

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\  
 Data File : VX010865.D  
 Acq On : 13 Jul 2019 02:55  
 Operator : JC/SP  
 Sample : K3791-12  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FL-0603

Quant Time: Jul 15 09:05:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 03:31:56 2019  
 Response via : Initial Calibration

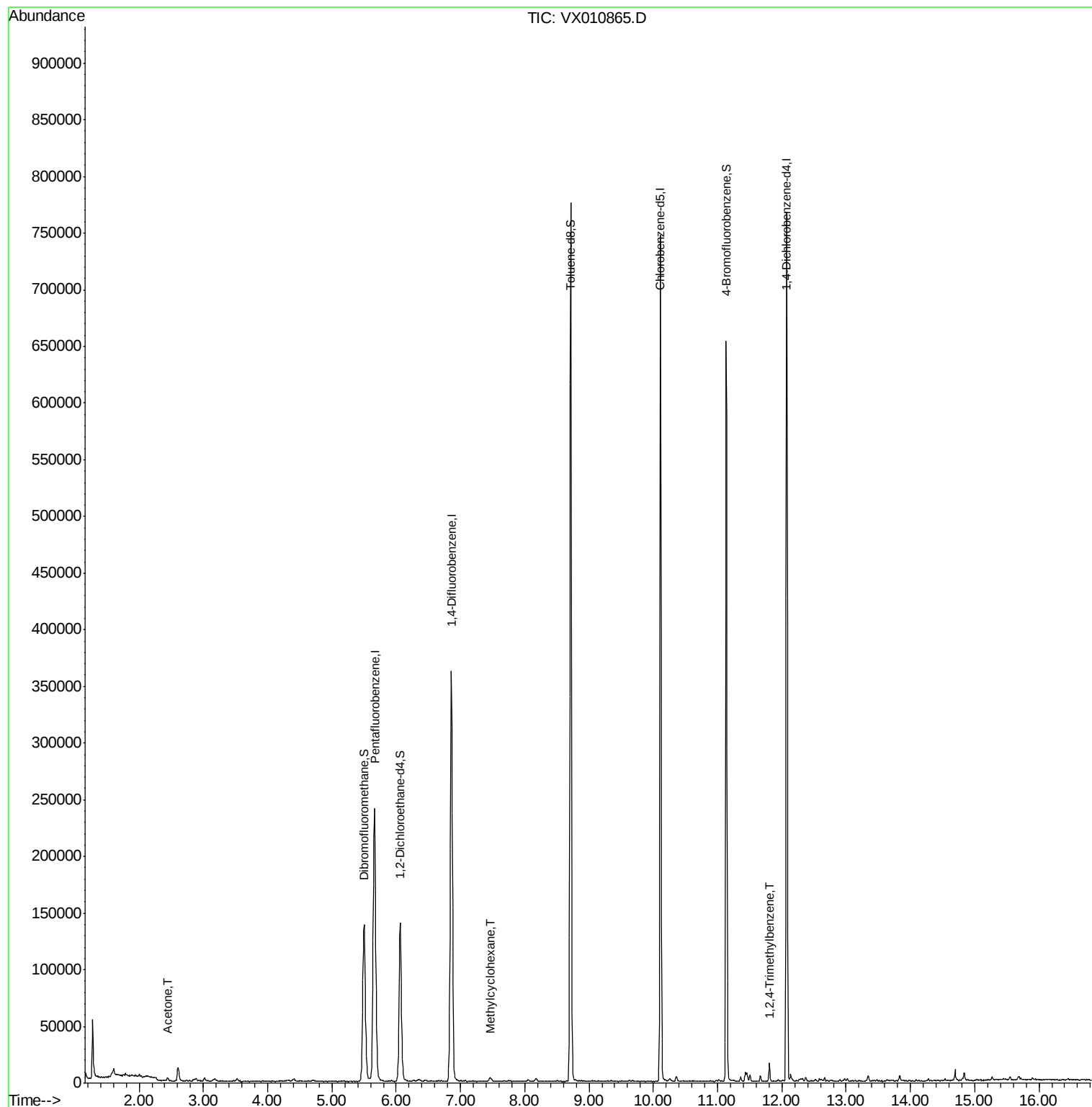
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 246516   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 381818   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 356702   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 164944   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 129149   | 55.88 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 111.76% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 116792   | 49.99 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.98%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 460764   | 51.55 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.10% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 162159   | 50.26 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.52% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.44  | 43   | 2905     | 2.508 | ug/l    | 95       |
| 39) Methylcyclohexane       | 7.46  | 83   | 1452     | 0.364 | ug/l    | 94       |
| 84) 1,2,4-Trimethylbenzene  | 11.80 | 105  | 6562     | 0.709 | ug/l    | 98       |

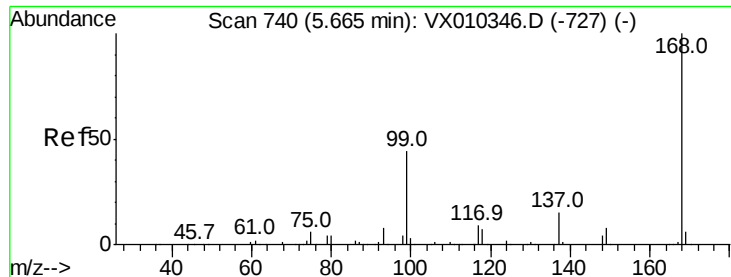
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071219\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 20 03:31:56 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: VX010865.D

Acq: 13 Jul 2019 02:55

Instrument :

MSVOA\_X

ClientSampled :

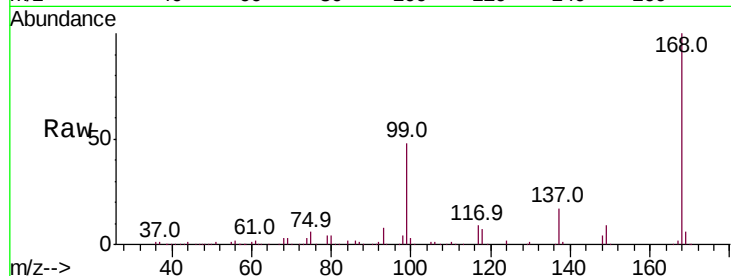
FL-0603

Tot Ion:168 Resp: 246516

Ion Ratio Lower Upper

168 100

99 47.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

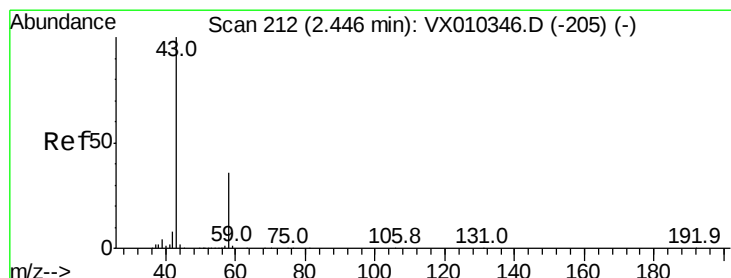
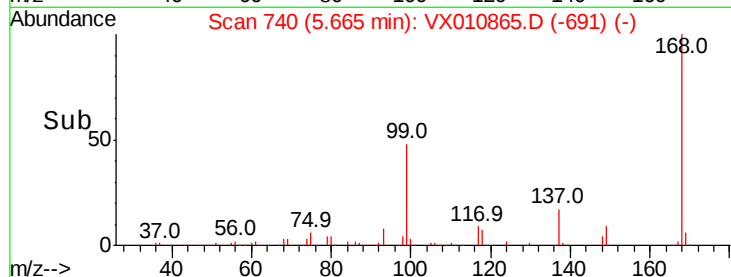
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 2.508 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010865.D

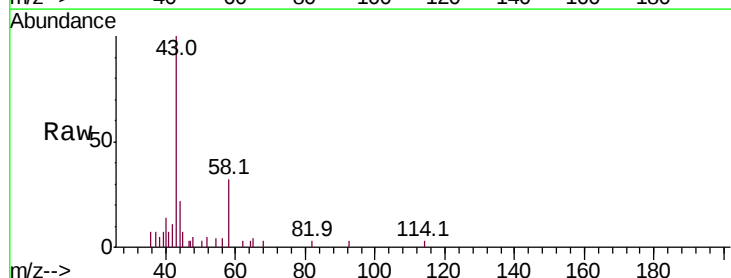
Acq: 13 Jul 2019 02:55

Tgt Ion: 43 Resp: 2905

Ion Ratio Lower Upper

43 100

58 33.4 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

2000

1500

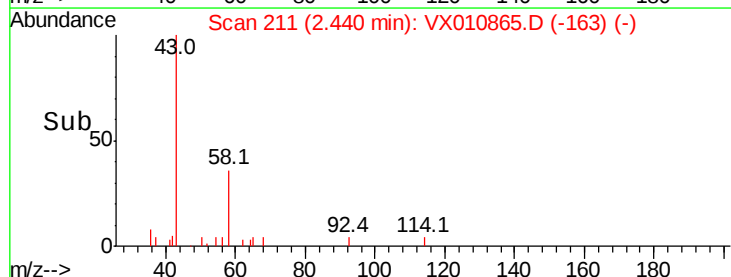
1000

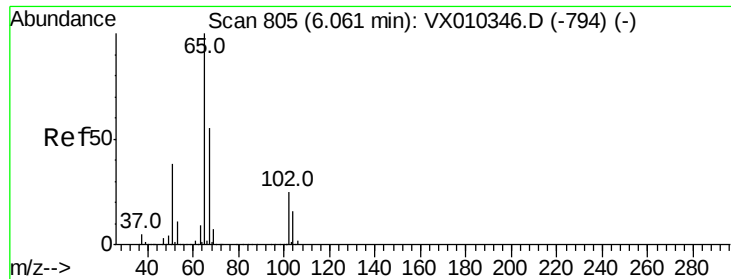
500

0

Time-->

2.35 2.40 2.45 2.50 2.55





#33

1,2-Dichloroethane-d4

Concen: 55.876 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010865.D

Acq: 13 Jul 2019 02:55

Instrument :

MSVOA\_X

ClientSampled :

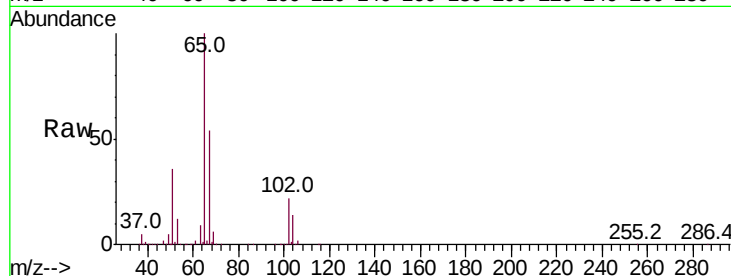
FL-0603

Tot Ion: 65 Resp: 129149

Ion Ratio Lower Upper

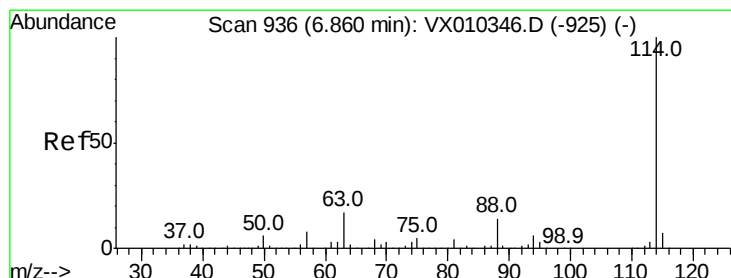
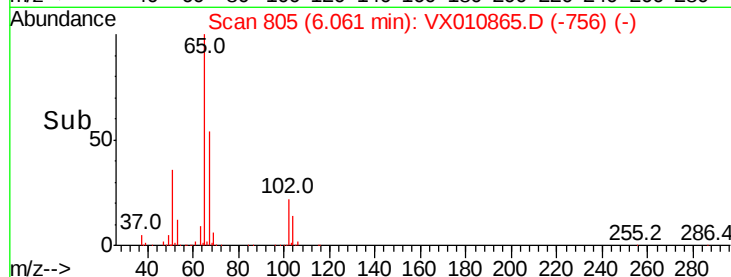
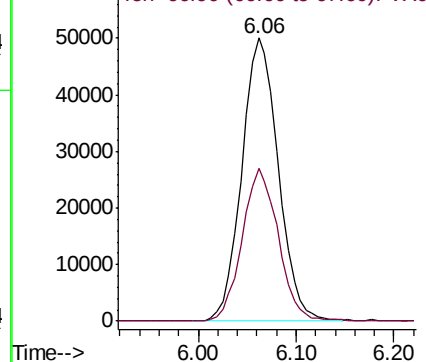
65 100

67 53.6 0.0 110.2



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: VX010865.D

Acq: 13 Jul 2019 02:55

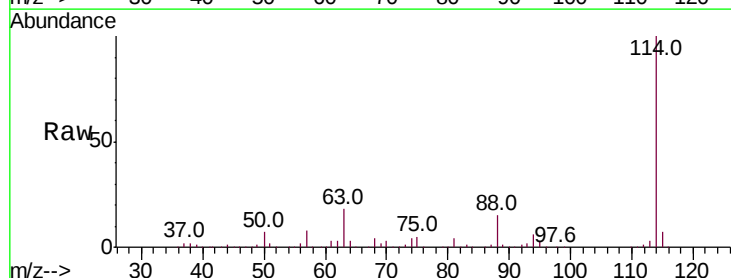
Tgt Ion: 114 Resp: 381818

Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.8

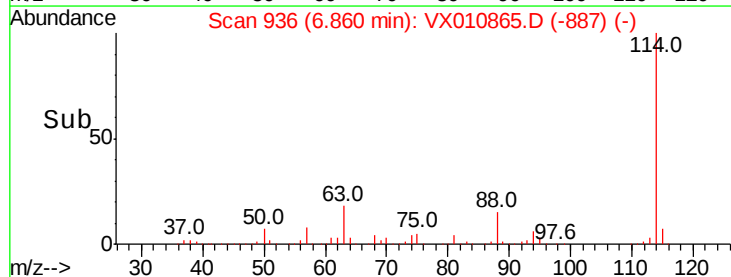
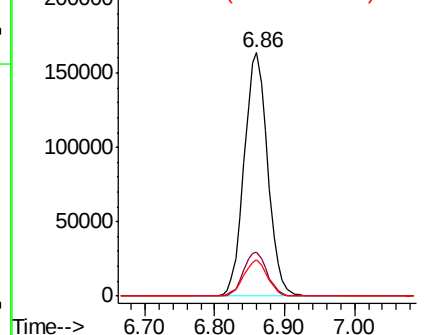
88 15.0 0.0 27.6

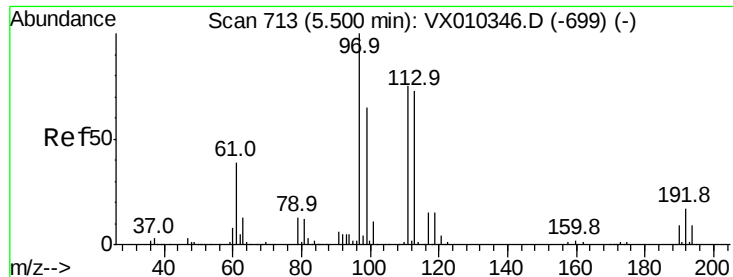


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

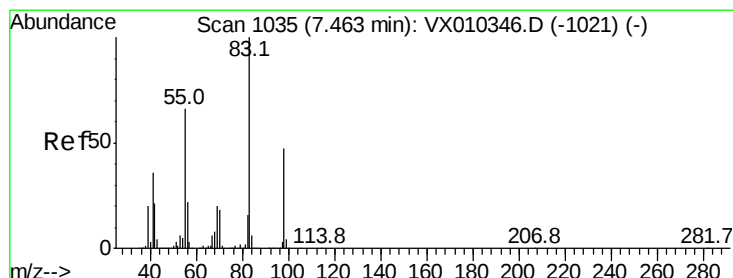
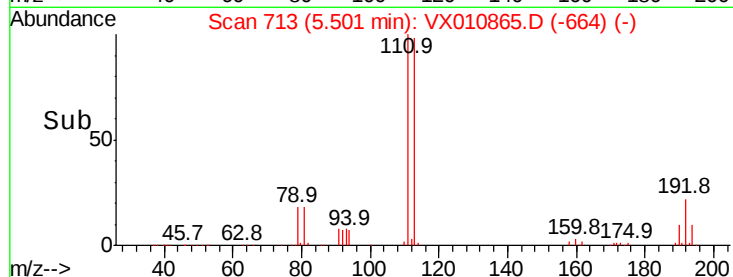
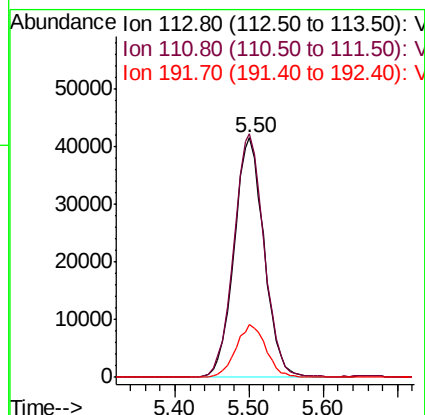
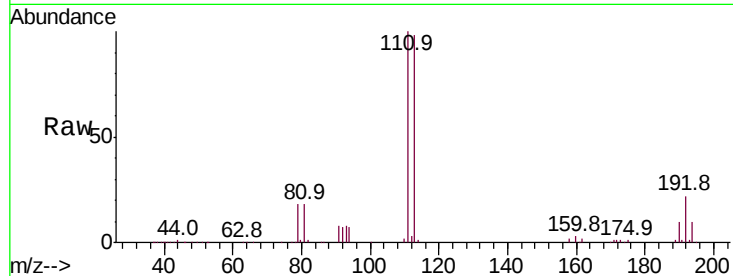




#35  
 Dibromofluoromethane  
 Concen: 49.994 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX010865.D  
 Acq: 13 Jul 2019 02:55

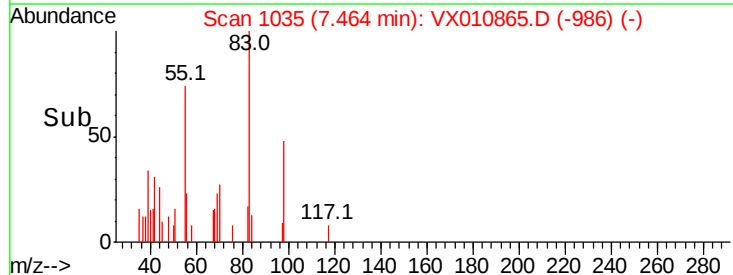
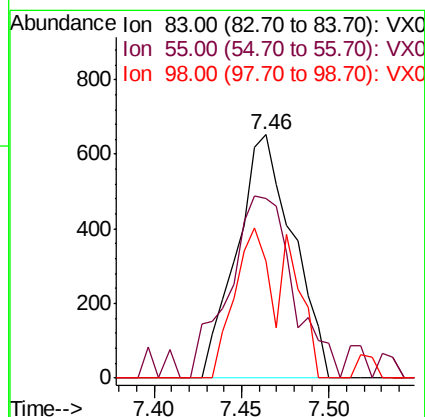
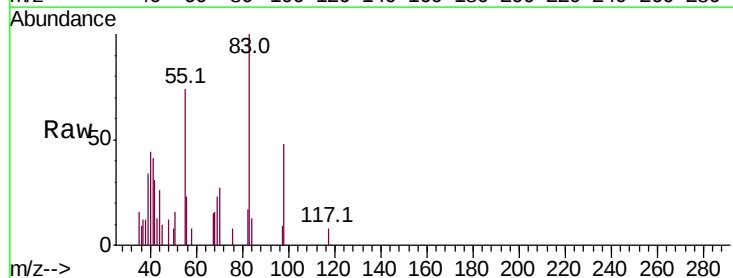
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 FL-0603

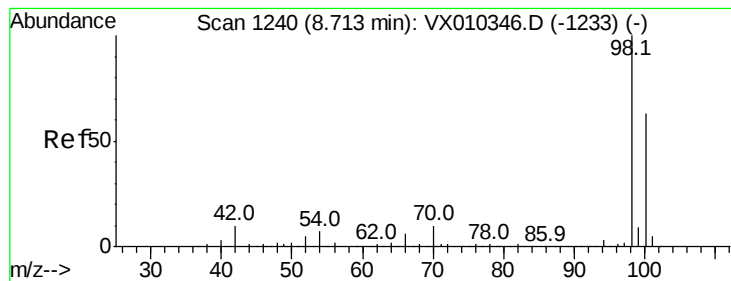
Tot Ion:113 Resp: 116792  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 81.2 121.8  
 192 22.2 18.6 27.8



#39  
 Methylcyclohexane  
 Concen: 0.364 ug/l  
 RT: 7.46 min Scan# 1035  
 Delta R.T. 0.00 min  
 Lab File: VX010865.D  
 Acq: 13 Jul 2019 02:55

Tgt Ion: 83 Resp: 1452  
 Ion Ratio Lower Upper  
 83 100  
 55 73.8 53.0 79.6  
 98 48.1 37.8 56.8





#50

Toluene-d8

Concen: 51.554 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010865.D

Acq: 13 Jul 2019 02:55

Instrument :

MSVOA\_X

ClientSampleId :

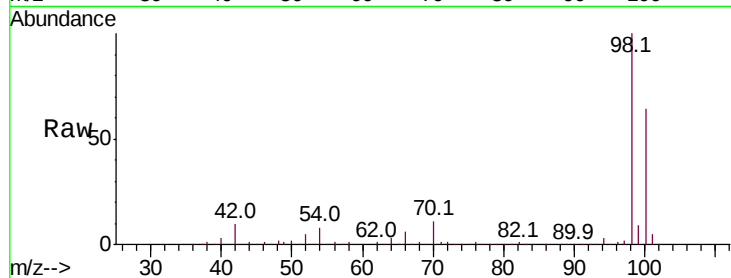
FL-0603

Tot Ion: 98 Resp: 460764

Ion Ratio Lower Upper

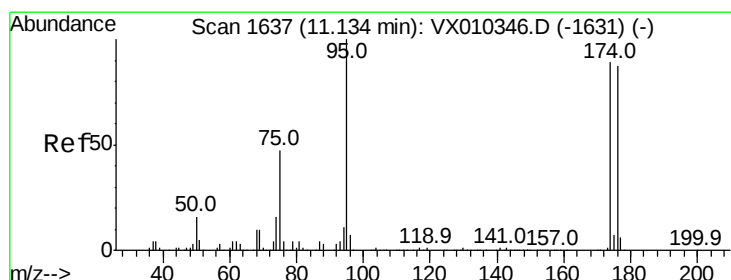
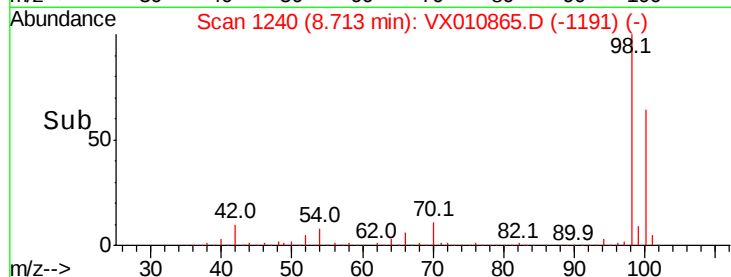
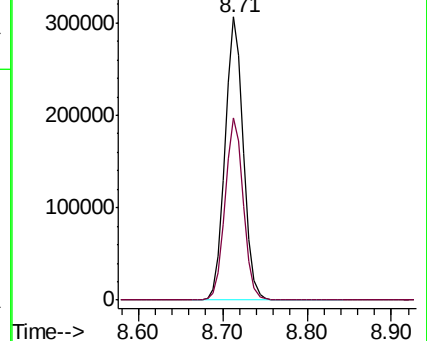
98 100

100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 50.256 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010865.D

Acq: 13 Jul 2019 02:55

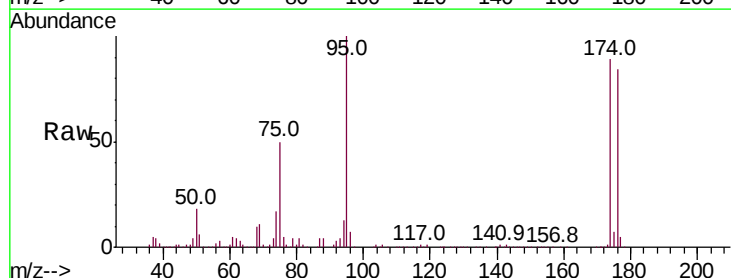
Tgt Ion: 95 Resp: 162159

Ion Ratio Lower Upper

95 100

174 91.6 0.0 187.6

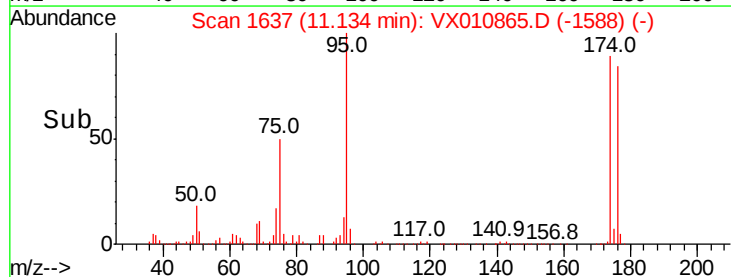
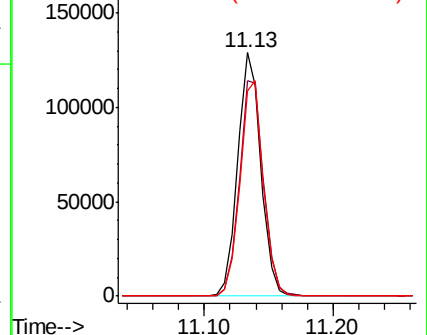
176 89.1 0.0 184.0

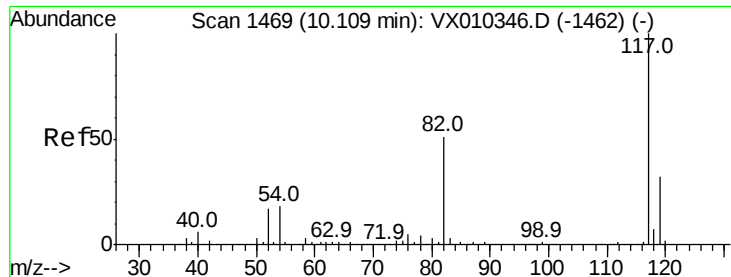


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

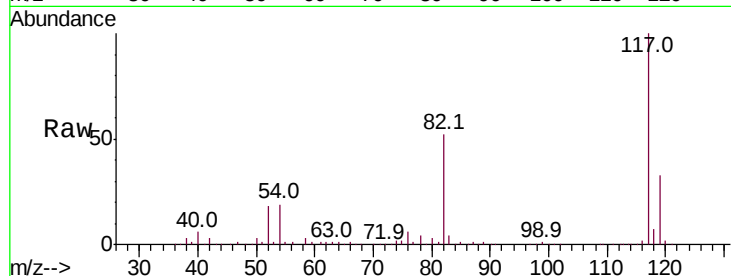




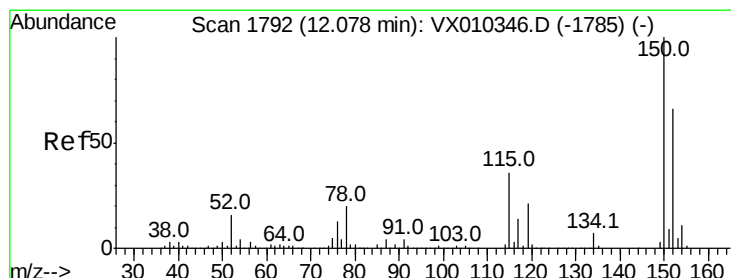
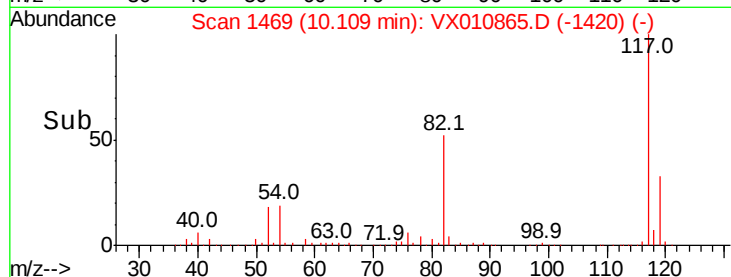
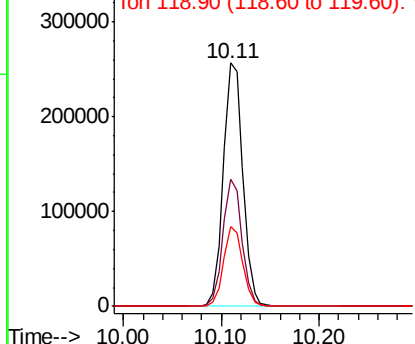
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX010865.D  
Acq: 13 Jul 2019 02:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0603

Tot Ion:117 Resp: 356702  
Ion Ratio Lower Upper  
117 100  
82 52.2 41.2 61.8  
119 32.6 25.5 38.3

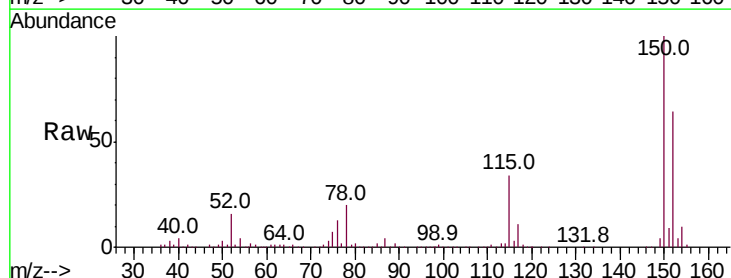


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

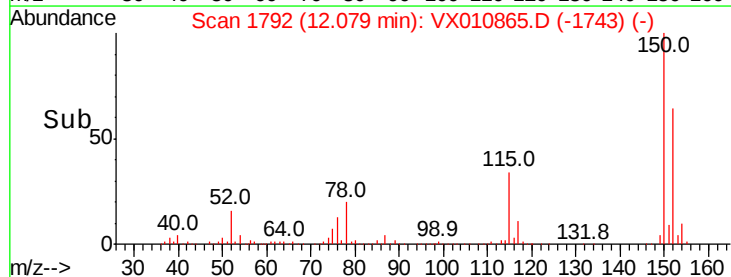
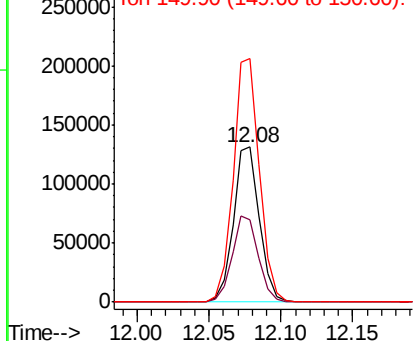


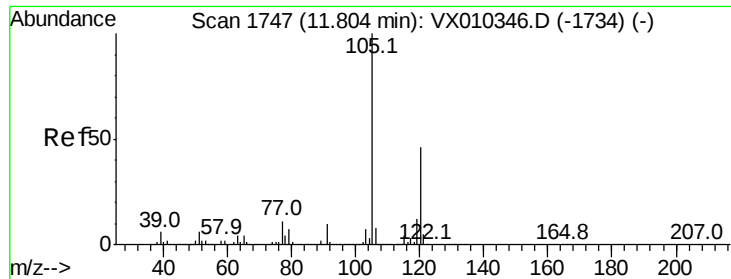
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX010865.D  
Acq: 13 Jul 2019 02:55

Tgt Ion:152 Resp: 164944  
Ion Ratio Lower Upper  
152 100  
115 55.8 38.6 115.7  
150 157.9 0.0 347.4



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





#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.709 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. 0.00 min  
 Lab File: VX010865.D  
 Acq: 13 Jul 2019 02:55

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FL-0603

Tot Ion:105 Resp: 6562  
 Ion Ratio Lower Upper  
 105 100  
 120 47.2 23.1 69.2

