

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\  
 Data File : VX010010.D  
 Acq On : 01 Jun 2019 02:08  
 Operator : JC/SP  
 Sample : K3129-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF012MW201-190528

Quant Time: Jun 01 06:47:43 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

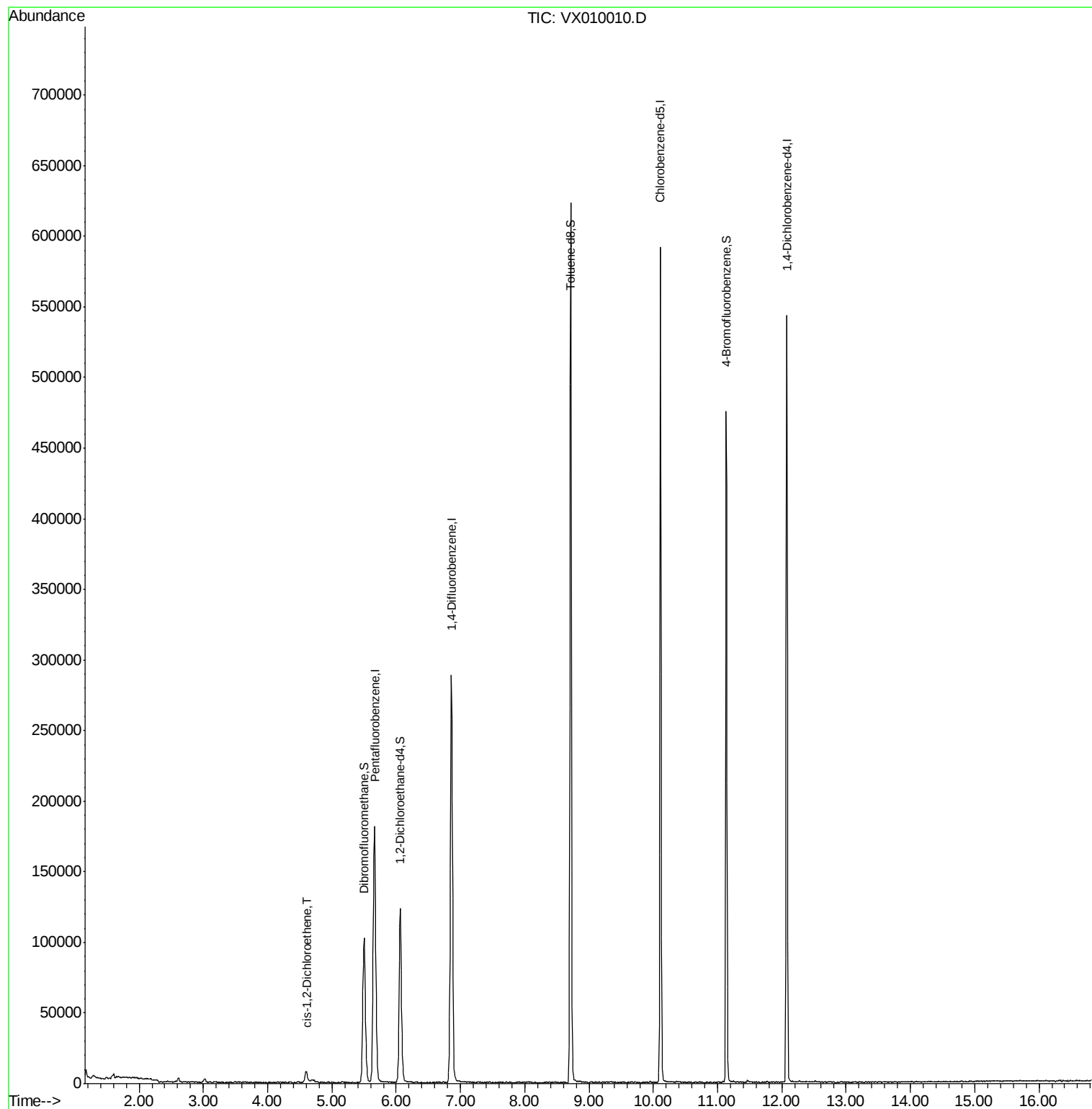
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 176252   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 279127   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 252135   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 112582   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 116426   | 46.76 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.52%  |           |
| 35) Dibromofluoromethane    | 5.50  | 113  | 87263    | 49.73 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.46%  |           |
| 50) Toluene-d8              | 8.71  | 98   | 356582   | 50.04 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.08% |           |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 120341   | 47.02 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.04%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 27) cis-1,2-Dichloroethene  | 4.61  | 96   | 4978     | 2.171 | ug/l    | Qvalue 86 |

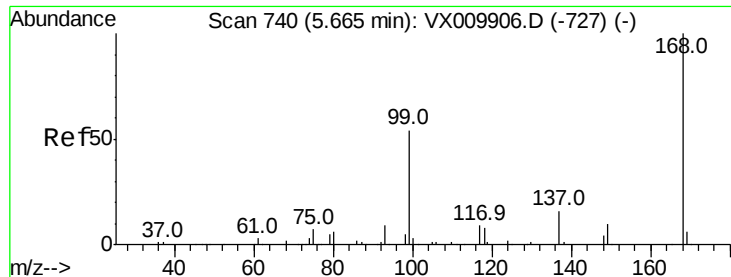
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010010.D

Acq: 01 Jun 2019 02:08

Instrument :

MSVOA\_X

ClientSampleId :

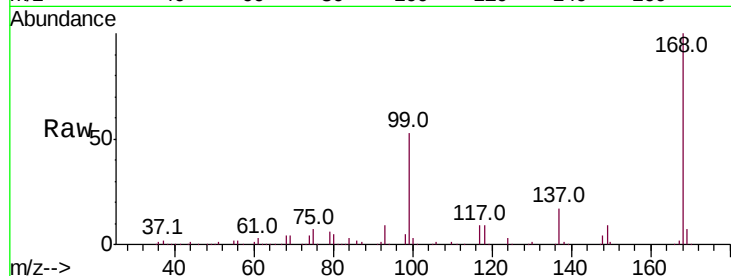
LF012MW201-190528

Tot Ion:168 Resp: 176252

Ion Ratio Lower Upper

168 100

99 52.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

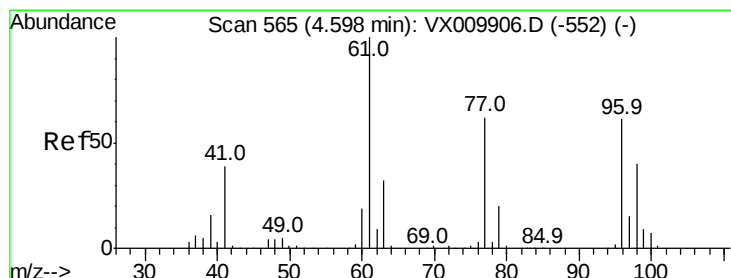
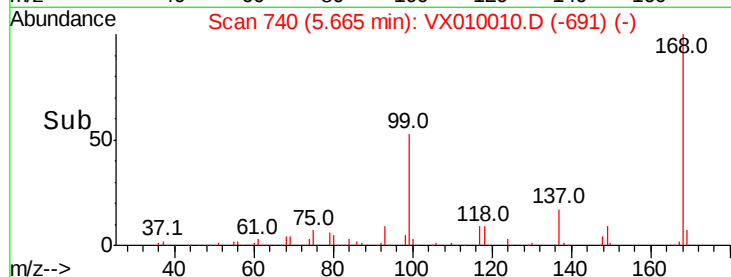
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#27

cis-1,2-Dichloroethene

Concen: 2.171 ug/l

RT: 4.61 min Scan# 567

Delta R.T. 0.01 min

Lab File: VX010010.D

Acq: 01 Jun 2019 02:08

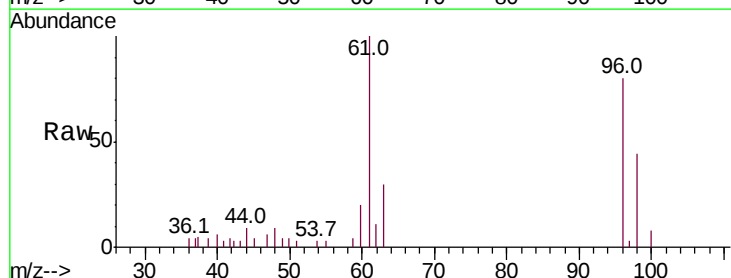
Tgt Ion: 96 Resp: 4978

Ion Ratio Lower Upper

96 100

61 144.5 0.0 334.0

98 60.2 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

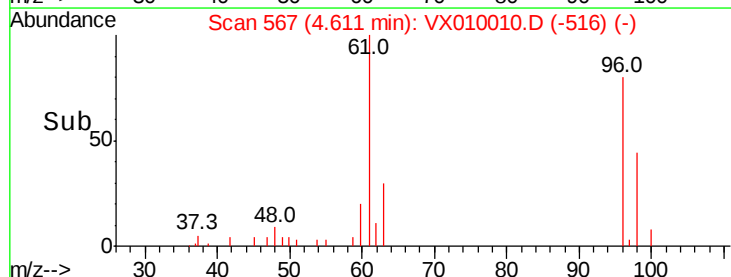
3000

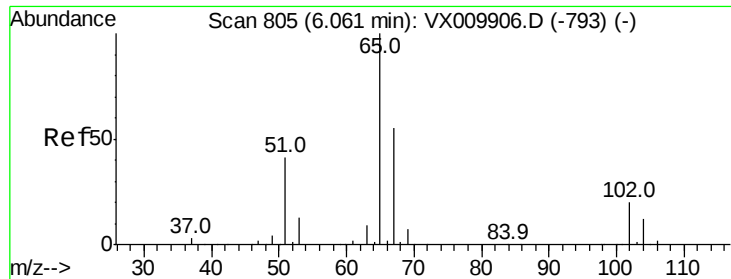
2000

1000

0

Time--> 4.50 4.55 4.60 4.65 4.70

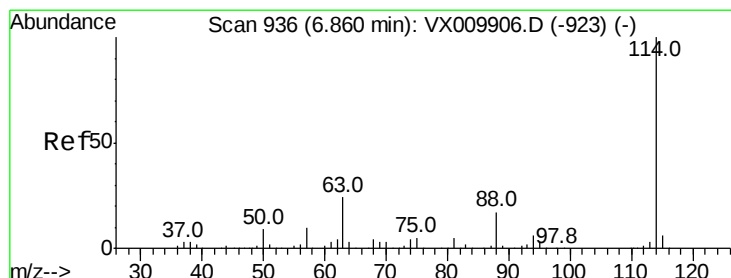
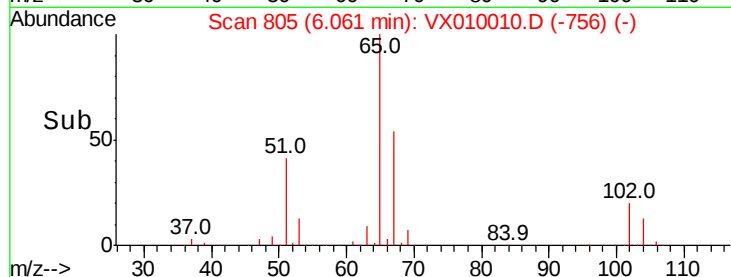
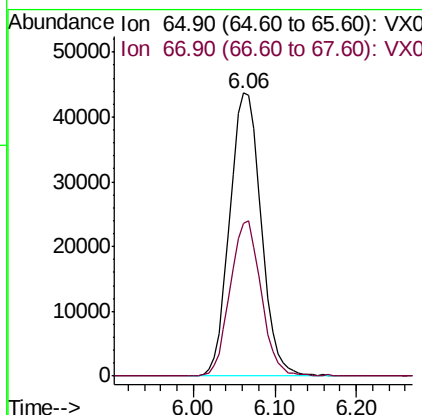
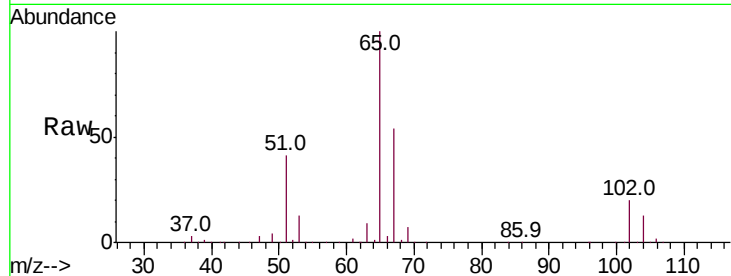




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.763 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. 0.00 min  
 Lab File: VX010010.D  
 Acq: 01 Jun 2019 02:08

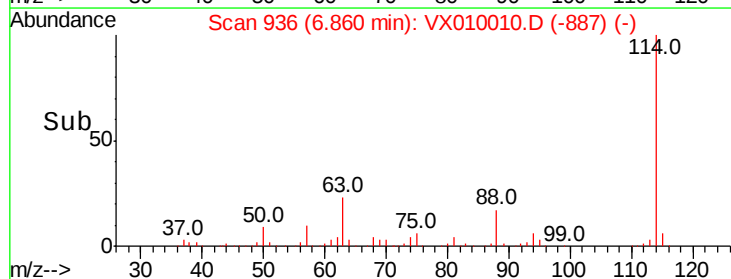
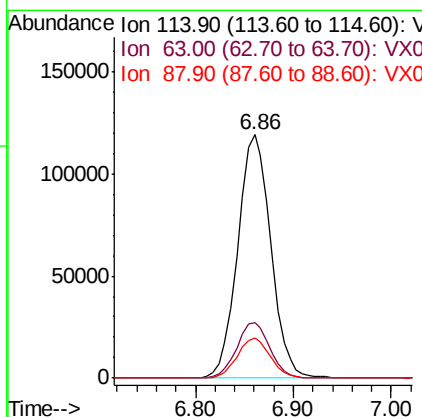
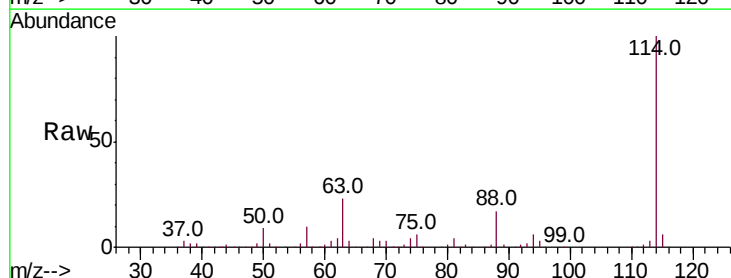
Instrument :  
 MSVOA\_X  
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 LF012MW201-190528

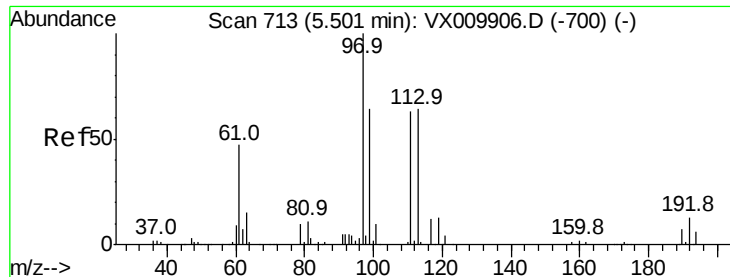
Tot Ion: 65 Resp: 116426  
 Ion Ratio Lower Upper  
 65 100  
 67 53.8 0.0 108.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX010010.D  
 Acq: 01 Jun 2019 02:08

Tgt Ion: 114 Resp: 279127  
 Ion Ratio Lower Upper  
 114 100  
 63 22.8 0.0 47.4  
 88 16.7 0.0 33.0

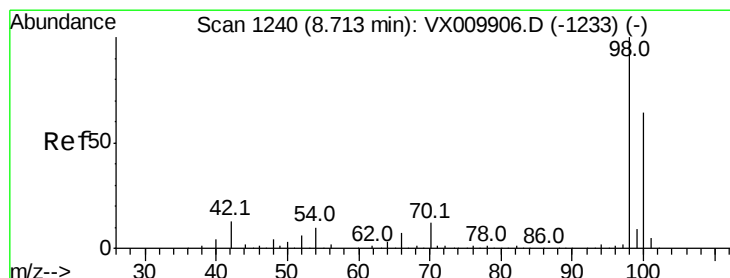
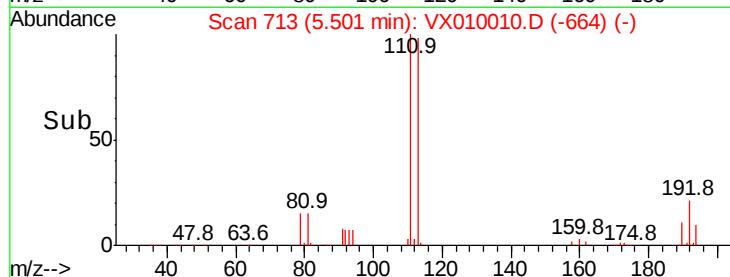
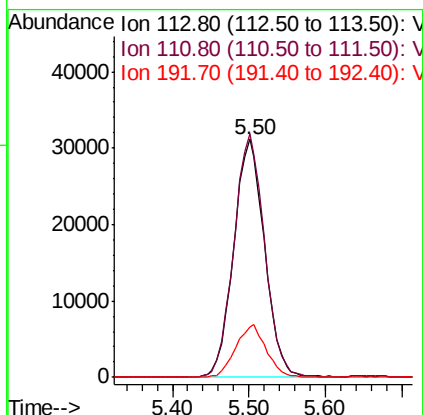
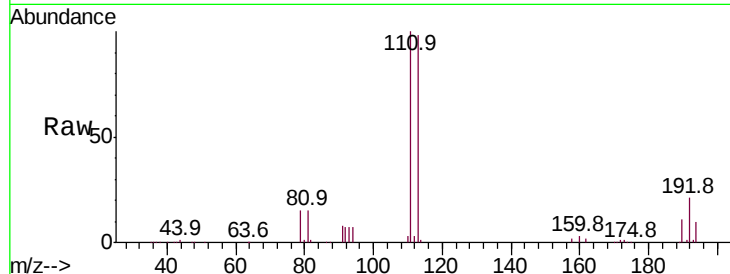




#35  
 Dibromofluoromethane  
 Concen: 49.726 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX010010.D  
 Acq: 01 Jun 2019 02:08

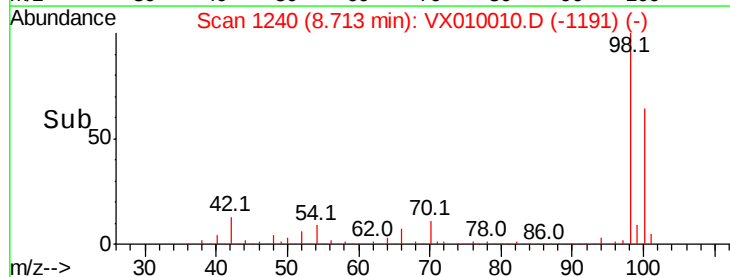
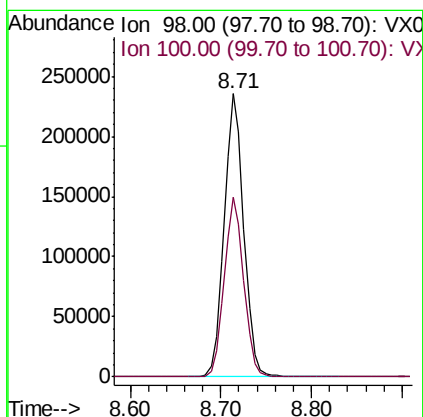
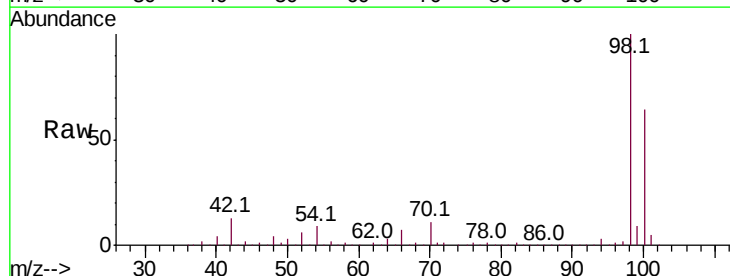
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
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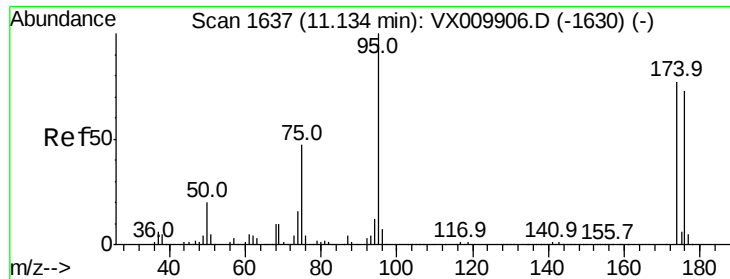
Tot Ion:113 Resp: 87263  
 Ion Ratio Lower Upper  
 113 100  
 111 101.5 82.2 123.2  
 192 21.8 17.1 25.7



#50  
 Toluene-d8  
 Concen: 50.038 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX010010.D  
 Acq: 01 Jun 2019 02:08

Tgt Ion: 98 Resp: 356582  
 Ion Ratio Lower Upper  
 98 100  
 100 63.4 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 47.016 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010010.D

Acq: 01 Jun 2019 02:08

Instrument :

MSVOA\_X

ClientSampleId :

LF012MW201-190528

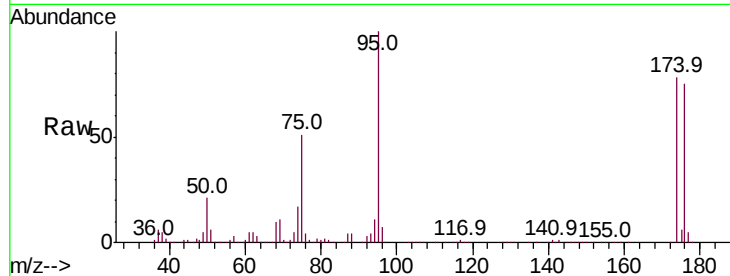
Tot Ion: 95 Resp: 120341

Ion Ratio Lower Upper

95 100

174 83.1 0.0 160.4

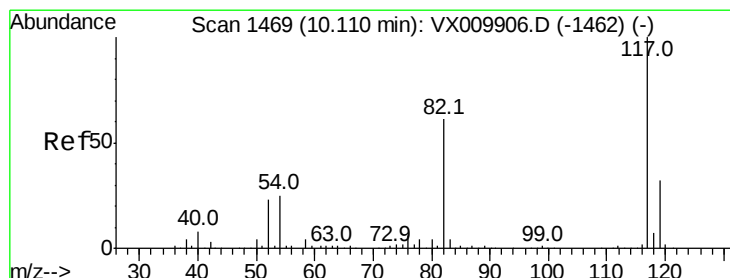
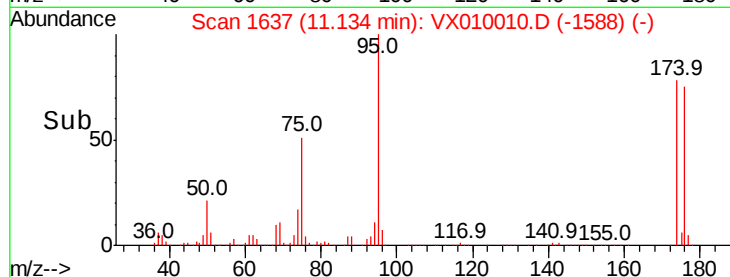
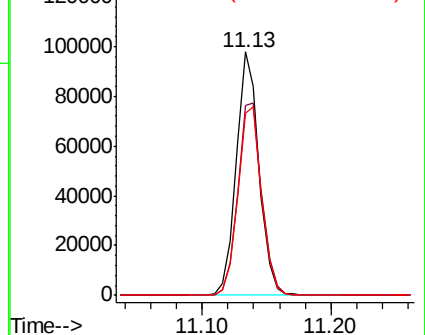
176 81.3 0.0 154.6



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: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010010.D

Acq: 01 Jun 2019 02:08

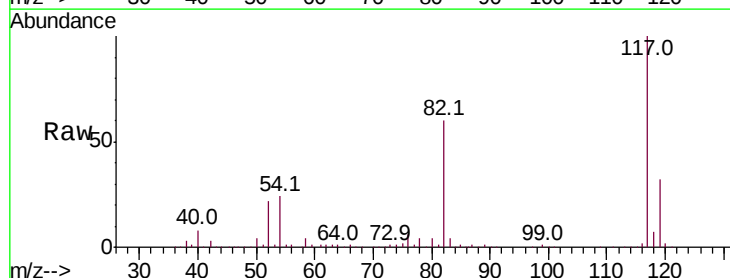
Tgt Ion: 117 Resp: 252135

Ion Ratio Lower Upper

117 100

82 60.3 49.2 73.8

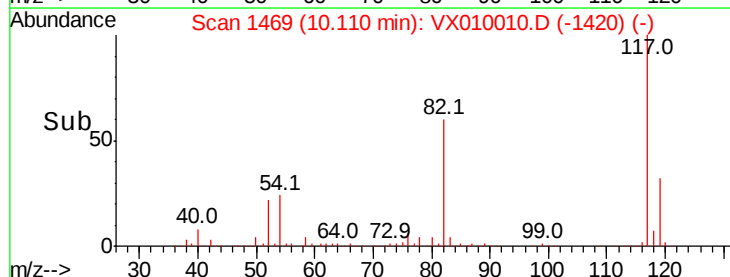
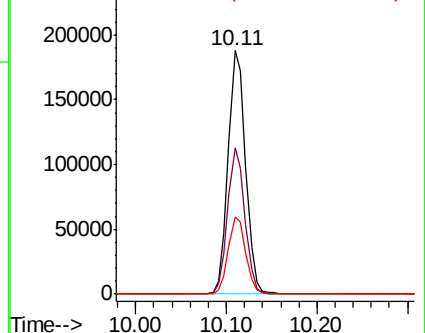
119 31.8 25.2 37.8

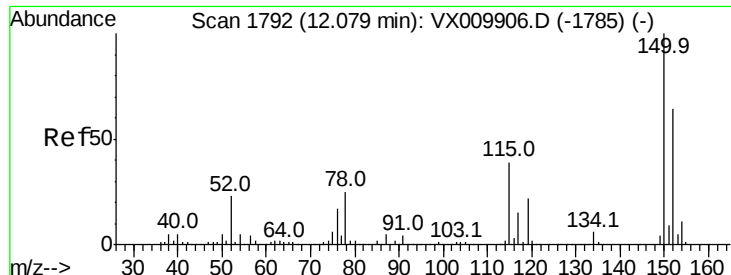


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX010010.D

Acq: 01 Jun 2019 02:08

Instrument :

MSVOA\_X

ClientSampleId :

LF012MW201-190528

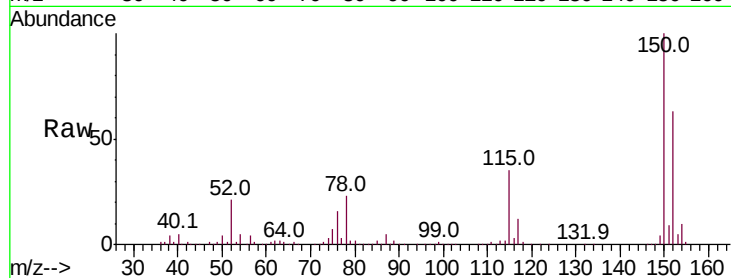
Tot Ion:152 Resp: 112582

Ion Ratio Lower Upper

152 100

115 57.6 41.4 124.2

150 156.8 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

