

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\  
 Data File : VX010017.D  
 Acq On : 01 Jun 2019 04:52  
 Operator : JC/SP  
 Sample : K3129-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF012MW147-190528

Quant Time: Jun 01 07:00:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052819W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 29 04:00:56 2019  
 Response via : Initial Calibration

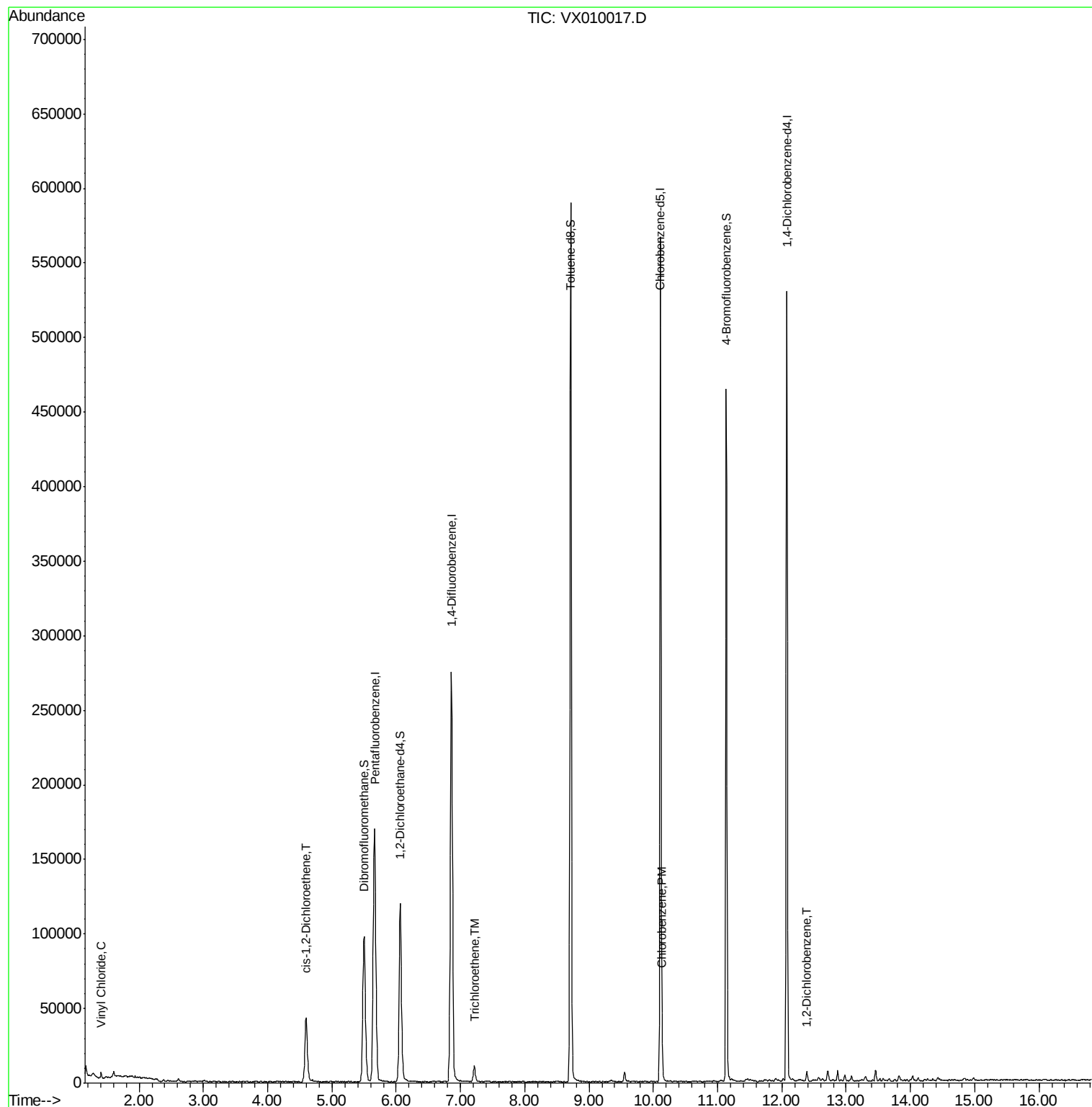
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 167297   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 267593   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 243363   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 107322   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 113405   | 47.99  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.98% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 83446    | 49.60  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.20% |          |
| 50) Toluene-d8              | 8.71  | 98   | 340677   | 49.87  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.74% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 117135   | 47.74  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.48% |          |
| Target Compounds            |       |      |          |        |        |          |
|                             |       |      |          |        | Qvalue |          |
| 4) Vinyl Chloride           | 1.41  | 62   | 2485     | 1.003  | ug/l   | 91       |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 26918    | 12.370 | ug/l   | 87       |
| 44) Trichloroethene         | 7.22  | 130  | 3917     | 2.002  | ug/l   | 81       |
| 65) Chlorobenzene           | 10.14 | 112  | 8624     | 1.693  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene     | 12.39 | 146  | 1576     | 0.445  | ug/l   | 96       |

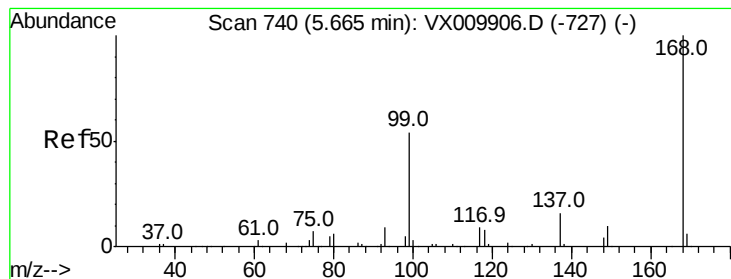
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX053119\  
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MSVOA\_X  
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LF012MW147-190528

Quant Time: Jun 01 07:00:54 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X052819W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 29 04:00:56 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: VX010017.D

Acq: 01 Jun 2019 04:52

Instrument :

MSVOA\_X

ClientSampleId :

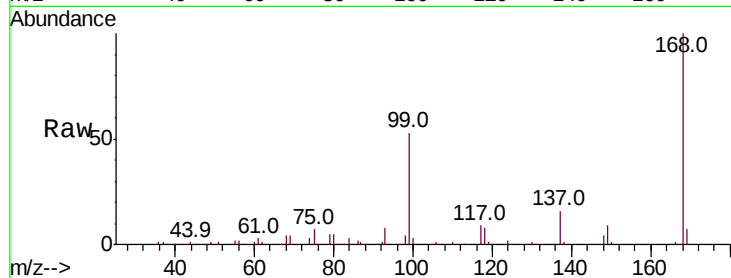
LF012MW147-190528

Tot Ion:168 Resp: 167297

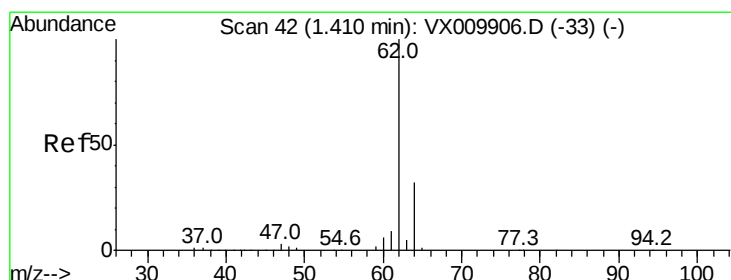
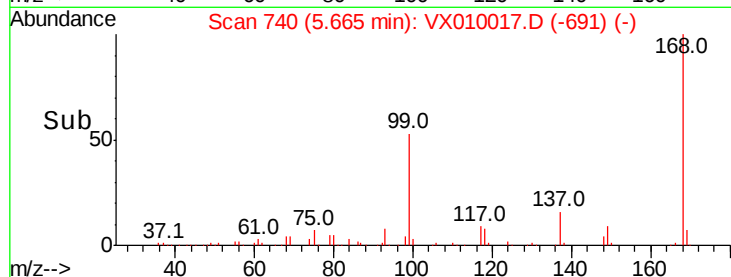
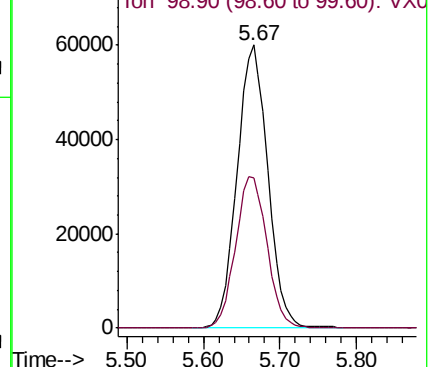
Ion Ratio Lower Upper

168 100

99 53.3 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V



#4

Vinyl Chloride

Concen: 1.003 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010017.D

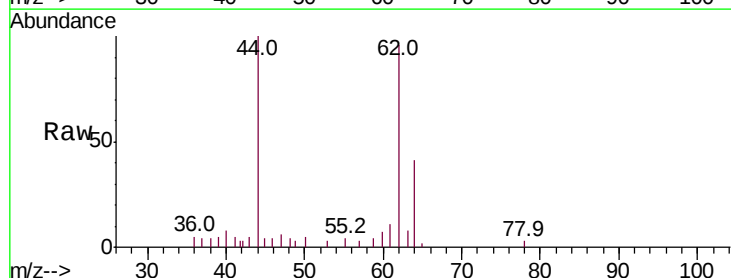
Acq: 01 Jun 2019 04:52

Tgt Ion: 62 Resp: 2485

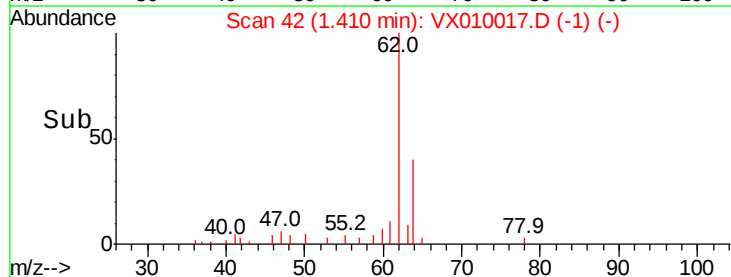
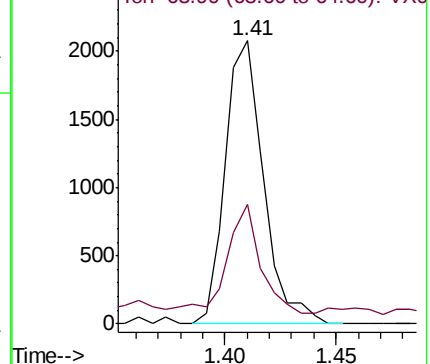
Ion Ratio Lower Upper

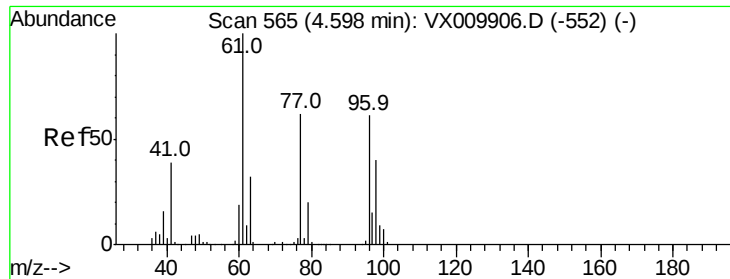
62 100

64 37.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0



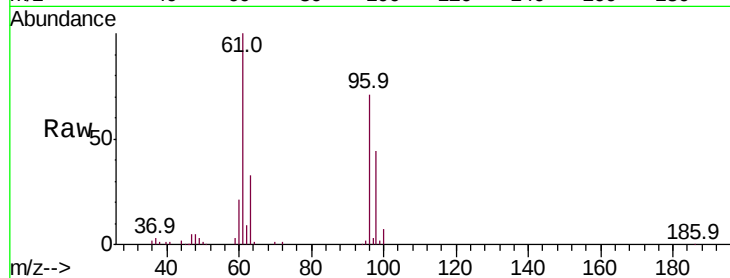


#27

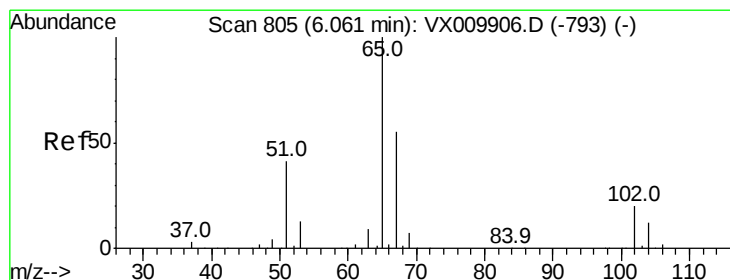
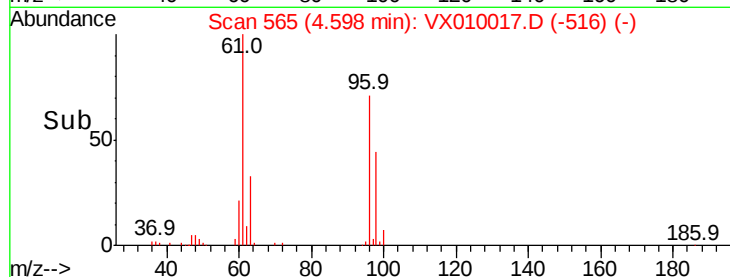
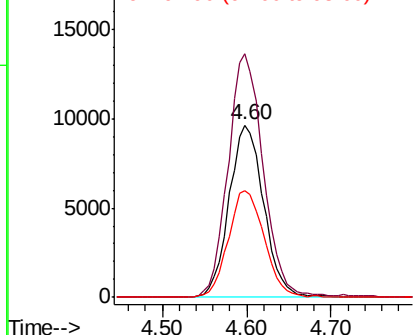
cis-1,2-Dichloroethene  
Concen: 12.370 ug/l  
RT: 4.60 min Scan# 565  
Delta R.T. 0.00 min  
Lab File: VX010017.D  
Acq: 01 Jun 2019 04:52

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF012MW147-190528

Tot Ion: 96 Resp: 26918  
Ion Ratio Lower Upper  
96 100  
61 143.7 0.0 334.0  
98 64.3 0.0 131.6



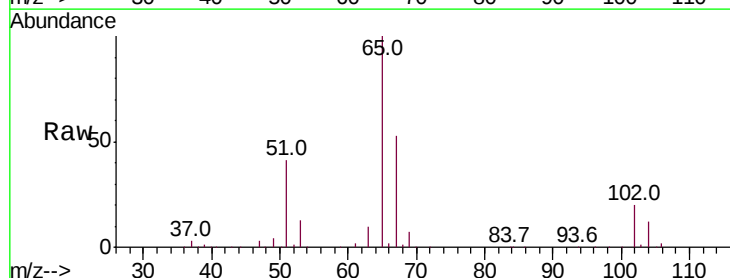
Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



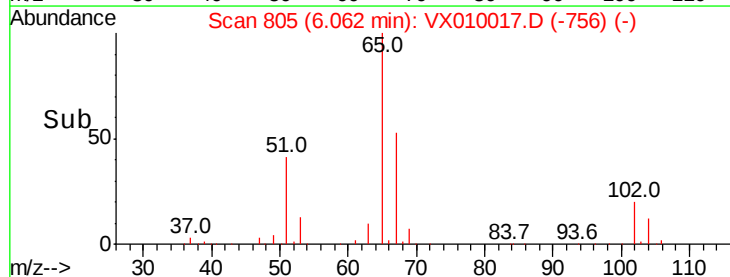
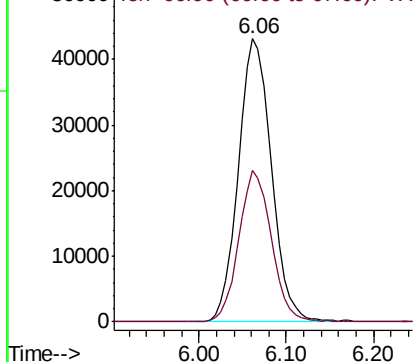
#33

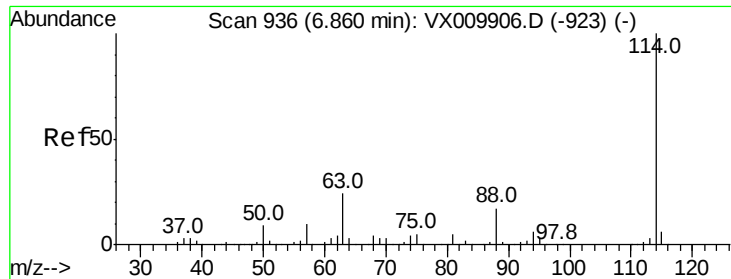
1,2-Dichloroethane-d4  
Concen: 47.988 ug/l  
RT: 6.06 min Scan# 805  
Delta R.T. 0.00 min  
Lab File: VX010017.D  
Acq: 01 Jun 2019 04:52

Tgt Ion: 65 Resp: 113405  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 108.4



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

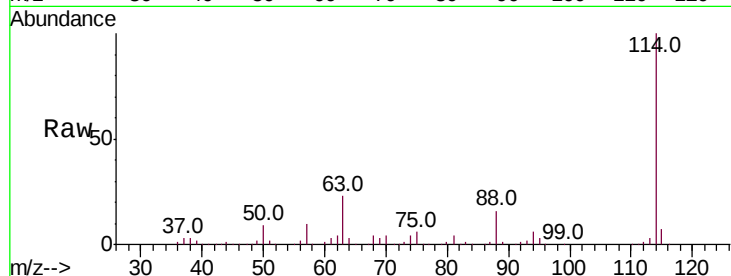




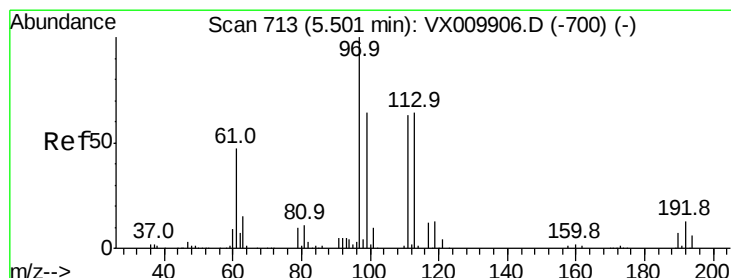
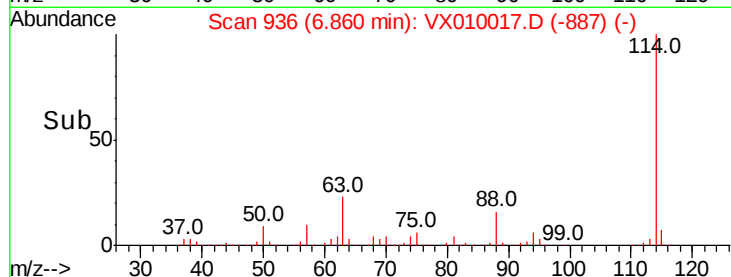
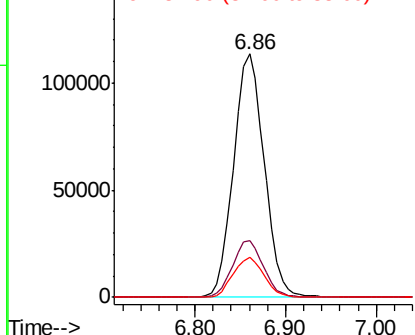
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX010017.D  
 Acq: 01 Jun 2019 04:52

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF012MW147-190528

Tot Ion:114 Resp: 267593  
 Ion Ratio Lower Upper  
 114 100  
 63 23.4 0.0 47.4  
 88 16.3 0.0 33.0

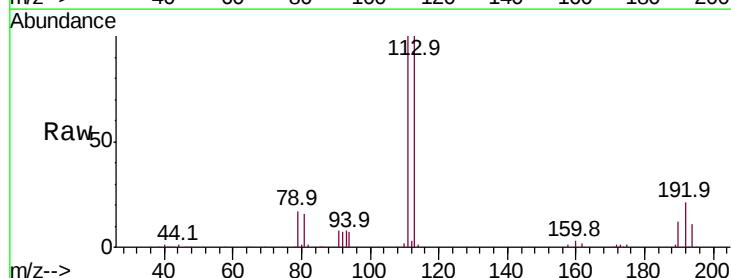


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

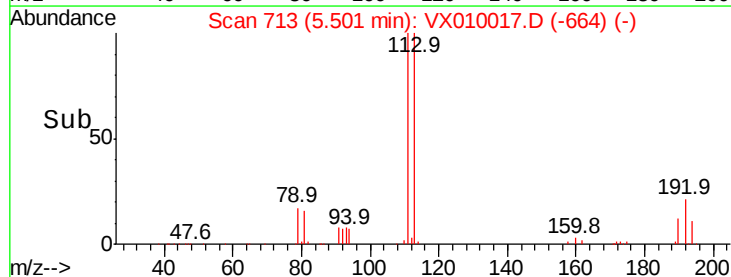
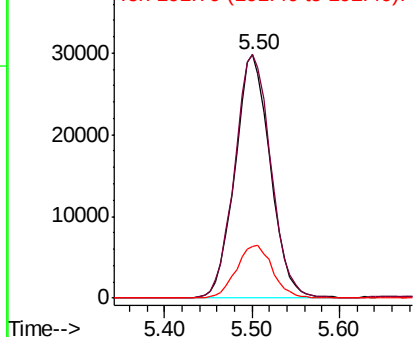


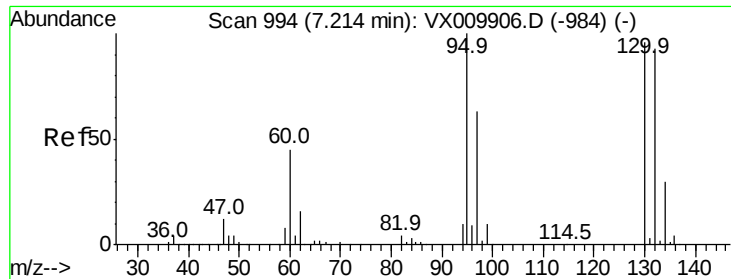
#35  
 Dibromofluoromethane  
 Concen: 49.600 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX010017.D  
 Acq: 01 Jun 2019 04:52

Tgt Ion:113 Resp: 83446  
 Ion Ratio Lower Upper  
 113 100  
 111 103.0 82.2 123.2  
 192 22.2 17.1 25.7



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

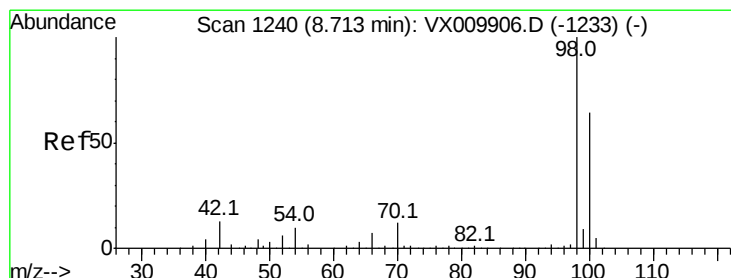
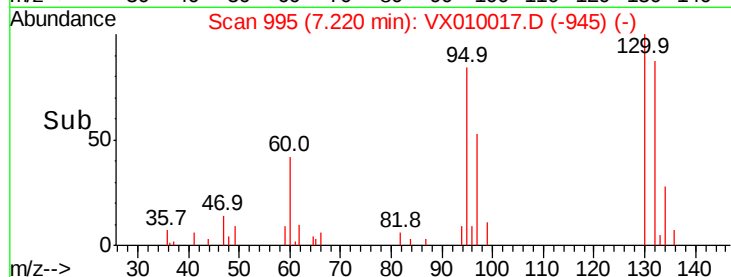
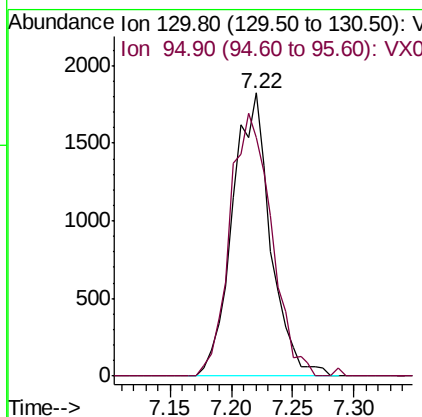
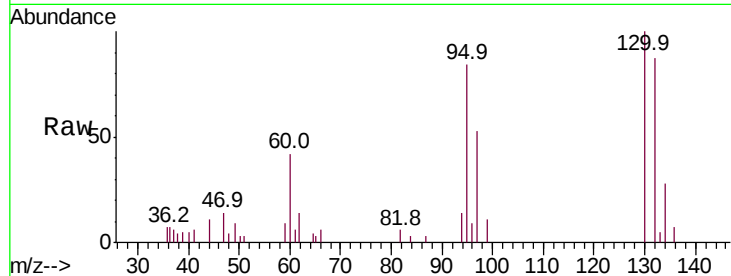




#44  
 Trichloroethene  
 Concen: 2.002 ug/l  
 RT: 7.22 min Scan# 995  
 Delta R.T. 0.01 min  
 Lab File: VX010017.D  
 Acq: 01 Jun 2019 04:52

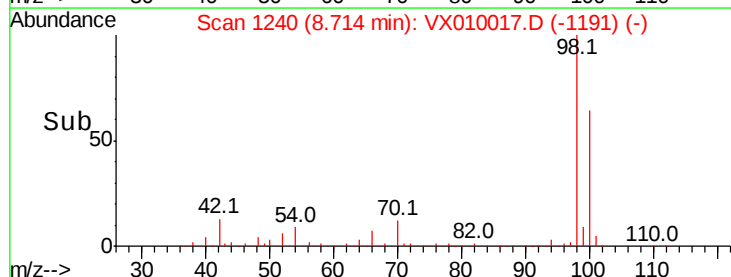
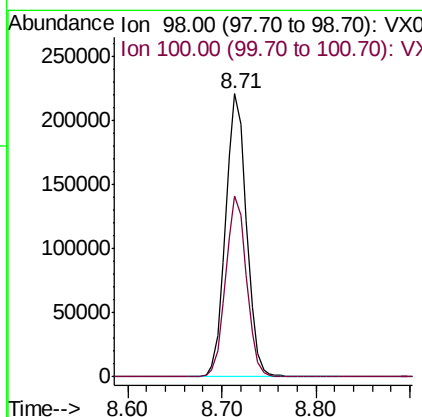
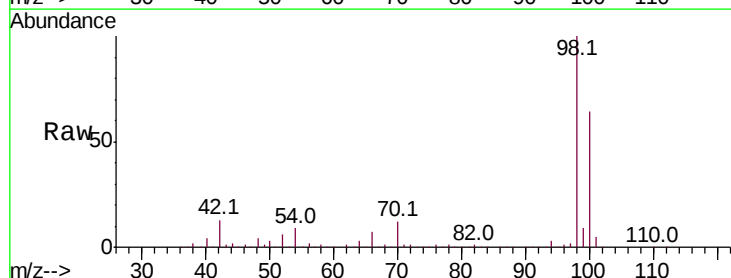
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF012MW147-190528

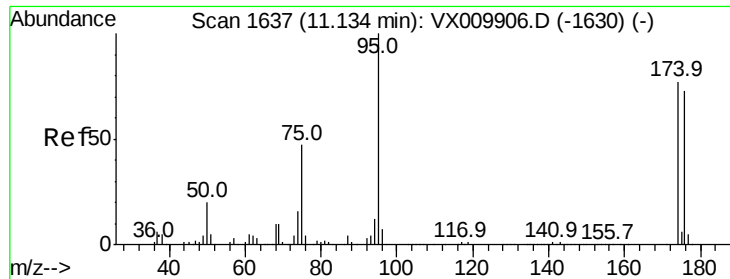
Tot Ion:130 Resp: 3917  
 Ion Ratio Lower Upper  
 130 100  
 95 84.1 0.0 207.4



#50  
 Toluene-d8  
 Concen: 49.867 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX010017.D  
 Acq: 01 Jun 2019 04:52

Tgt Ion: 98 Resp: 340677  
 Ion Ratio Lower Upper  
 98 100  
 100 63.8 51.5 77.3

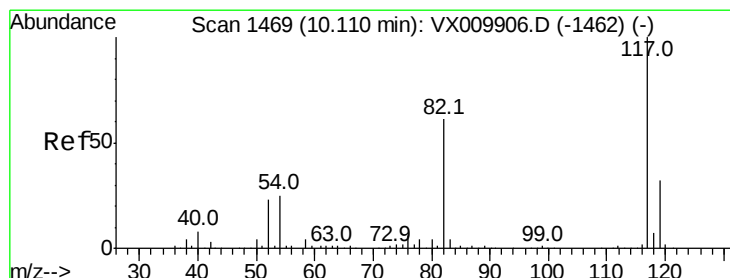
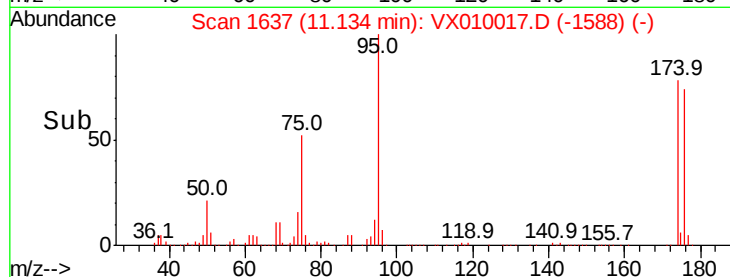
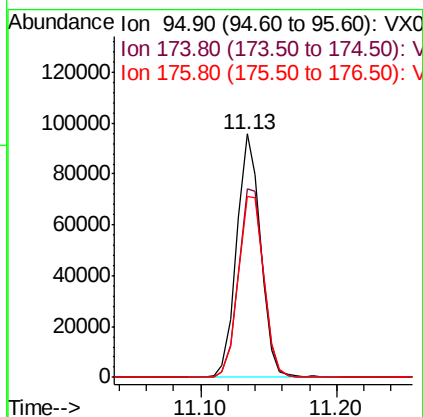
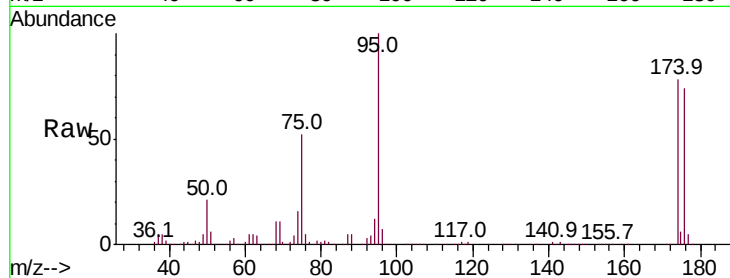




#62  
4-Bromofluorobenzene  
Concen: 47.736 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX010017.D  
Acq: 01 Jun 2019 04:52

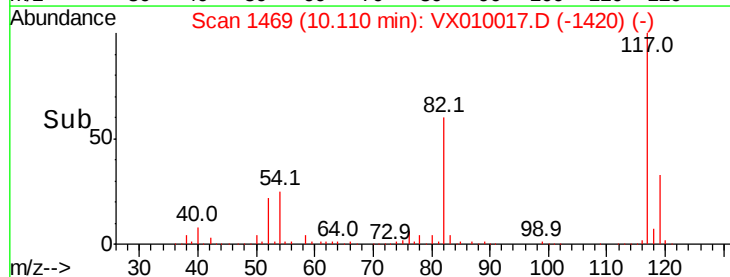
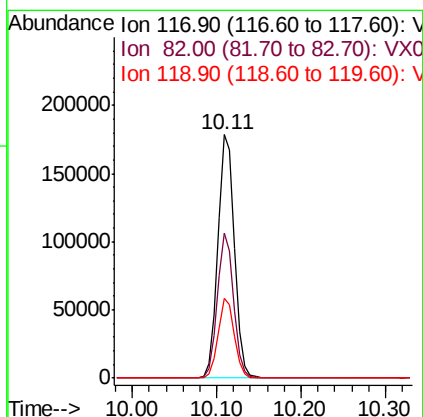
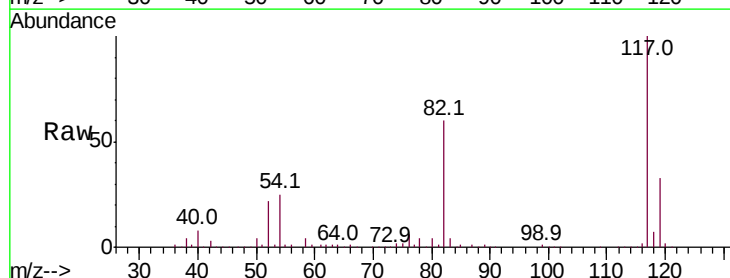
Instrument :  
MSVOA\_X  
ClientSampleId :  
LF012MW147-190528

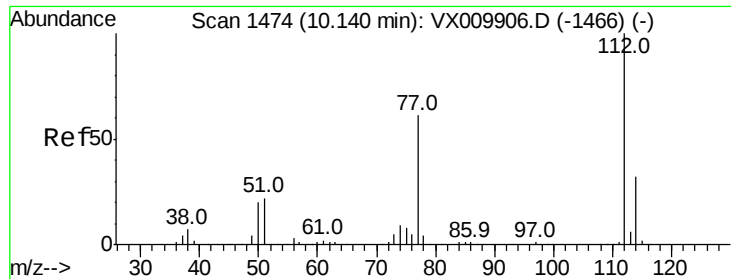
Tot Ion: 95 Resp: 117135  
Ion Ratio Lower Upper  
95 100  
174 81.5 0.0 160.4  
176 79.5 0.0 154.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX010017.D  
Acq: 01 Jun 2019 04:52

Tgt Ion: 117 Resp: 243363  
Ion Ratio Lower Upper  
117 100  
82 59.7 49.2 73.8  
119 32.9 25.2 37.8





#65

Chlorobenzene

Concen: 1.693 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX010017.D

Acq: 01 Jun 2019 04:52

Instrument :

MSVOA\_X

ClientSampleId :

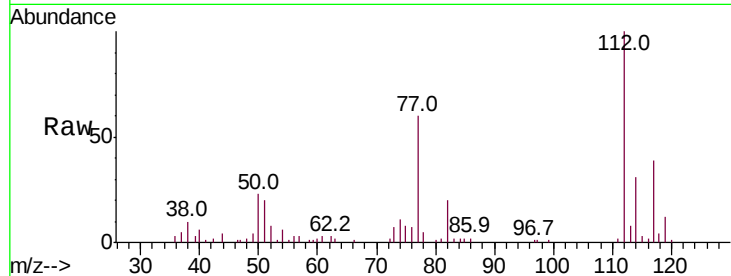
LF012MW147-190528

Tot Ion:112 Resp: 8624

Ion Ratio Lower Upper

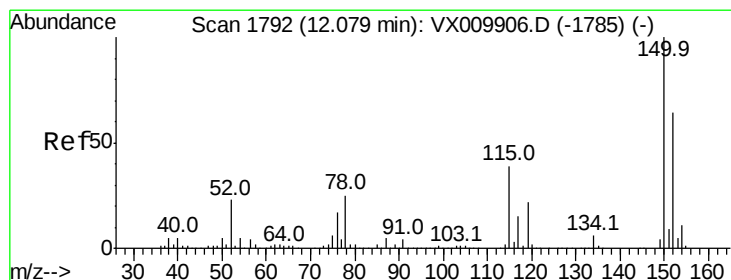
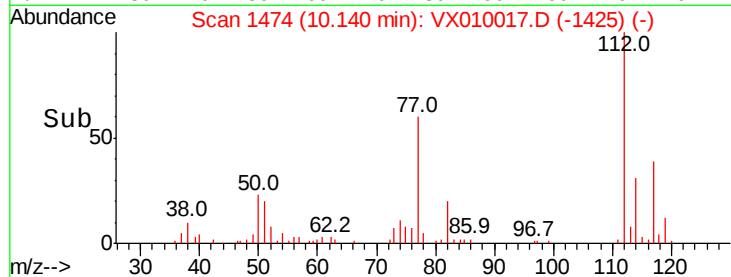
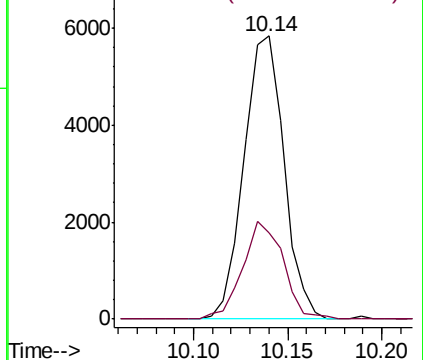
112 100

114 30.7 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VX010017.D

Acq: 01 Jun 2019 04:52

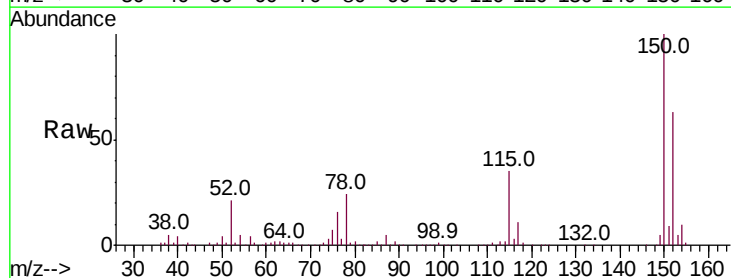
Tgt Ion:152 Resp: 107322

Ion Ratio Lower Upper

152 100

115 57.6 41.4 124.2

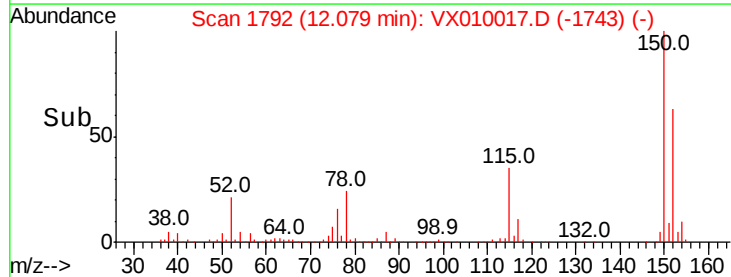
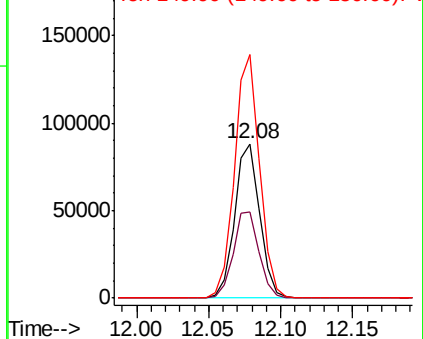
150 157.8 0.0 345.2

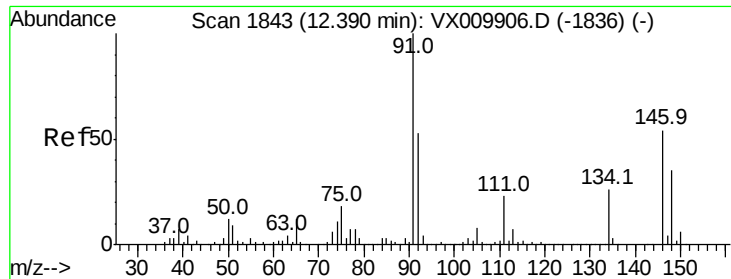


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

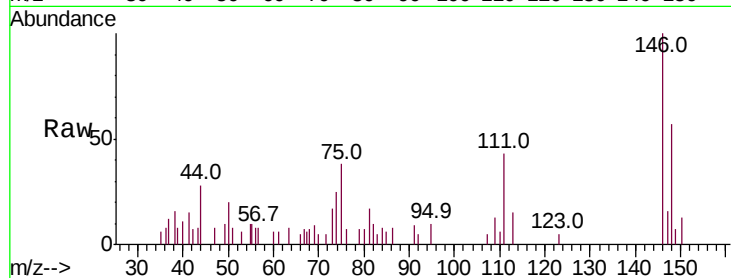




#91  
 1,2-Dichlorobenzene  
 Concen: 0.445 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. 0.00 min  
 Lab File: VX010017.D  
 Acq: 01 Jun 2019 04:52

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF012MW147-190528

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.3  | 21.1  | 63.1  |
| 148     | 59.8  | 32.3  | 96.8  |



Abundance Ion 145.90 (145.60 to 146.60): V  
 1500 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

