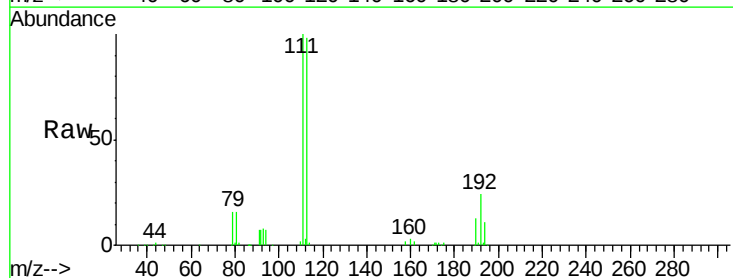
Tgt Ion:113 Resp: 161309

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

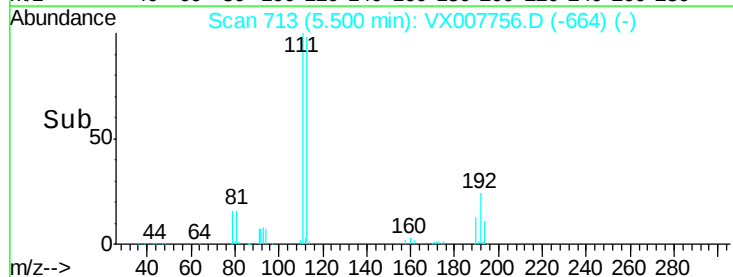
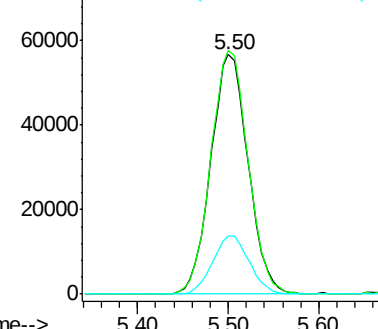
192 24.0 18.5 27.7



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

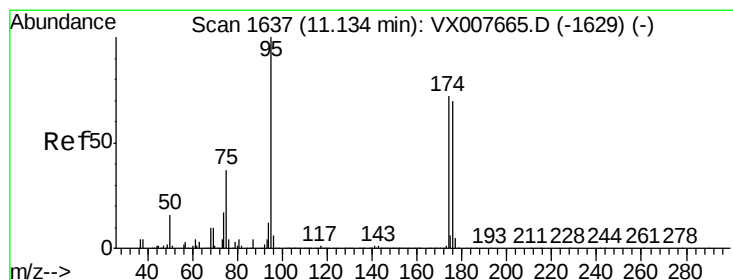
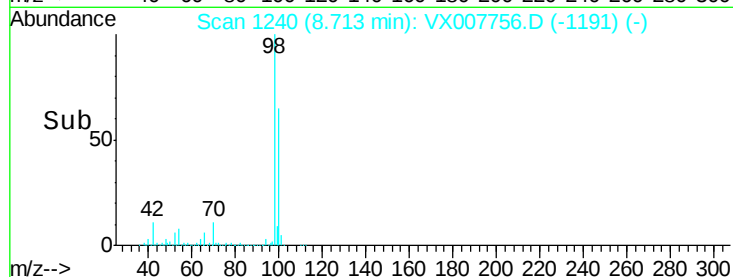
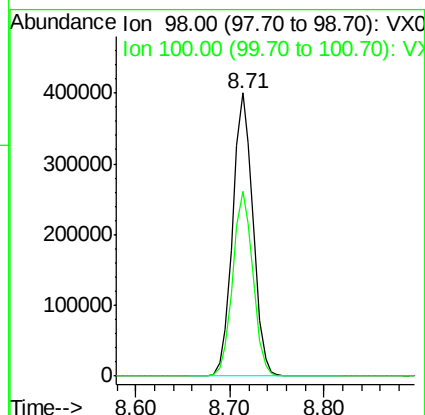
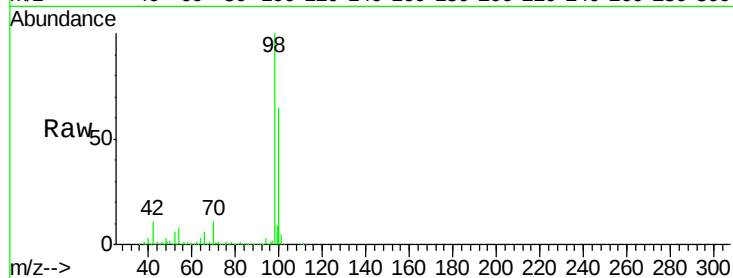




#50  
Toluene-d8  
Concen: 47.685 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX007756.D  
Acq: 28 Feb 2019 10:31

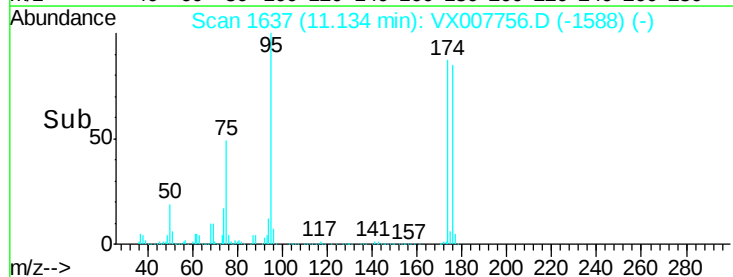
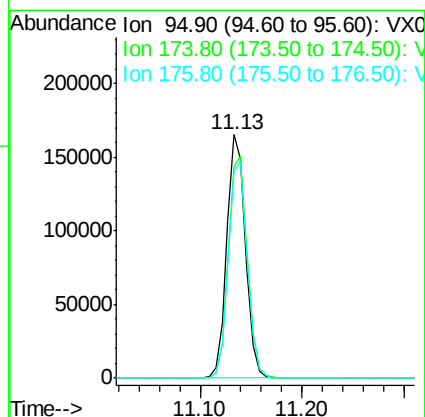
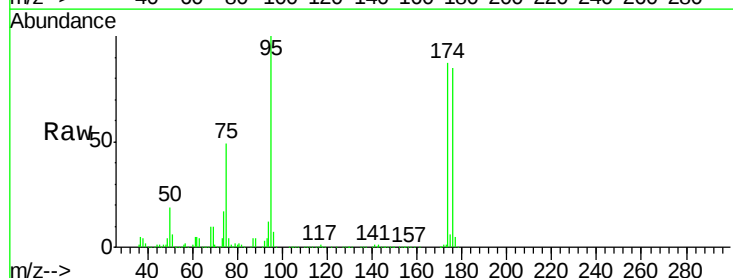
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBL01

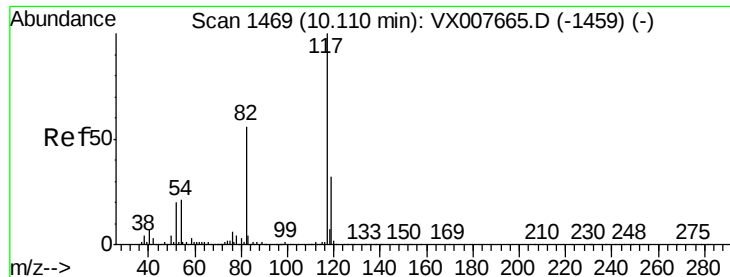
Tot Ion: 98 Resp: 597809  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 45.529 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: VX007756.D  
Acq: 28 Feb 2019 10:31

Tgt Ion: 95 Resp: 209496  
Ion Ratio Lower Upper  
95 100  
174 92.8 0.0 189.2  
176 90.1 0.0 186.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007756.D

Acq: 28 Feb 2019 10:31

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBL01

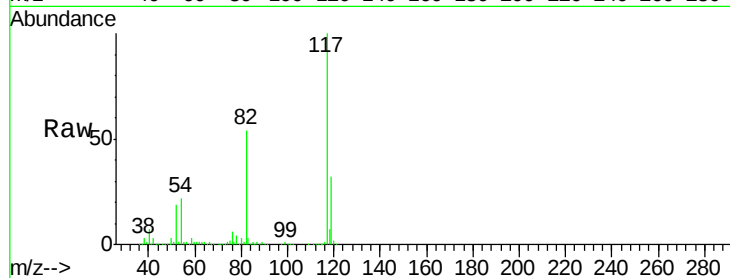
Tot Ion:117 Resp: 457356

Ion Ratio Lower Upper

117 100

82 54.1 42.1 63.1

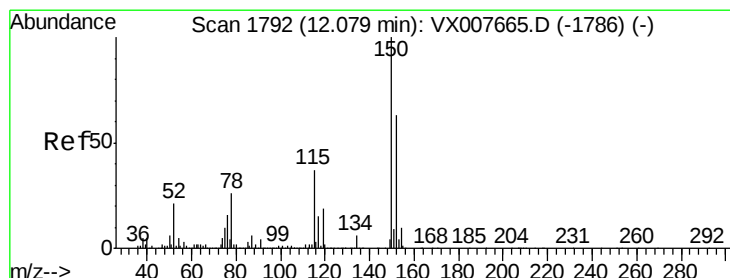
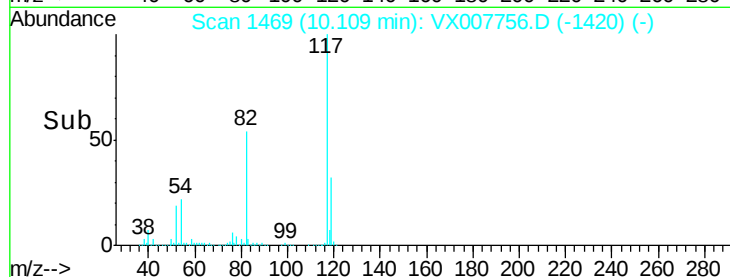
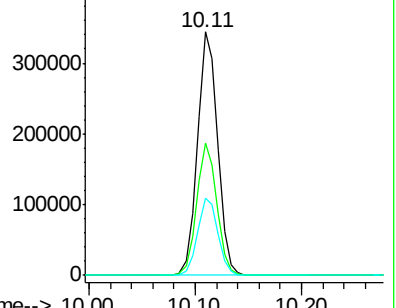
119 31.8 26.5 39.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VX007756.D

Acq: 28 Feb 2019 10:31

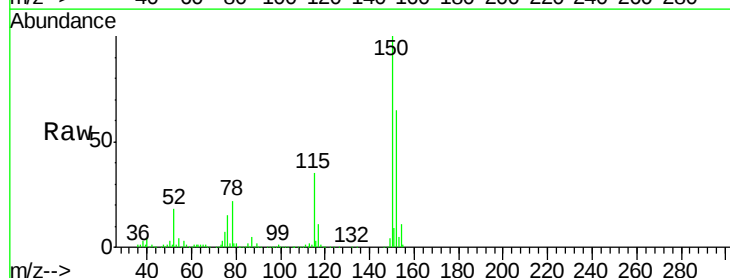
Tgt Ion:152 Resp: 215481

Ion Ratio Lower Upper

152 100

115 55.1 38.0 114.0

150 155.1 0.0 346.4



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

