

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\  
 Data File : VX010620.D  
 Acq On : 02 Jul 2019 16:24  
 Operator : JC/SP  
 Sample : K3636-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SP19-LF3-TB1

Quant Time: Jul 03 03:49:00 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  | 250267   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 382289   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 349014   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 164227   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 121778   | 51.90 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.80% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 116552   | 49.83 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.66%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 451551   | 50.46 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.92% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 152743   | 47.28 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.56%  |          |

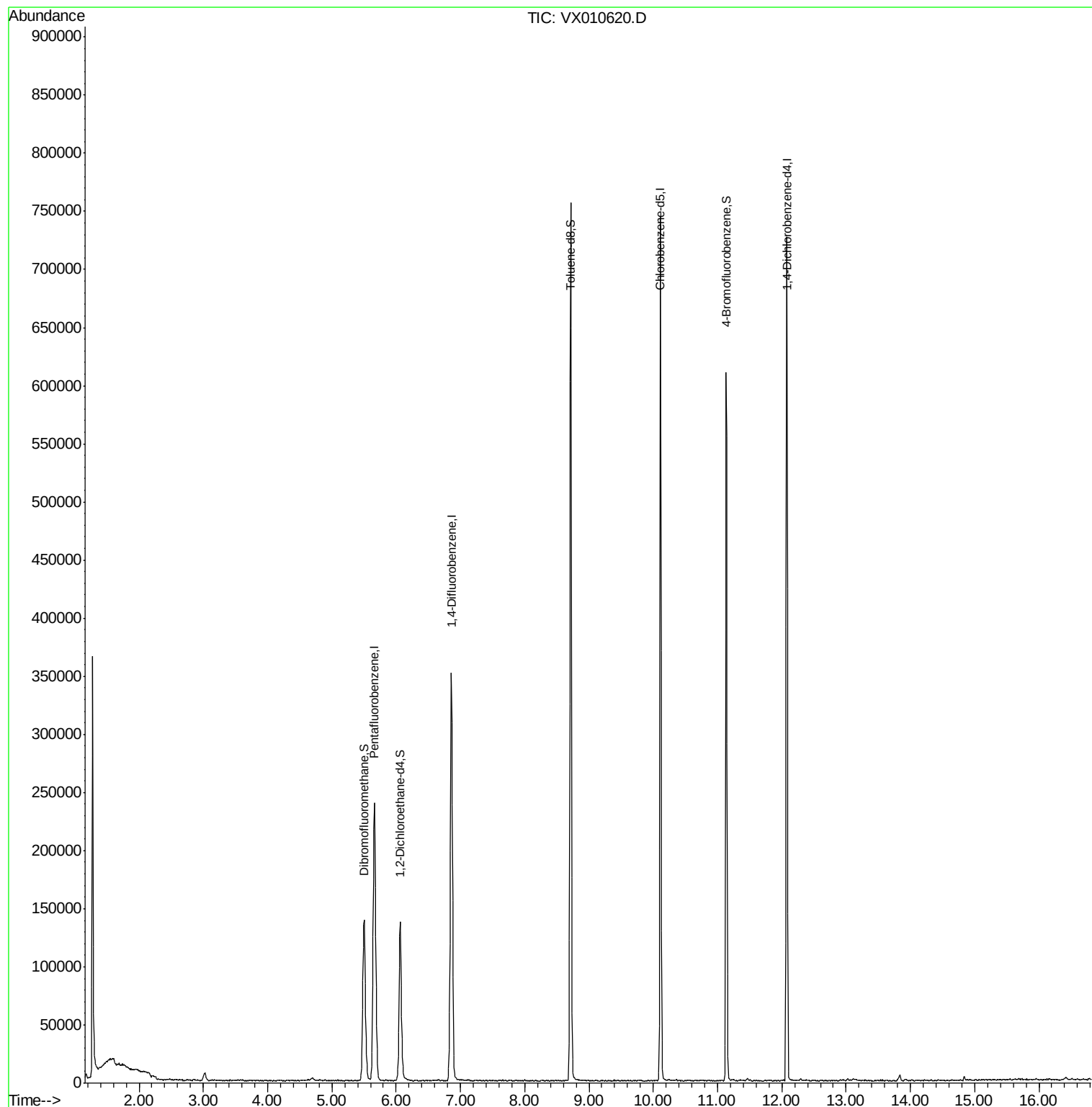
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

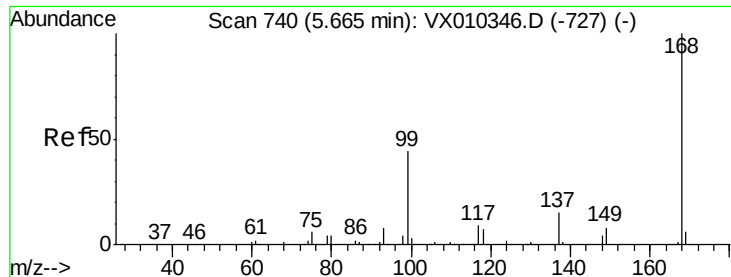
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010620.D

Acq: 02 Jul 2019 16:24

Instrument :

MSVOA\_X

ClientSampleId :

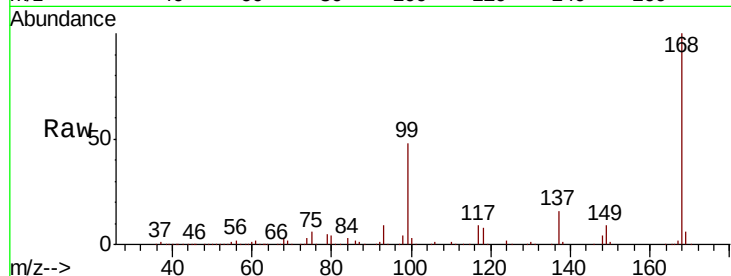
SP19-LF3-TB1

Tot Ion:168 Resp: 250267

Ion Ratio Lower Upper

168 100

99 48.3 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

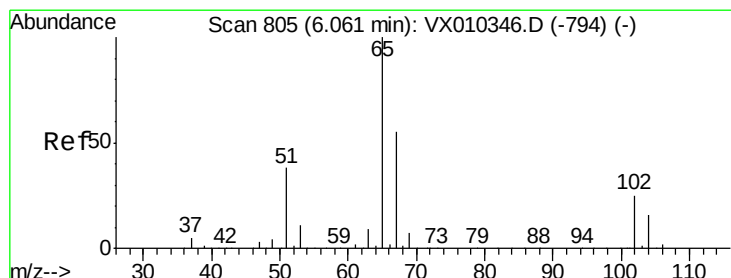
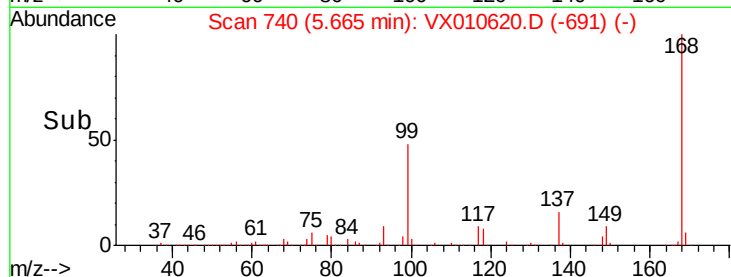
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#33

1,2-Dichloroethane-d4

Concen: 51.898 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010620.D

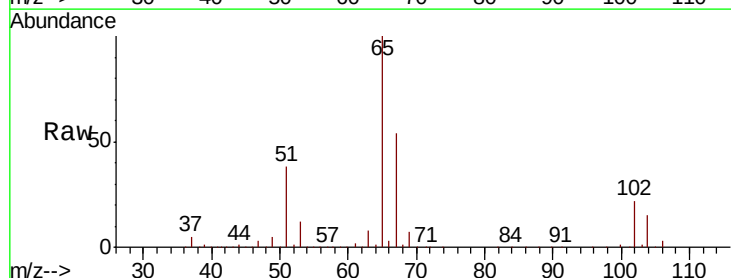
Acq: 02 Jul 2019 16:24

Tgt Ion: 65 Resp: 121778

Ion Ratio Lower Upper

65 100

67 54.3 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

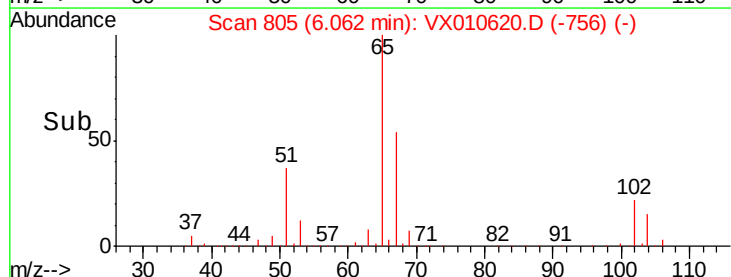
20000

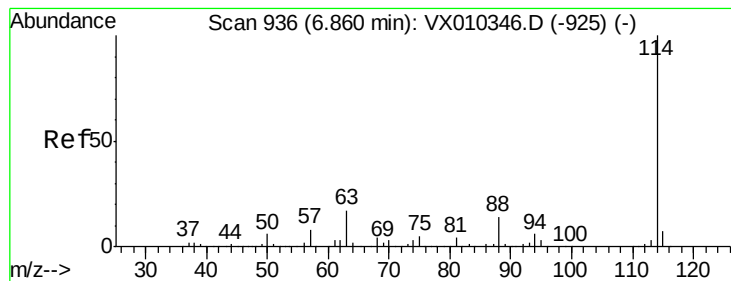
10000

0

Time-->

5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010620.D

Acq: 02 Jul 2019 16:24

Instrument :

MSVOA\_X

ClientSampleId :

SP19-LF3-TB1

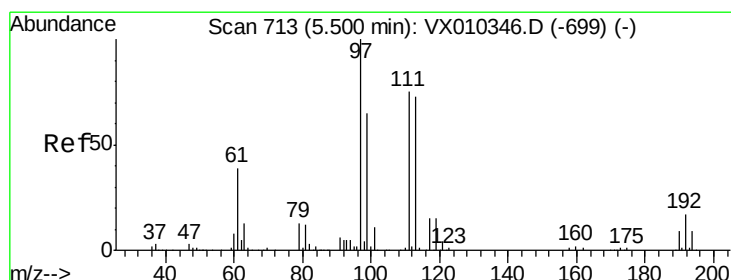
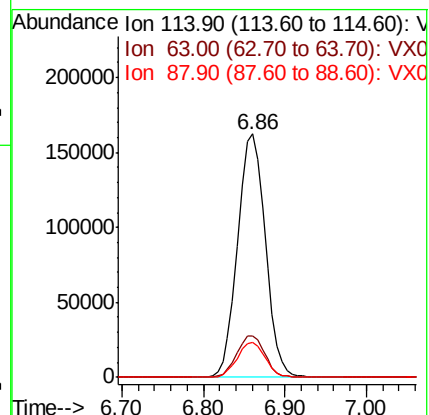
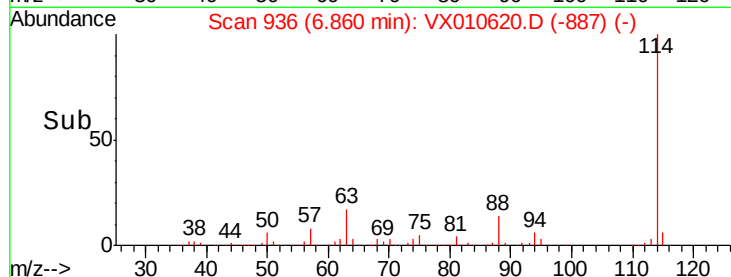
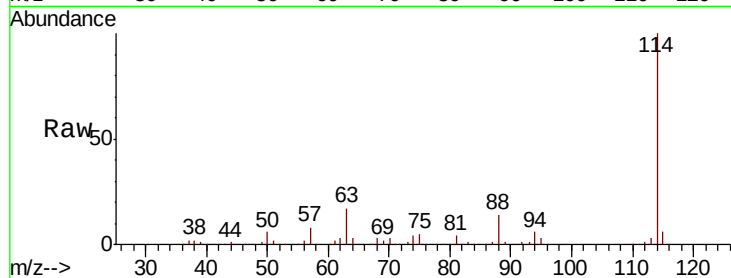
Tot Ion:114 Resp: 382289

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.8

88 14.3 0.0 27.6



#35

Dibromofluoromethane

Concen: 49.830 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010620.D

Acq: 02 Jul 2019 16:24

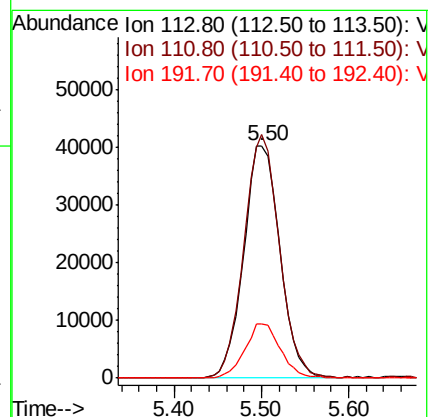
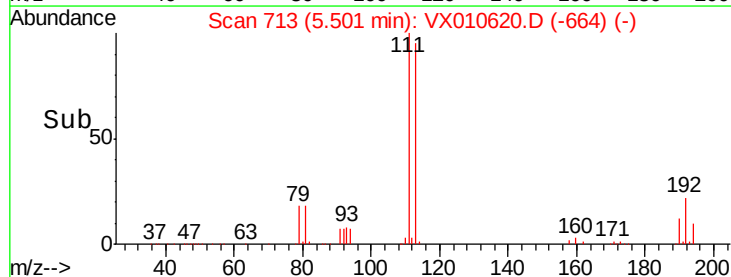
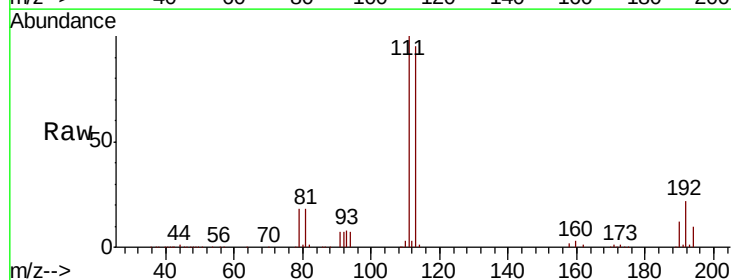
Tgt Ion:113 Resp: 116552

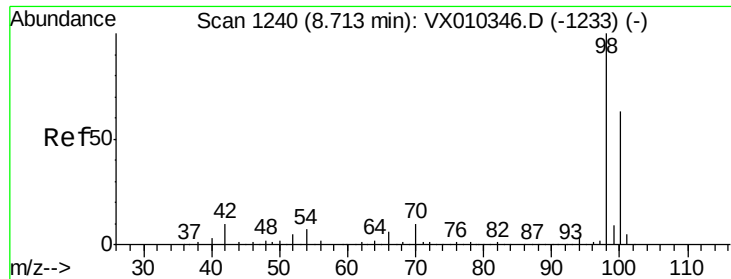
Ion Ratio Lower Upper

113 100

111 102.1 81.2 121.8

192 22.9 18.6 27.8

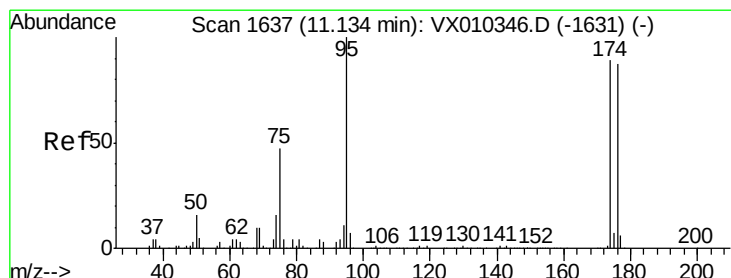
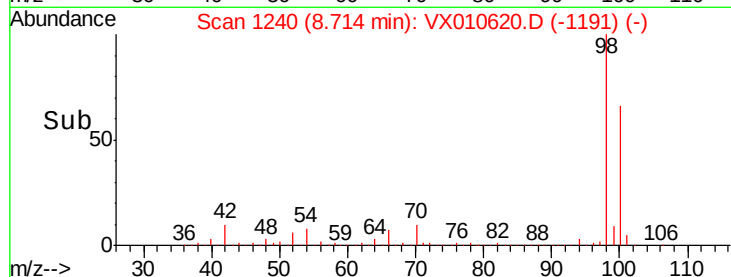
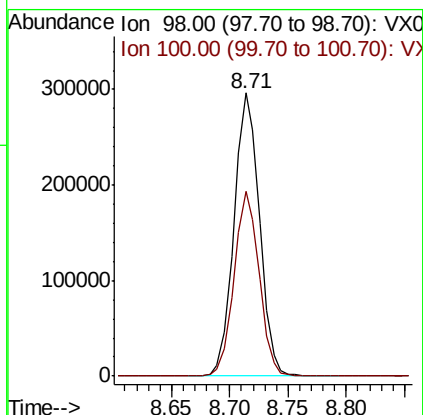
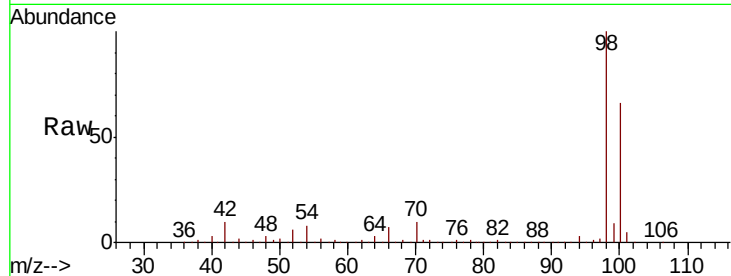




#50  
Toluene-d8  
Concen: 50.461 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX010620.D  
Acq: 02 Jul 2019 16:24

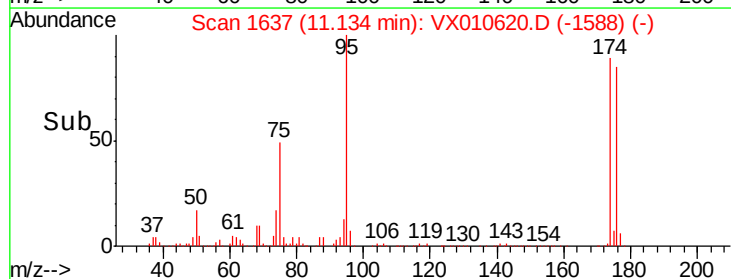
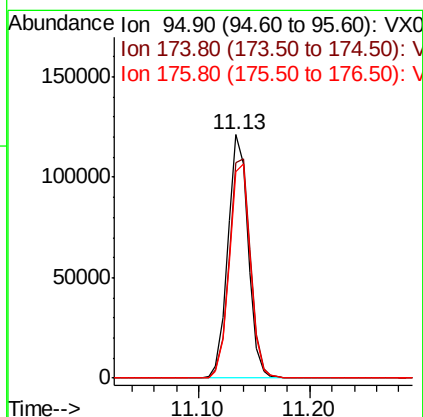
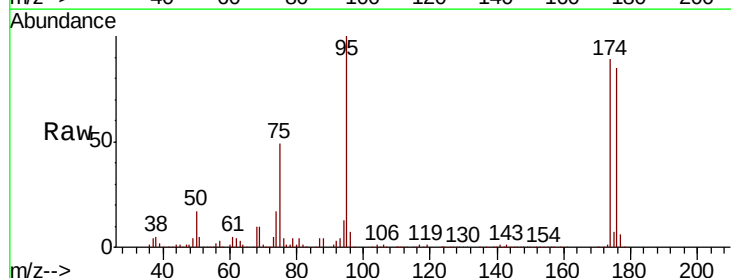
Instrument :  
MSVOA\_X  
ClientSampleId :  
SP19-LF3-TB1

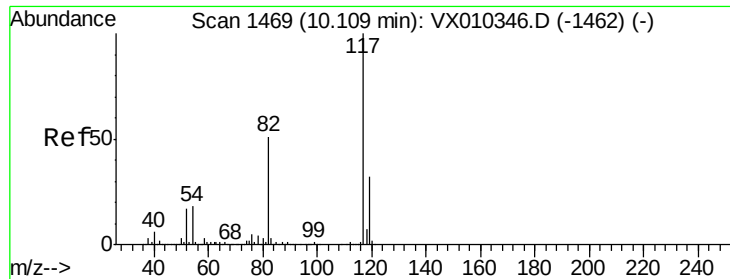
Tot Ion: 98 Resp: 451551  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 47.279 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX010620.D  
Acq: 02 Jul 2019 16:24

Tgt Ion: 95 Resp: 152743  
Ion Ratio Lower Upper  
95 100  
174 94.8 0.0 187.6  
176 91.2 0.0 184.0

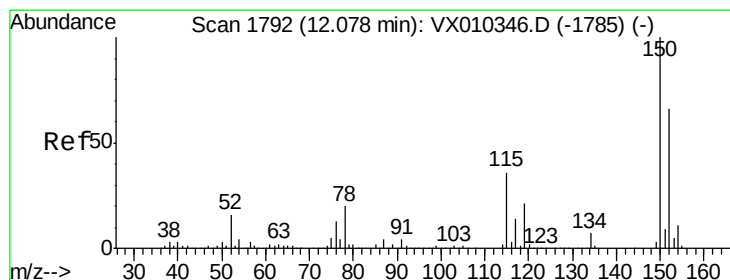
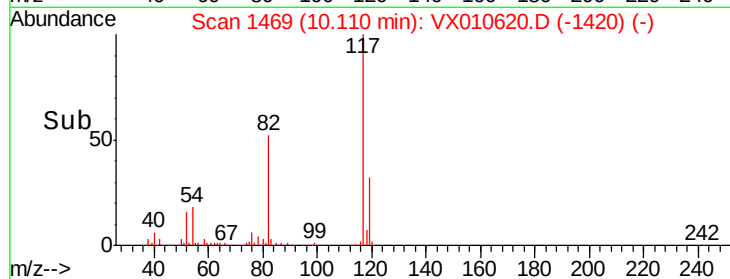
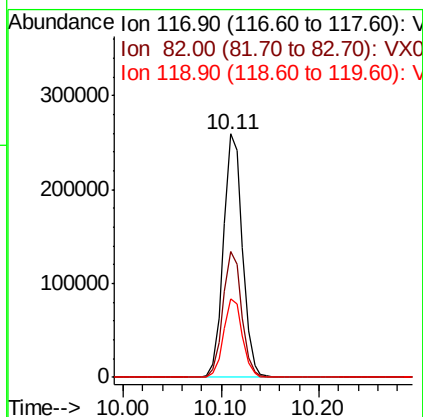
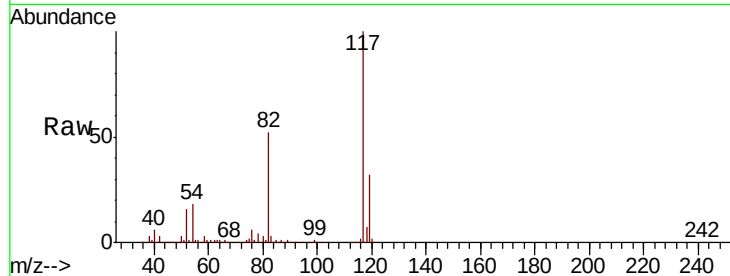




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX010620.D  
Acq: 02 Jul 2019 16:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
SP19-LF3-TB1

Tot Ion:117 Resp: 349014  
Ion Ratio Lower Upper  
117 100  
82 51.9 41.2 61.8  
119 32.4 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX010620.D  
Acq: 02 Jul 2019 16:24

Tgt Ion:152 Resp: 164227  
Ion Ratio Lower Upper  
152 100  
115 54.3 38.6 115.7  
150 155.2 0.0 347.4

