

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090619\  
 Data File : VX012165.D  
 Acq On : 06 Sep 2019 23:08  
 Operator : SY/SP  
 Sample : K4554-59  
 Misc : 4.74g/5.0mL/MSVOA X/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SB-16-(8-10)

Quant Time: Sep 07 03:23:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X090319S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 03 15:26:48 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 157411   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 271911   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 238384   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 103404   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 107270   | 49.39 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.78%  |          |
| 35) Dibromofluoromethane    | 5.48  | 113  | 80538    | 48.16 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.32%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 324052   | 52.81 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.62% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 128266   | 44.95 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.90%  |          |

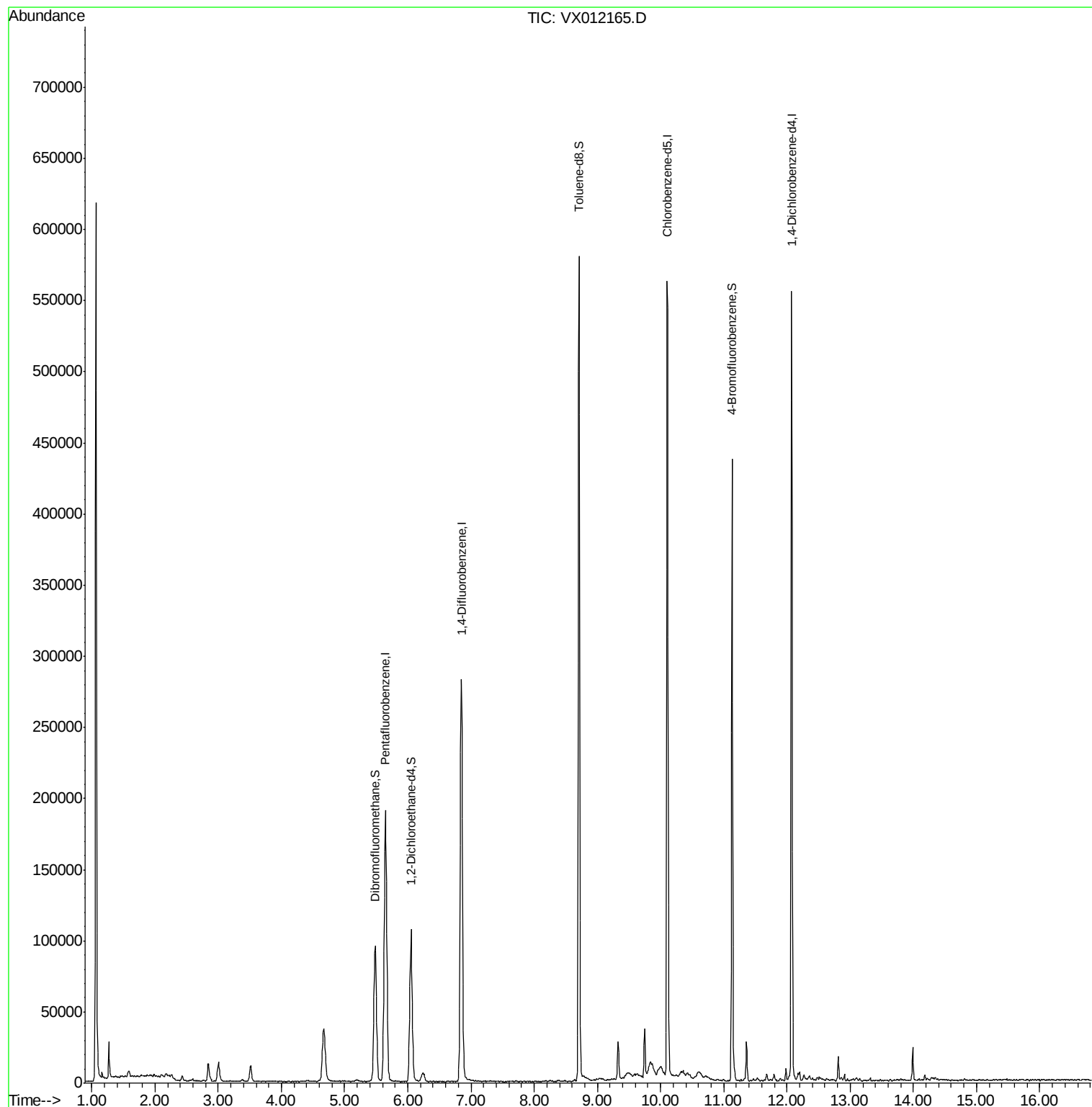
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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QLast Update : Tue Sep 03 15:26:48 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012165.D

Acq: 06 Sep 2019 23:08

Instrument :

MSVOA\_X

ClientSampleId :

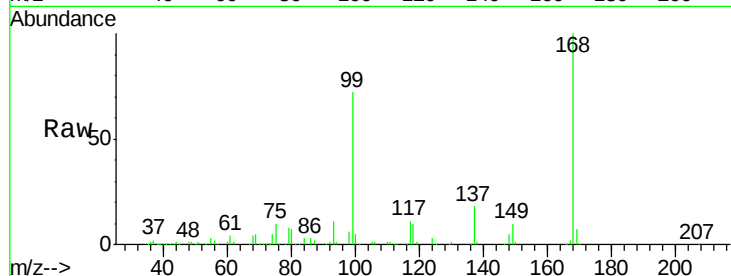
SB-16-(8-10)

Tot Ion:168 Resp: 157411

Ion Ratio Lower Upper

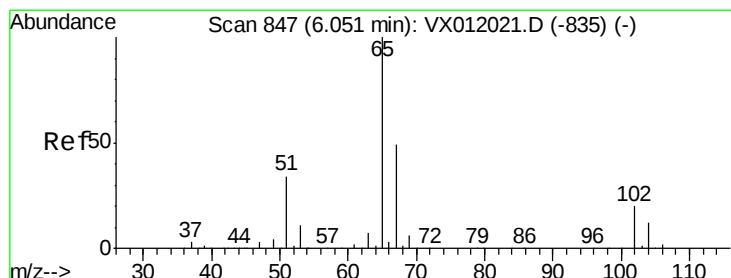
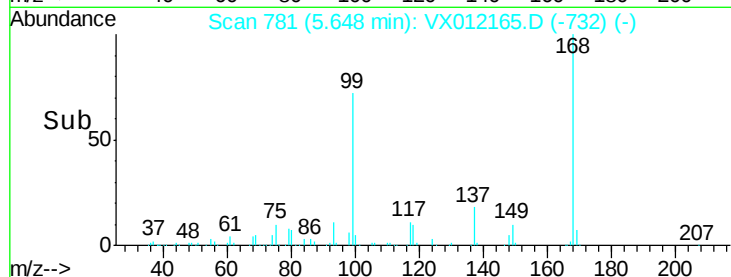
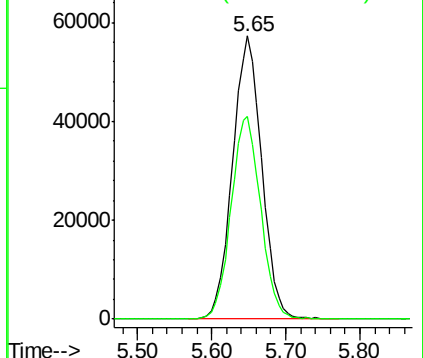
168 100

99 71.8 37.6 56.4#



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: 49.389 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012165.D

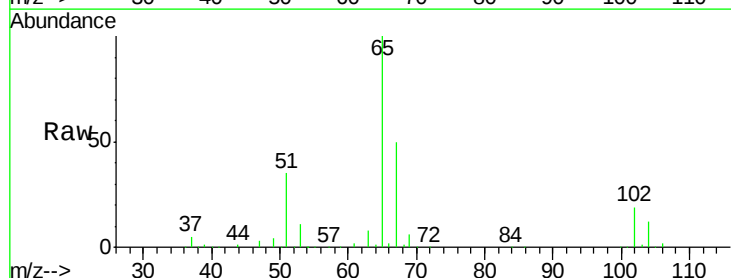
Acq: 06 Sep 2019 23:08

Tgt Ion: 65 Resp: 107270

Ion Ratio Lower Upper

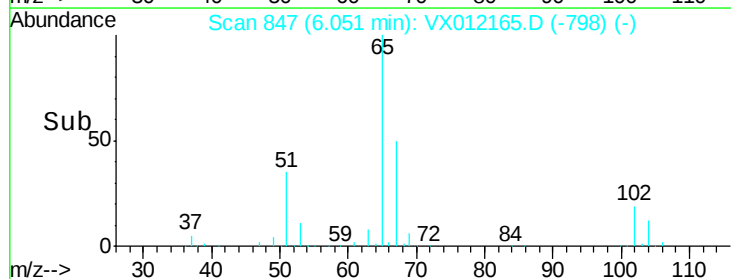
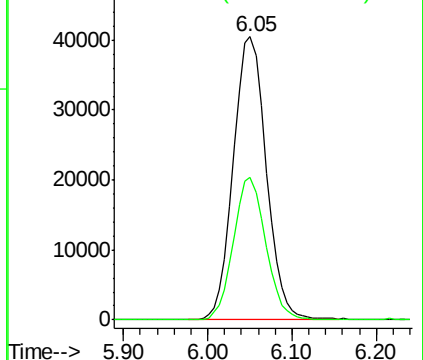
65 100

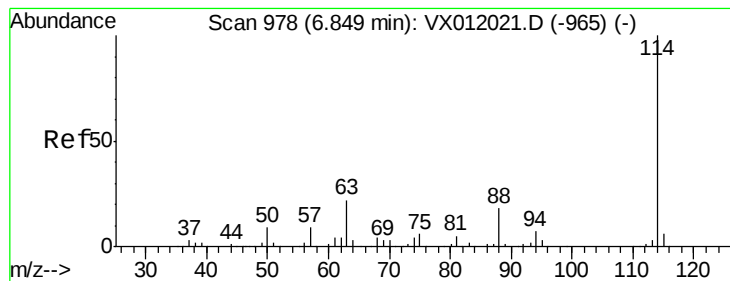
67 49.5 0.0 102.0



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: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012165.D

Acq: 06 Sep 2019 23:08

Instrument :

MSVOA\_X

ClientSampleId :

SB-16-(8-10)

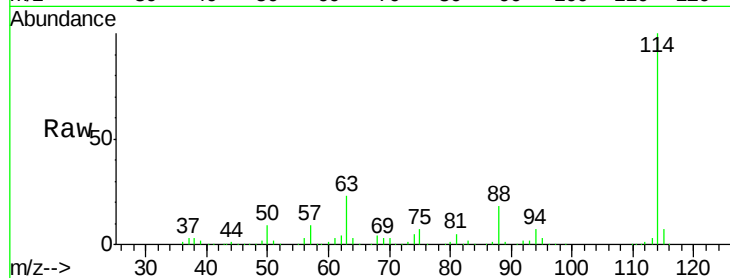
Tot Ion:114 Resp: 271911

Ion Ratio Lower Upper

114 100

63 22.6 0.0 37.4

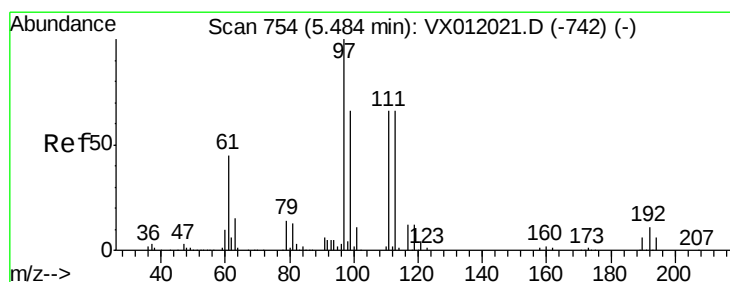
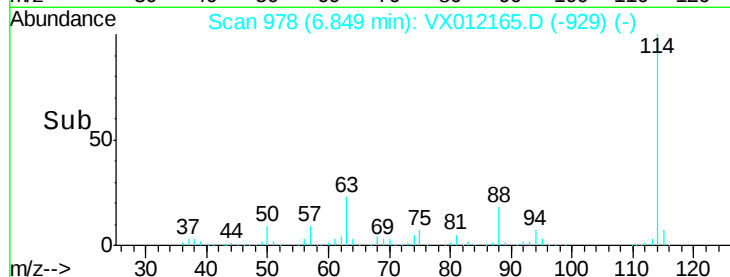
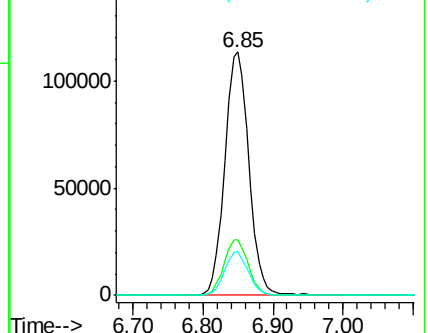
88 18.3 0.0 29.6



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: 48.164 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012165.D

Acq: 06 Sep 2019 23:08

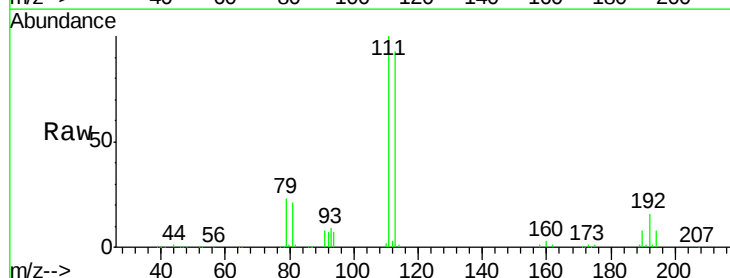
Tgt Ion:113 Resp: 80538

Ion Ratio Lower Upper

113 100

111 104.0 81.7 122.5

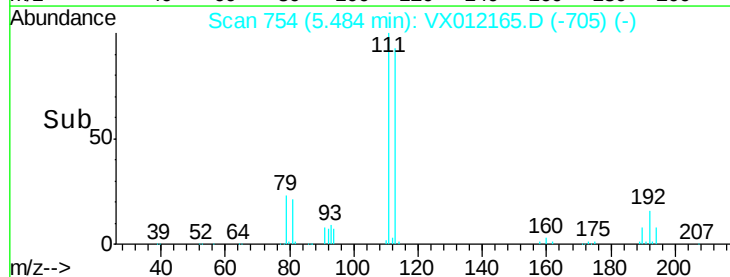
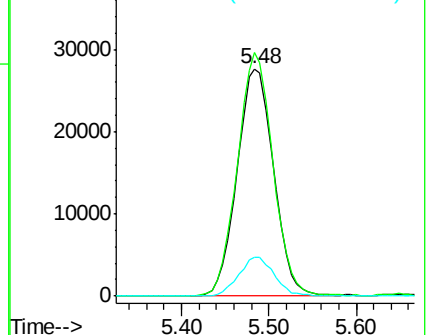
192 16.6 22.5 33.7#

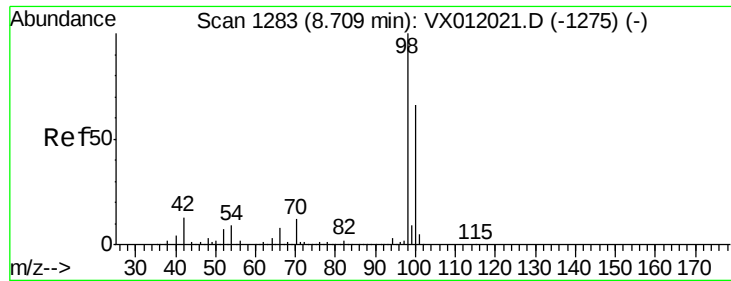


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.811 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012165.D

Acq: 06 Sep 2019 23:08

Instrument :

MSVOA\_X

ClientSampleId :

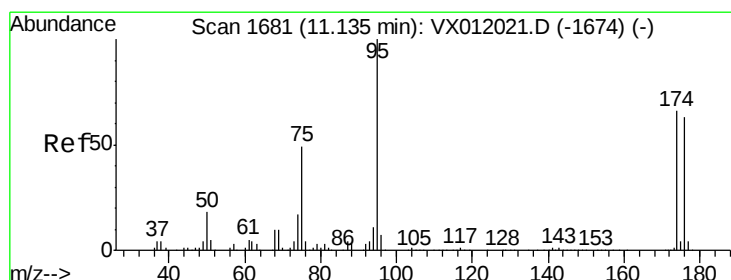
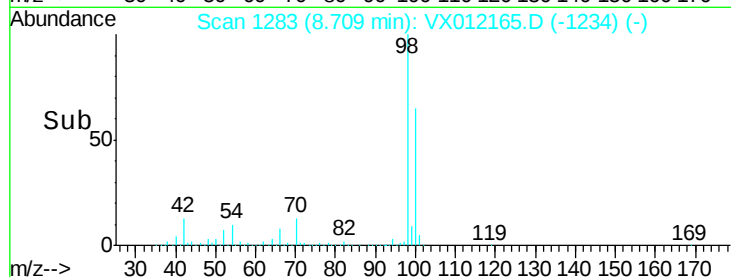
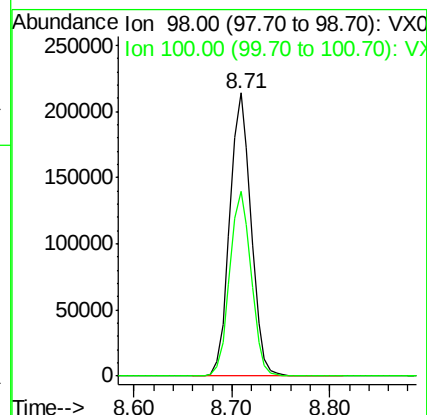
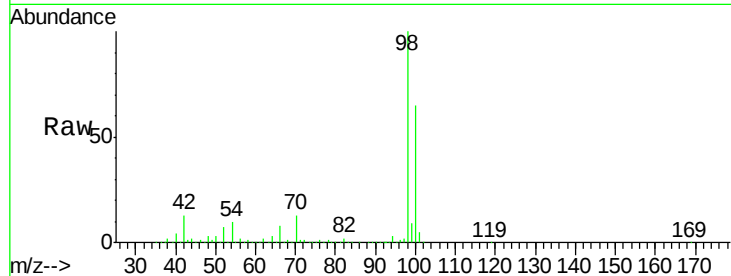
SB-16-(8-10)

Tot Ion: 98 Resp: 324052

Ion Ratio Lower Upper

98 100

100 65.9 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 44.948 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012165.D

Acq: 06 Sep 2019 23:08

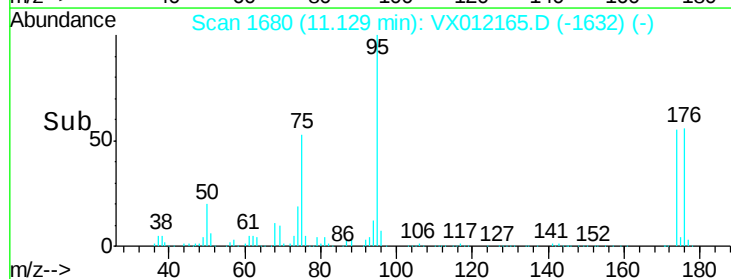
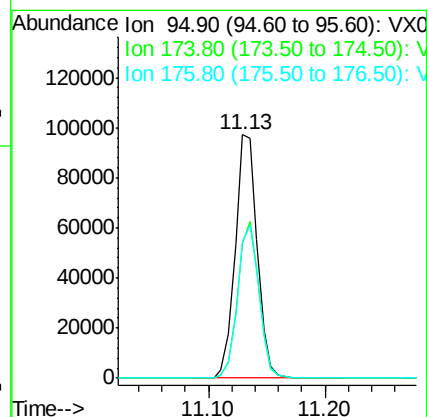
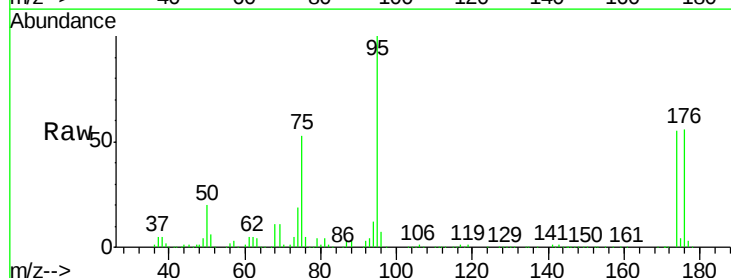
Tgt Ion: 95 Resp: 128266

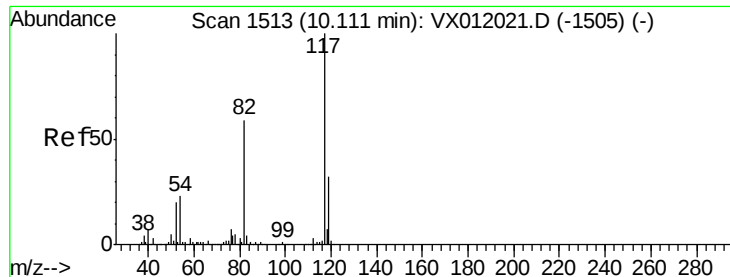
Ion Ratio Lower Upper

95 100

174 62.1 0.0 205.4

176 61.5 0.0 201.8

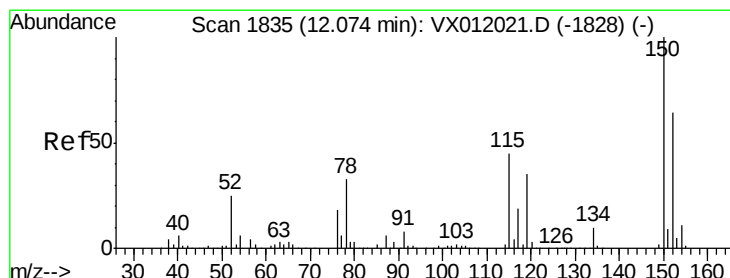
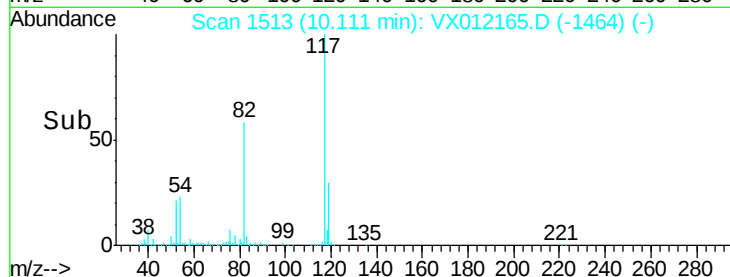
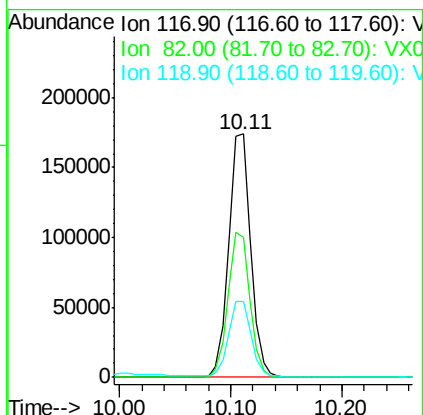
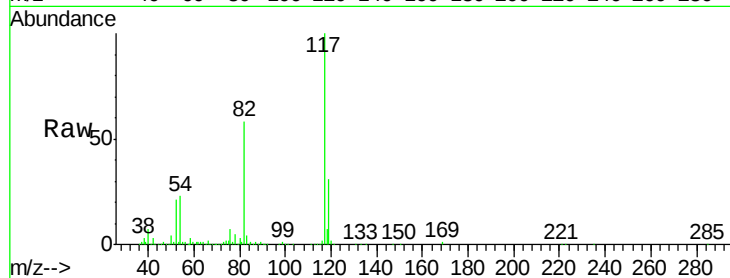




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX012165.D  
Acq: 06 Sep 2019 23:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
SB-16-(8-10)

Tot Ion:117 Resp: 238384  
Ion Ratio Lower Upper  
117 100  
82 57.6 39.4 59.0  
119 31.2 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX012165.D  
Acq: 06 Sep 2019 23:08

Tgt Ion:152 Resp: 103404  
Ion Ratio Lower Upper  
152 100  
115 67.2 36.4 109.3  
150 157.8 0.0 341.2

