

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090819\  
 Data File : VX012213.D  
 Acq On : 08 Sep 2019 10:38  
 Operator : SY/SP  
 Sample : VX0908SBL01  
 Misc : 5.00g/5.0mL/MSVOA X/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0908SBL01

Quant Time: Sep 09 01:59:36 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  | 153273   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 261392   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 229586   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 106267   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.04   | 65  | 101504   | 48.00 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.00%  |      |
| 35) Dibromofluoromethane    | 5.48   | 113 | 76781    | 47.76 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.52%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 309312   | 52.44 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.88% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 124967   | 45.55 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.10%  |      |

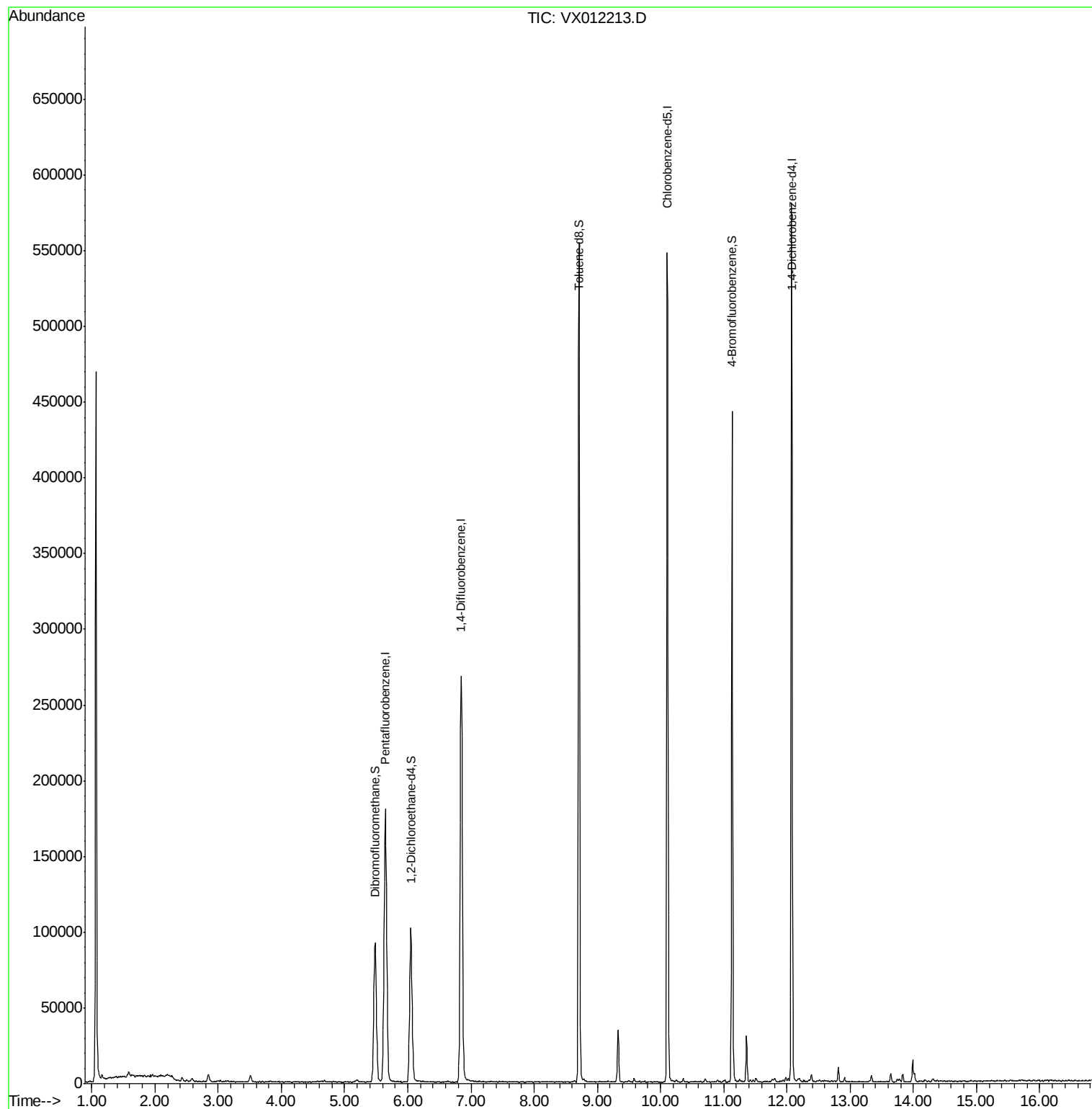
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

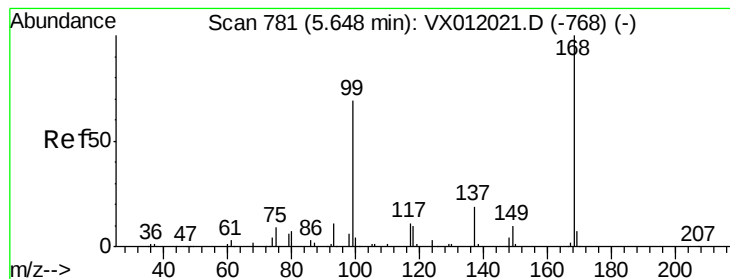
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X090319S.M  
Quant Title : SW846 8260  
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

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Instrument :

MSVOA\_X

ClientSampleId :

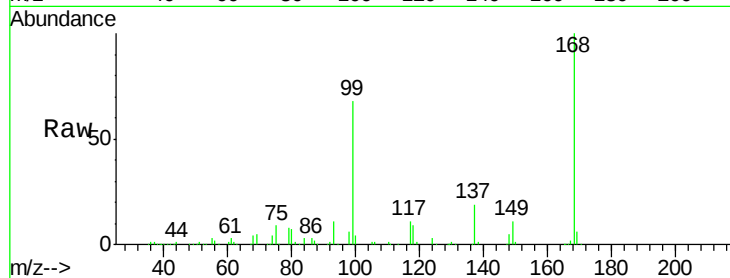
VX0908SBL01

Tot Ion:168 Resp: 153273

Ion Ratio Lower Upper

168 100

99 68.3 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

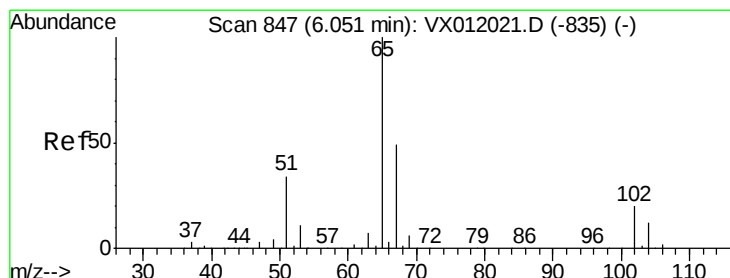
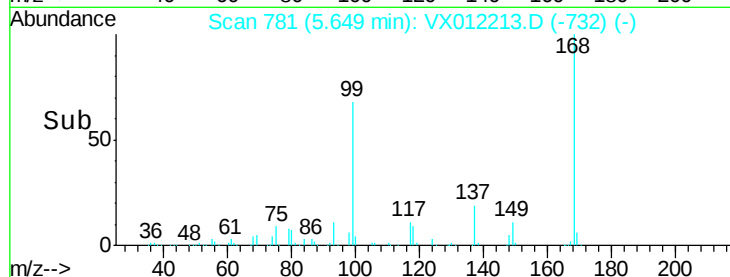
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 47.996 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX012213.D

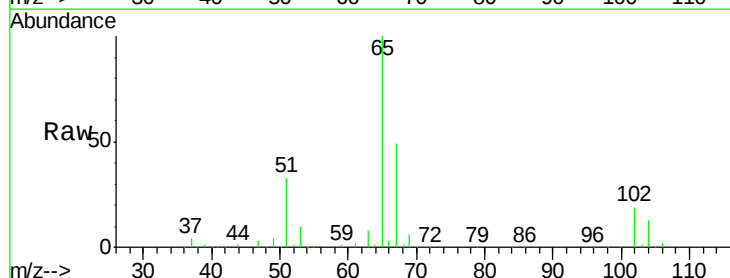
Acq: 08 Sep 2019 10:38

Tgt Ion: 65 Resp: 101504

Ion Ratio Lower Upper

65 100

67 49.9 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

40000

30000

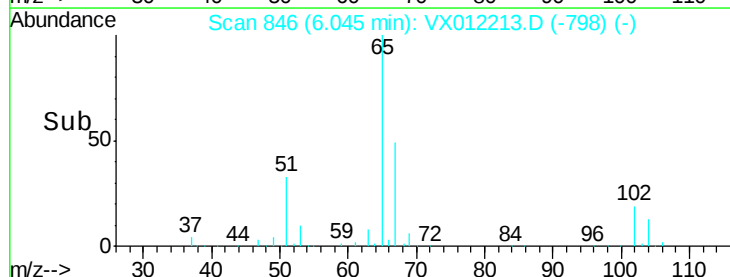
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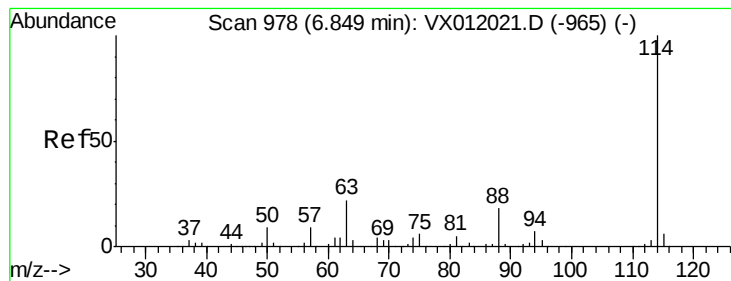
10000

0

Time-->

5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012213.D

Acq: 08 Sep 2019 10:38

Instrument :

MSVOA\_X

ClientSampleId :

VX0908SBL01

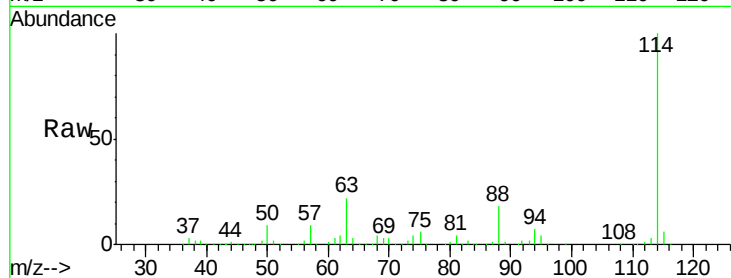
Tot Ion:114 Resp: 261392

Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.4

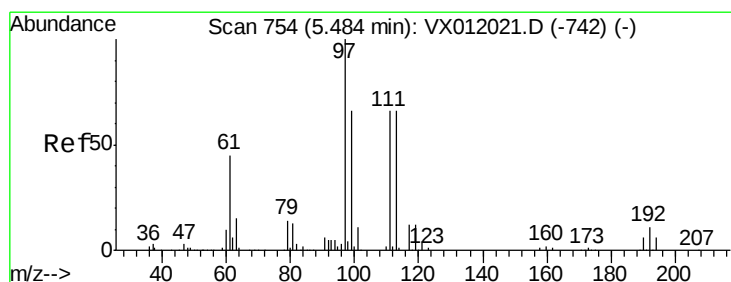
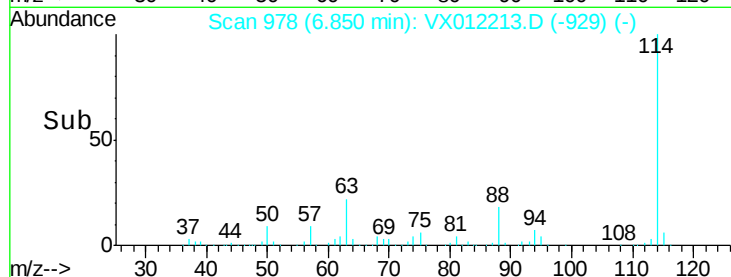
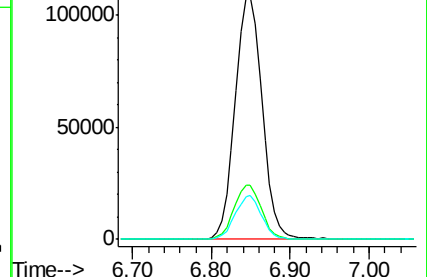
88 17.9 0.0 29.6



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: 47.765 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012213.D

Acq: 08 Sep 2019 10:38

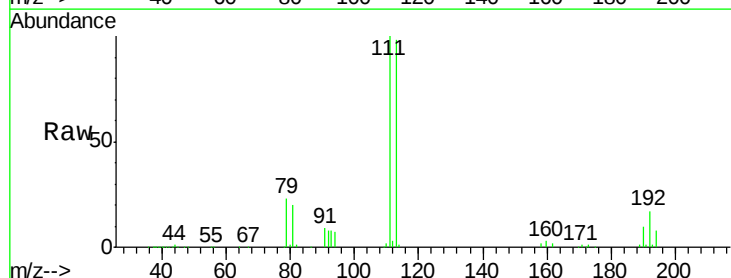
Tgt Ion:113 Resp: 76781

Ion Ratio Lower Upper

113 100

111 104.5 81.7 122.5

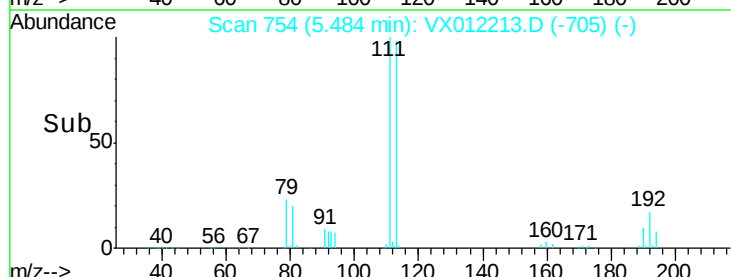
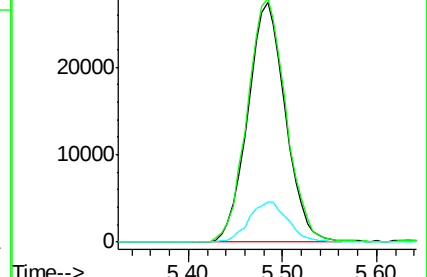
192 17.4 22.5 33.7#

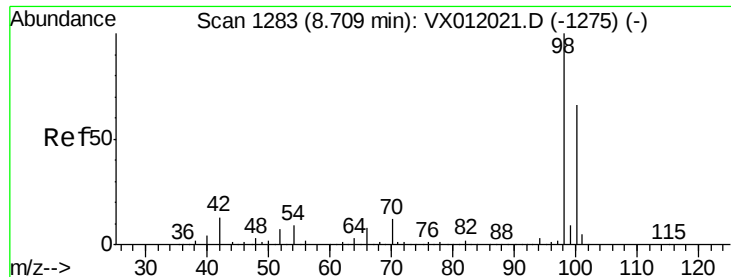


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

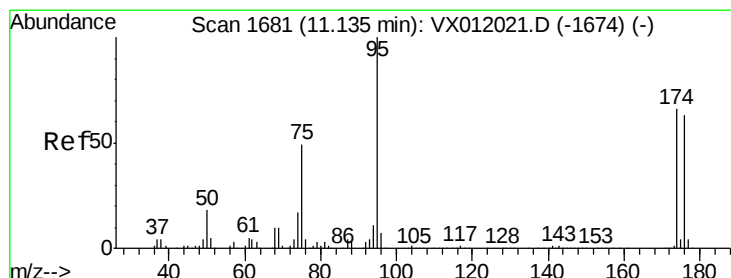
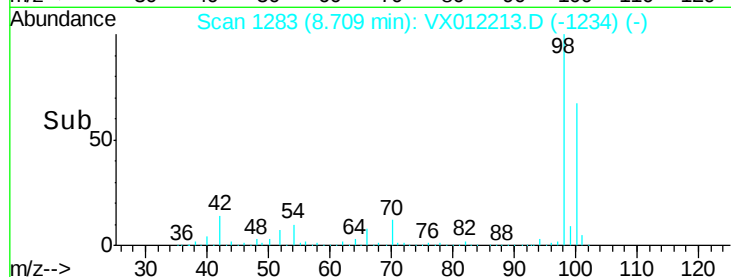
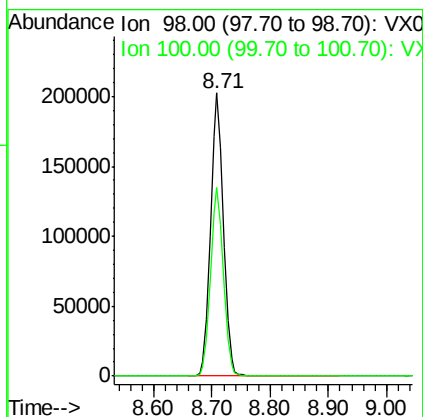
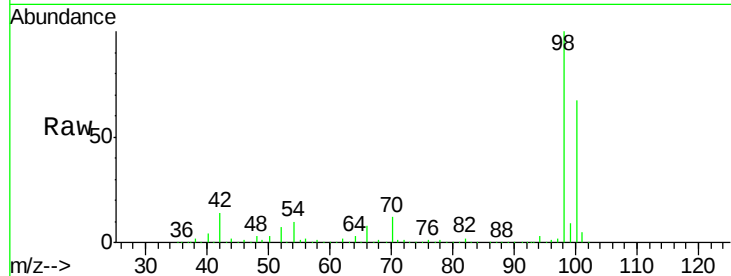




#50  
Toluene-d8  
Concen: 52.437 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX012213.D  
Acq: 08 Sep 2019 10:38

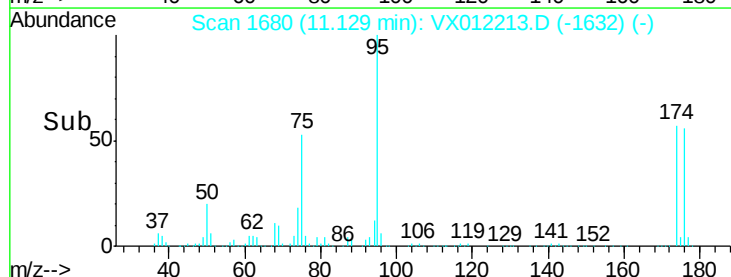
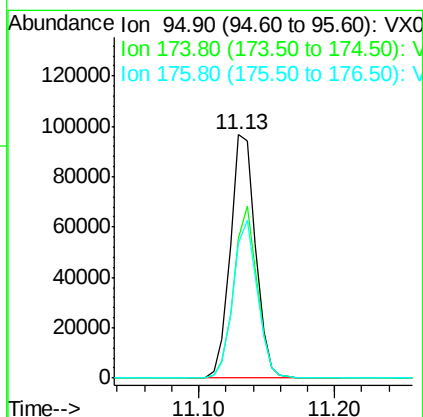
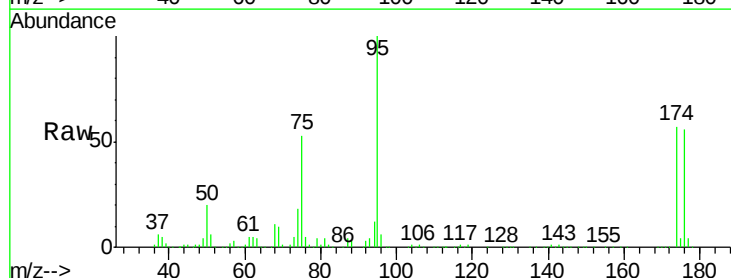
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0908SBL01

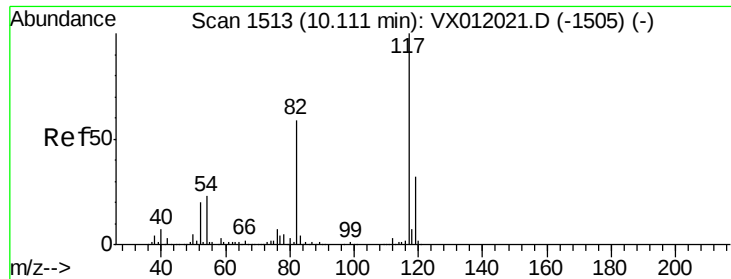
Tot Ion: 98 Resp: 309312  
Ion Ratio Lower Upper  
98 100  
100 67.0 53.3 79.9



#62  
4-Bromofluorobenzene  
Concen: 45.554 ug/l  
RT: 11.13 min Scan# 1680  
Delta R.T. -0.01 min  
Lab File: VX012213.D  
Acq: 08 Sep 2019 10:38

Tgt Ion: 95 Resp: 124967  
Ion Ratio Lower Upper  
95 100  
174 65.7 0.0 205.4  
176 62.4 0.0 201.8

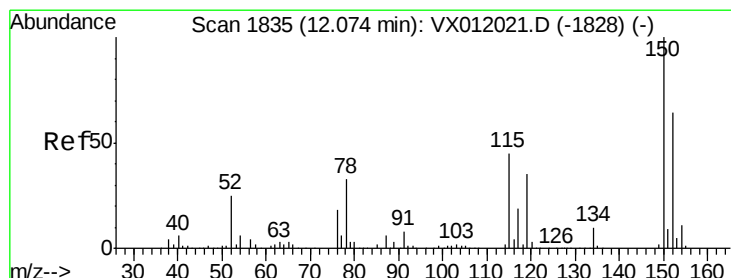
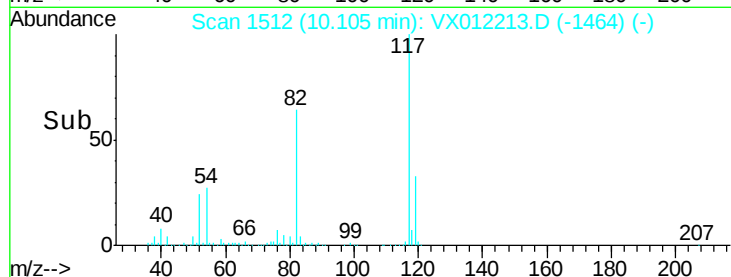
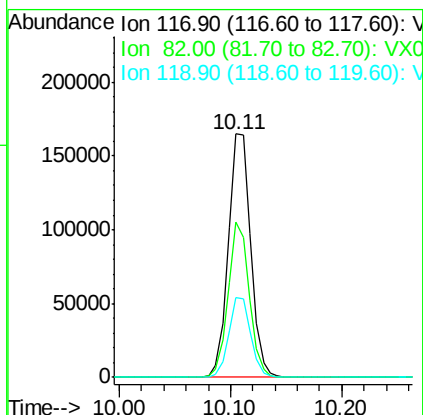
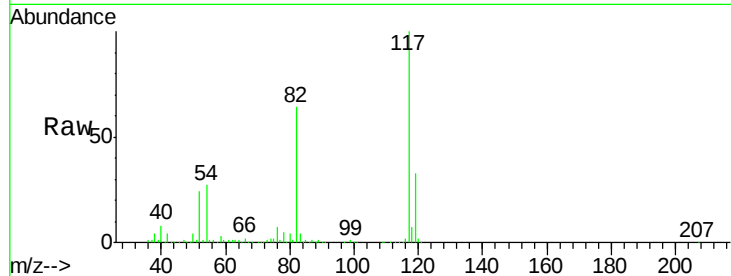




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX012213.D  
Acq: 08 Sep 2019 10:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0908SBL01

Tot Ion:117 Resp: 229586  
Ion Ratio Lower Upper  
117 100  
82 63.9 39.4 59.0#  
119 32.6 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: VX012213.D  
Acq: 08 Sep 2019 10:38

Tgt Ion:152 Resp: 106267  
Ion Ratio Lower Upper  
152 100  
115 66.4 36.4 109.3  
150 159.9 0.0 341.2

