

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090719\  
 Data File : VX012170.D  
 Acq On : 07 Sep 2019 10:30  
 Operator : SY/SP  
 Sample : VX0907SBL01  
 Misc : 5.00g/5.0mL/MSVOA X/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0907SBL01

Quant Time: Sep 08 07:59:43 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      | 5.64  | 168  | 152655   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 265158   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 234327   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 112659   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.04   | 65  | 102063   | 48.46 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.92%  |      |
| 35) Dibromofluoromethane    | 5.48   | 113 | 82766    | 50.76 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.52% |      |
| 50) Toluene-d8              | 8.71   | 98  | 319452   | 53.39 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.78% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 132823   | 47.73 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.46%  |      |

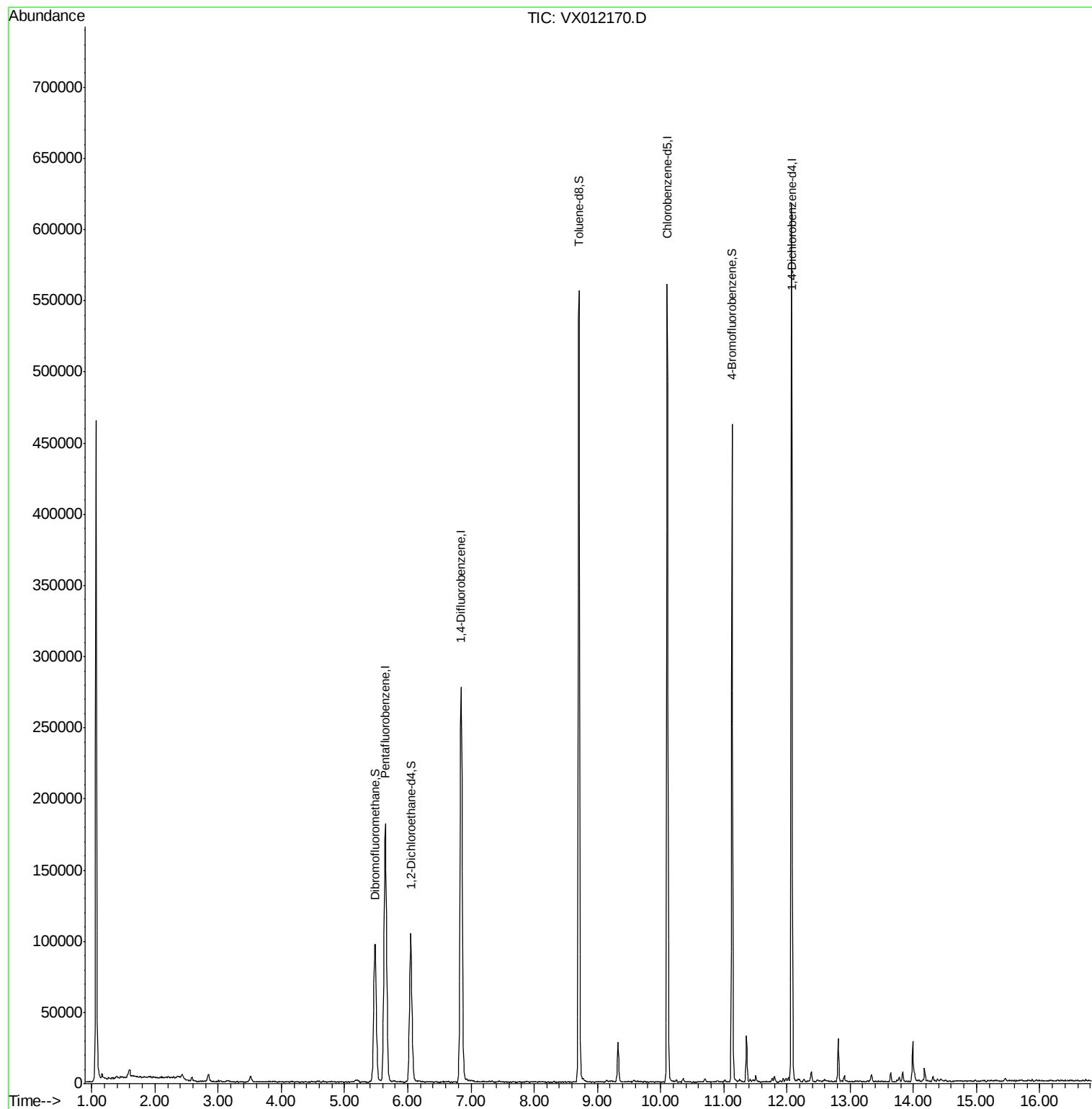
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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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: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012170.D

Acq: 07 Sep 2019 10:30

Instrument :

MSVOA\_X

ClientSampleId :

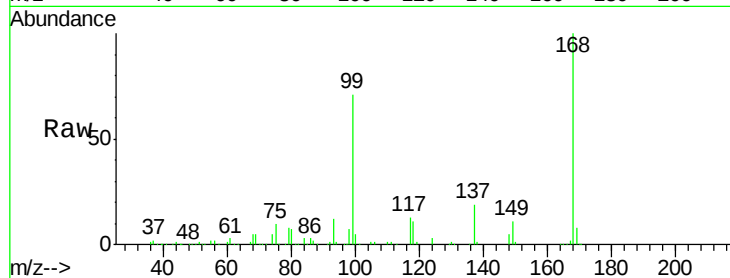
VX0907SBL01

Tot Ion:168 Resp: 152655

Ion Ratio Lower Upper

168 100

99 71.2 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

60000

50000

40000

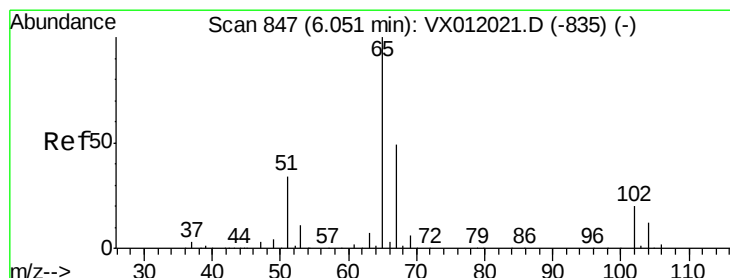
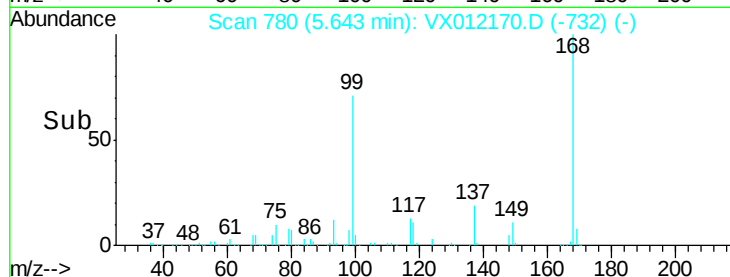
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 48.455 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX012170.D

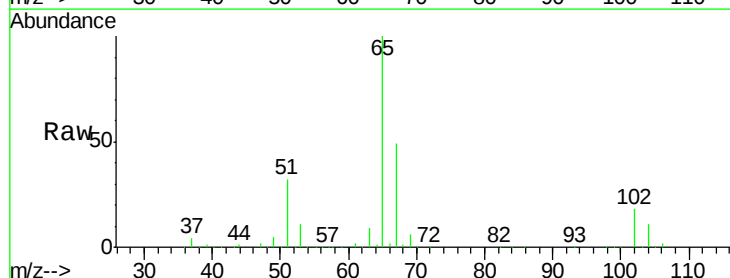
Acq: 07 Sep 2019 10:30

Tgt Ion: 65 Resp: 102063

Ion Ratio Lower Upper

65 100

67 50.7 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

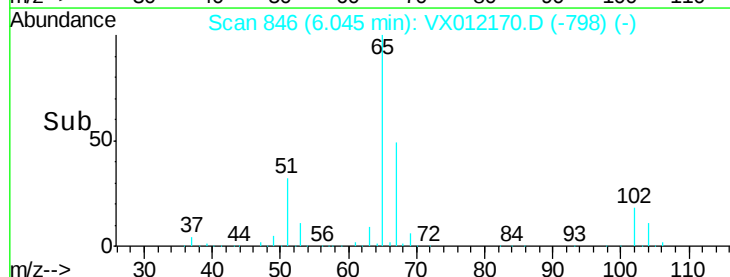
30000

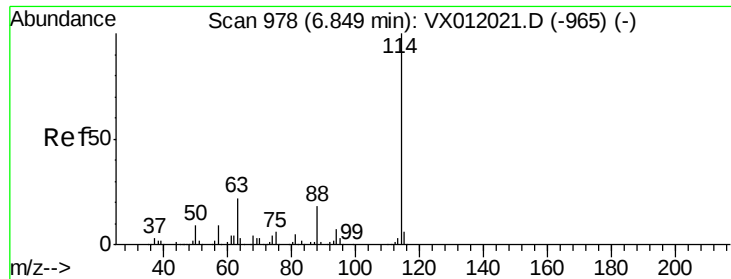
20000

10000

0

Time--> 5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX012170.D

Acq: 07 Sep 2019 10:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0907SBL01

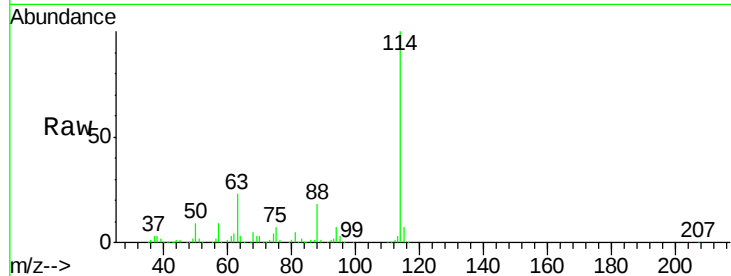
Tot Ion:114 Resp: 265158

Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.4

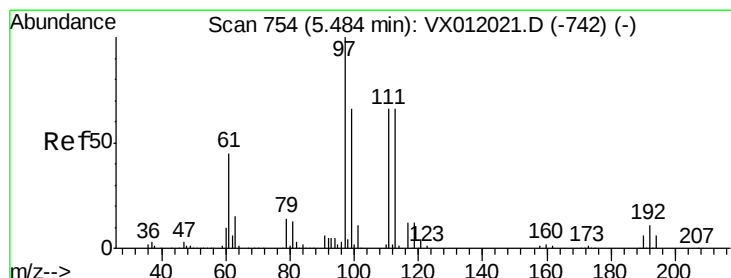
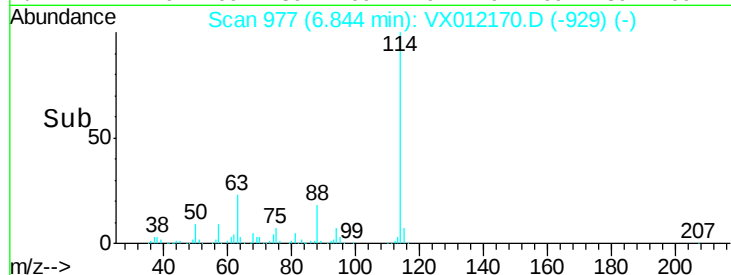
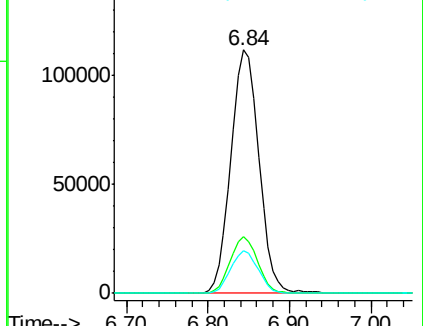
88 17.7 0.0 29.6



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: 50.757 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX012170.D

Acq: 07 Sep 2019 10:30

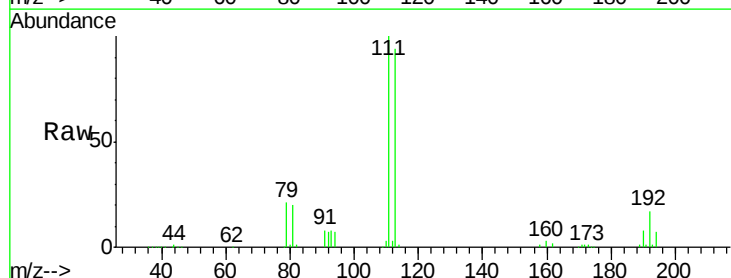
Tgt Ion:113 Resp: 82766

Ion Ratio Lower Upper

113 100

111 103.1 81.7 122.5

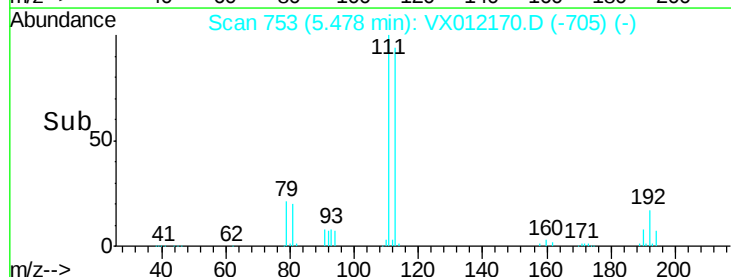
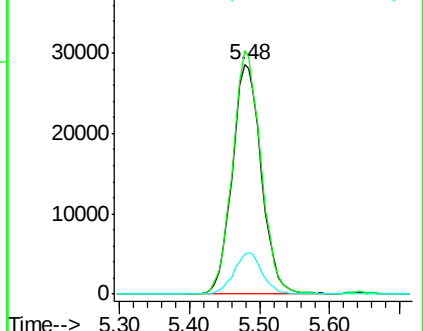
192 17.6 22.5 33.7#

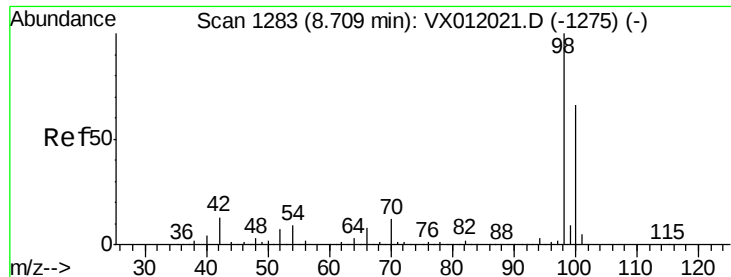


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

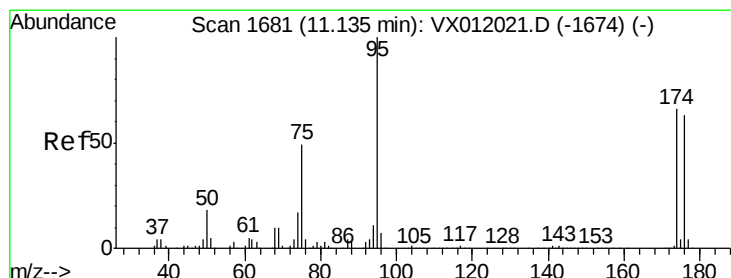
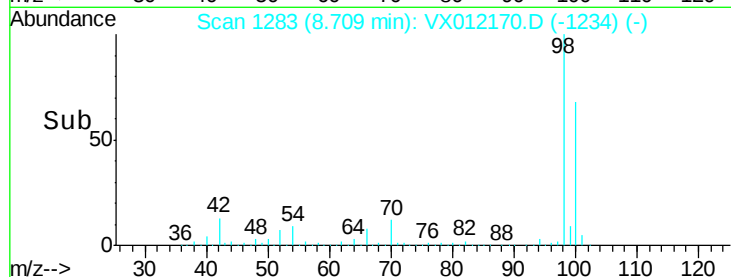
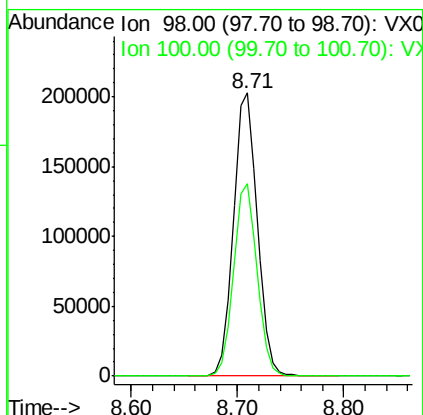
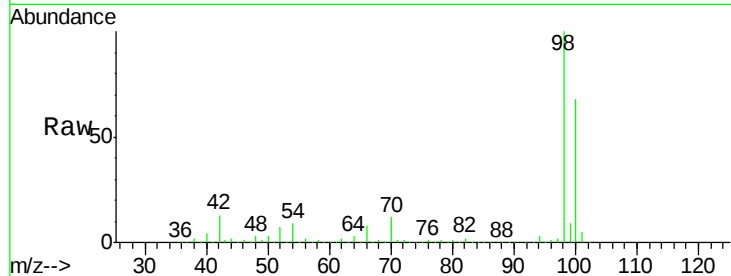




#50  
Toluene-d8  
Concen: 53.387 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX012170.D  
Acq: 07 Sep 2019 10:30

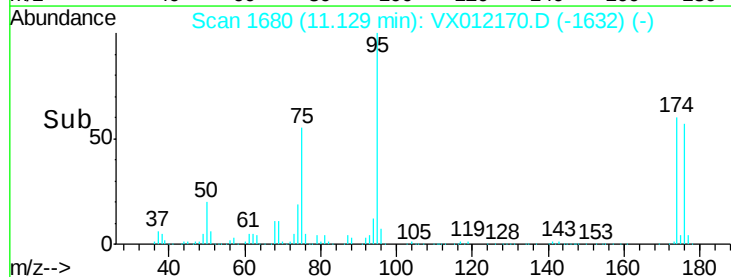
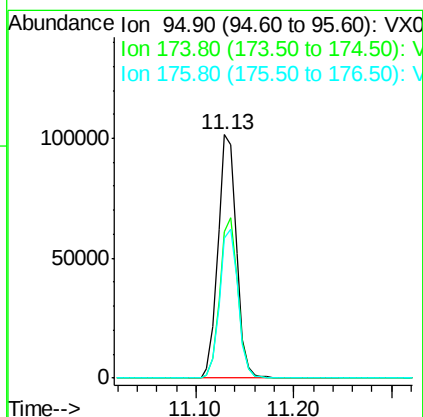
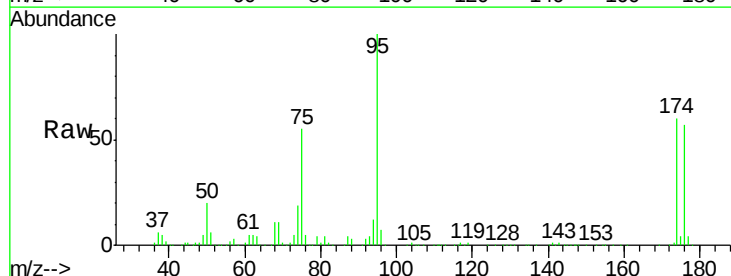
Instrument :  
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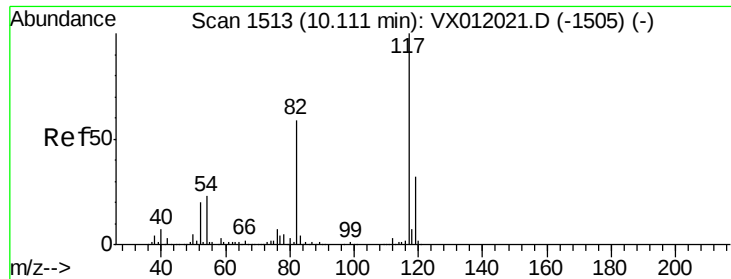
Tot Ion: 98 Resp: 319452  
Ion Ratio Lower Upper  
98 100  
100 67.2 53.3 79.9



#62  
4-Bromofluorobenzene  
Concen: 47.730 ug/l  
RT: 11.13 min Scan# 1680  
Delta R.T. -0.01 min  
Lab File: VX012170.D  
Acq: 07 Sep 2019 10:30

Tgt Ion: 95 Resp: 132823  
Ion Ratio Lower Upper  
95 100  
174 64.1 0.0 205.4  
176 60.9 0.0 201.8

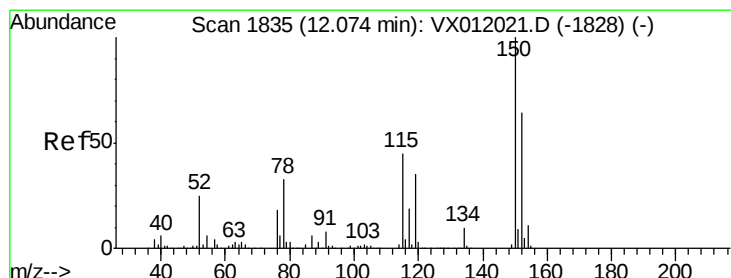
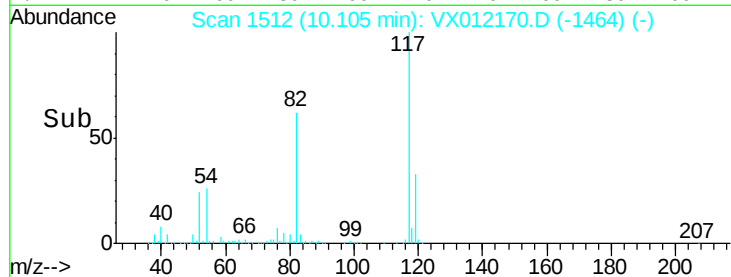
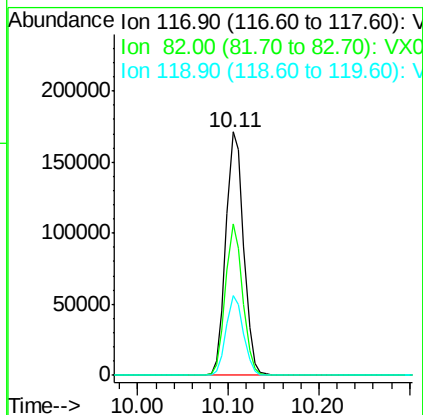
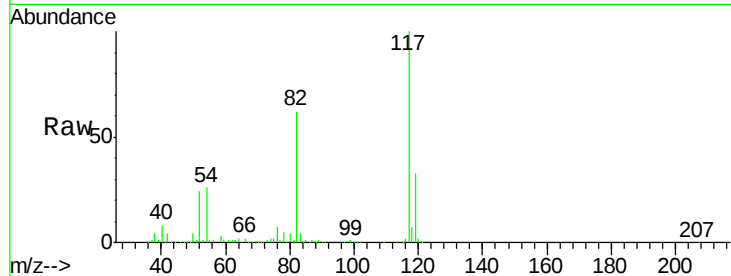




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX012170.D  
Acq: 07 Sep 2019 10:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0907SBL01

Tot Ion:117 Resp: 234327  
Ion Ratio Lower Upper  
117 100  
82 62.0 39.4 59.0#  
119 32.7 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: VX012170.D  
Acq: 07 Sep 2019 10:30

Tgt Ion:152 Resp: 112659  
Ion Ratio Lower Upper  
152 100  
115 66.2 36.4 109.3  
150 160.5 0.0 341.2

