

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080719\  
 Data File : VD063420.D  
 Acq On : 7 Aug 2019 13:14  
 Operator : JC/SY  
 Sample : K4192-04RE  
 Misc : 4.90g/5ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TRIPLE-BARREL-BC-EASTRE

Quant Time: Aug 08 08:24:05 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:04:50 2019  
 Response via : Initial Calibration

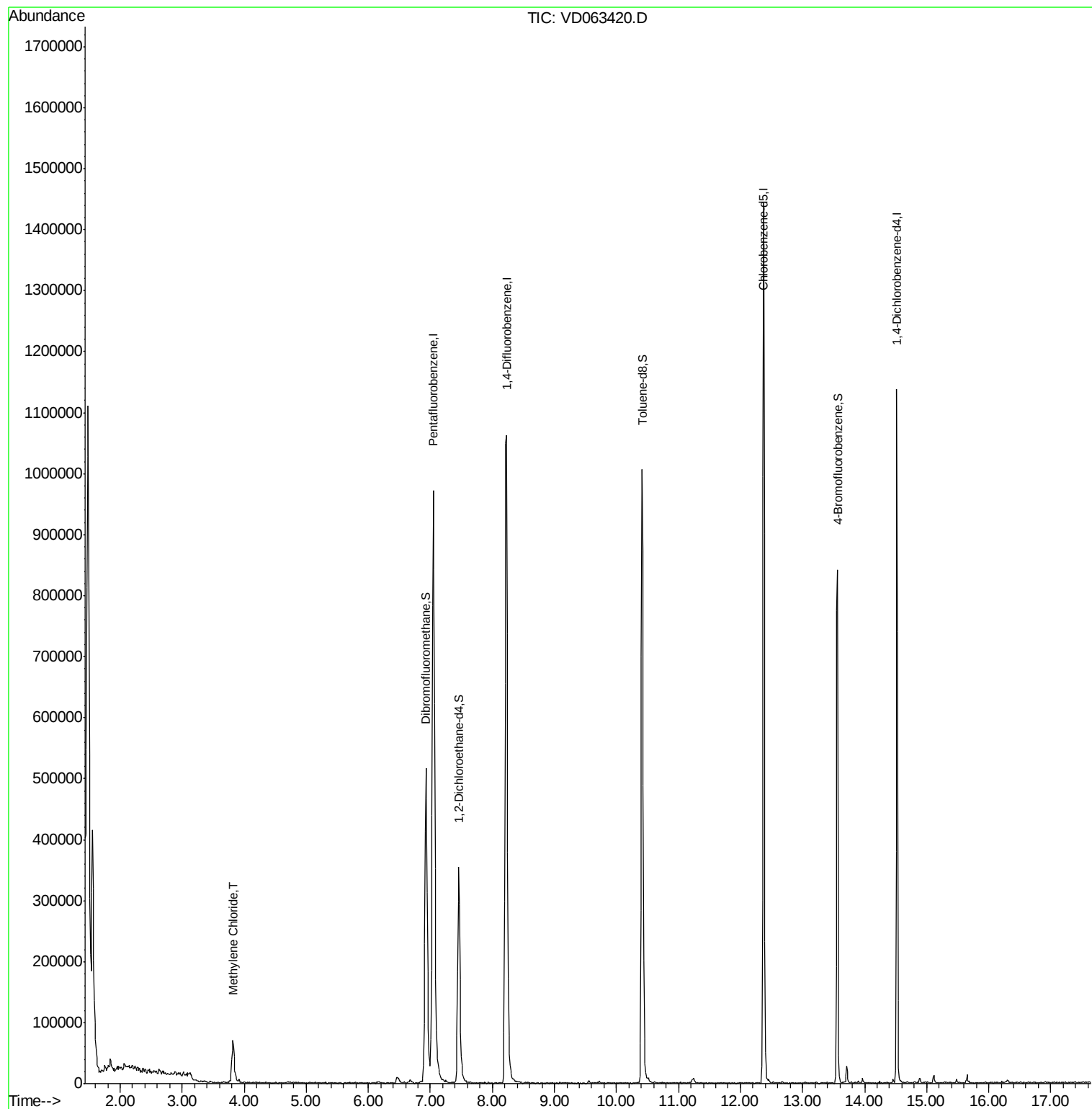
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 7.05  | 168  | 937976   | 50.00 | ug/l   | 0.01      |
| 34) 1,4-Difluorobenzene     | 8.23  | 114  | 1197987  | 50.00 | ug/l   | 0.02      |
| 63) Chlorobenzene-d5        | 12.37 | 117  | 776791   | 50.00 | ug/l   | 0.01      |
| 72) 1,4-Dichlorobenzene-d4  | 14.52 | 152  | 237035   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 7.46  | 65   | 392674   | 37.73 | ug/l   | 0.02      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 75.46% |           |
| 35) Dibromofluoromethane    | 6.93  | 113  | 450242   | 44.02 | ug/l   | 0.02      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.04% |           |
| 50) Toluene-d8              | 10.41 | 98   | 807011   | 35.25 | ug/l   | 0.01      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 70.50% |           |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 247468   | 23.72 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 47.44% |           |
| Target Compounds            |       |      |          |       |        |           |
| 20) Methylene Chloride      | 3.82  | 84   | 43810    | 5.345 | ug/l   | Qvalue 96 |

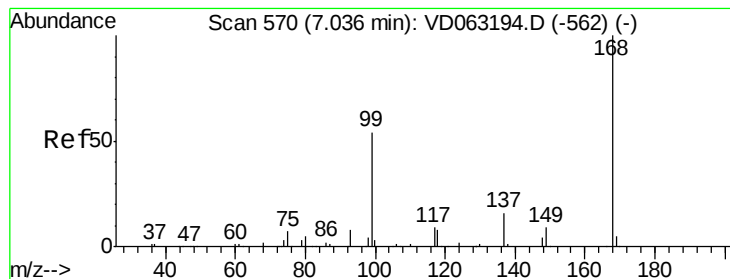
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080719\  
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TRIPLE-BARREL-BC-EASTRE

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:04:50 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

Instrument :

MSVOA\_D

ClientSampleId :

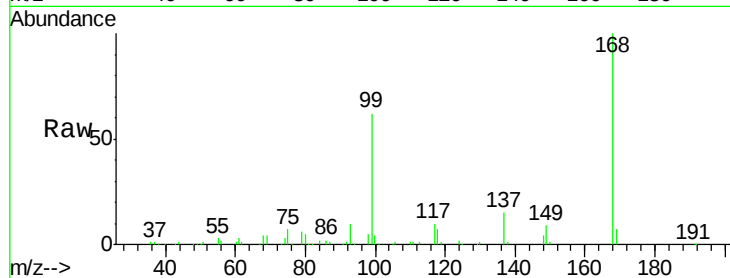
TRIPLE-BARREL-BC-EASTRE

Tot Ion:168 Resp: 937976

Ion Ratio Lower Upper

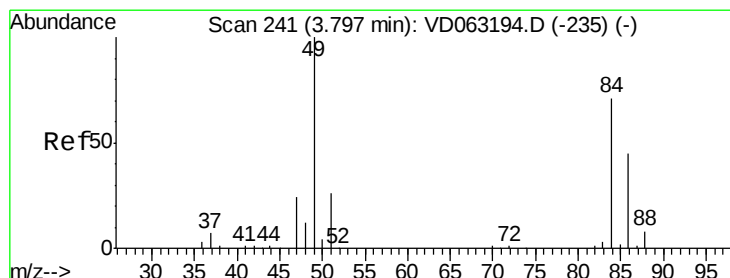
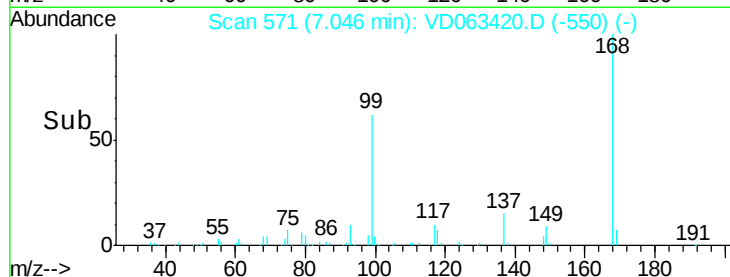
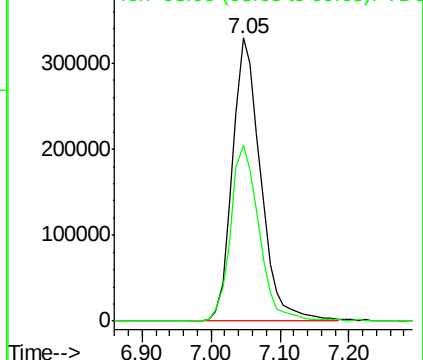
168 100

99 62.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 5.345 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

Tgt Ion: 84 Resp: 43810

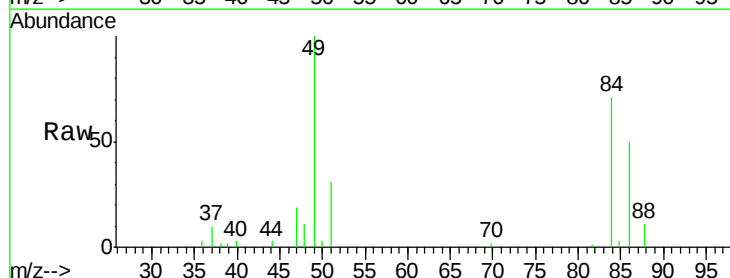
Ion Ratio Lower Upper

84 100

49 140.8 112.5 168.7

51 43.3 29.6 44.4

86 70.4 50.4 75.6

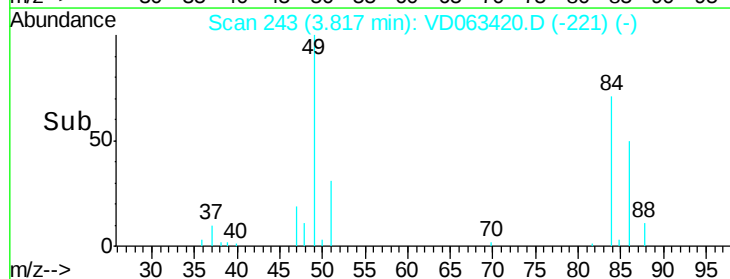
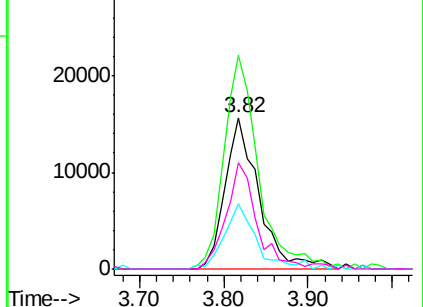


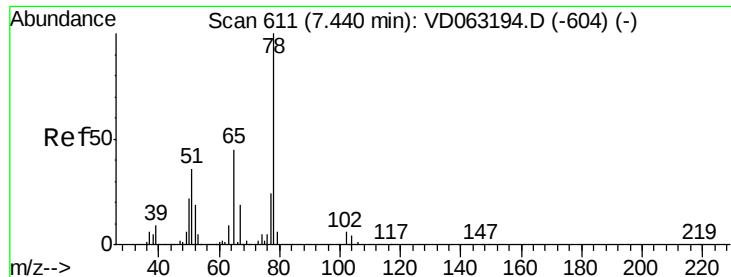
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

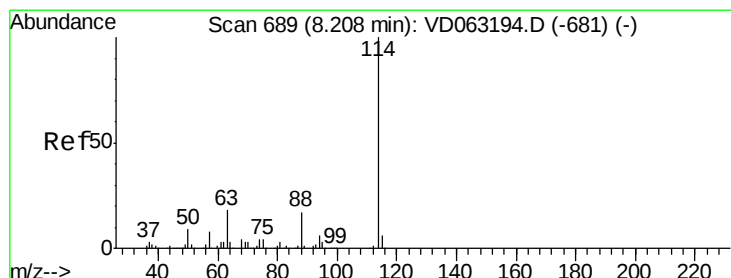
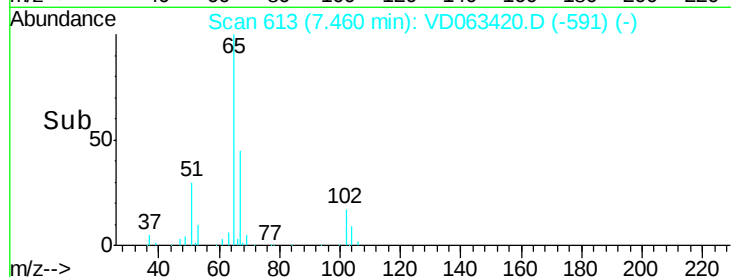
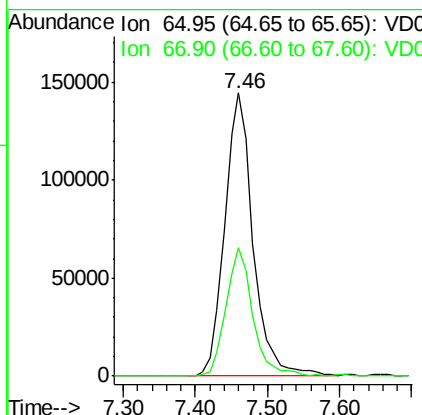
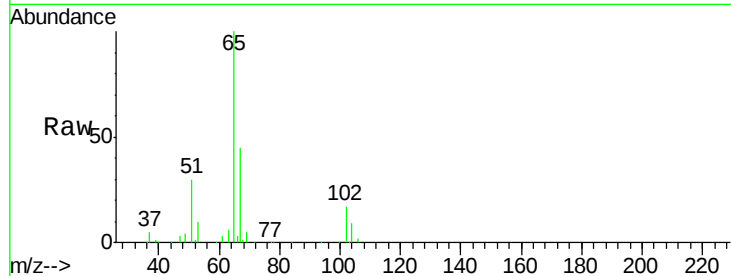




#33  
 1,2-Dichloroethane-d4  
 Concen: 37.729 ug/l  
 RT: 7.46 min Scan# 613  
 Delta R.T. 0.02 min  
 Lab File: VD063420.D  
 Acq: 7 Aug 2019 13:14

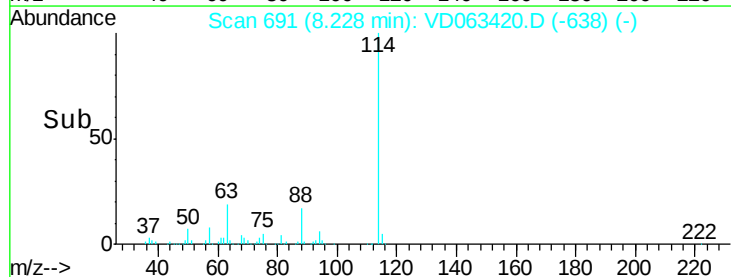
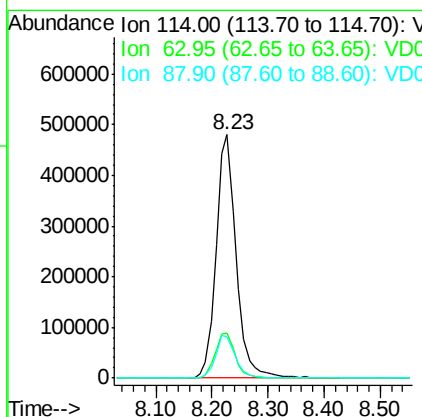
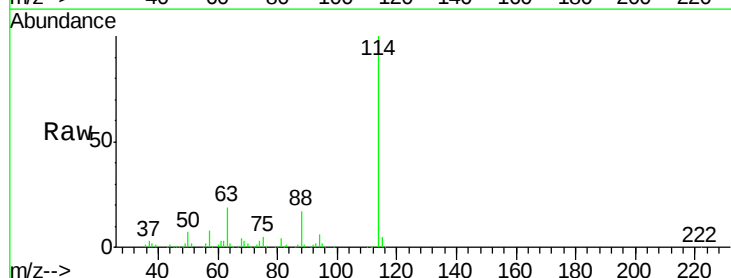
Instrument :  
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 TRIPLE-BARREL-BC-EASTRE

Tot Ion: 65 Resp: 392674  
 Ion Ratio Lower Upper  
 65 100  
 67 45.4 0.0 85.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.23 min Scan# 691  
 Delta R.T. 0.02 min  
 Lab File: VD063420.D  
 Acq: 7 Aug 2019 13:14

Tgt Ion: 114 Resp: 1197987  
 Ion Ratio Lower Upper  
 114 100  
 63 18.7 0.0 35.2  
 88 17.1 0.0 34.6

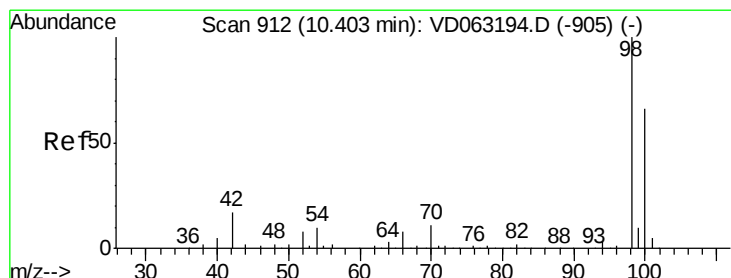
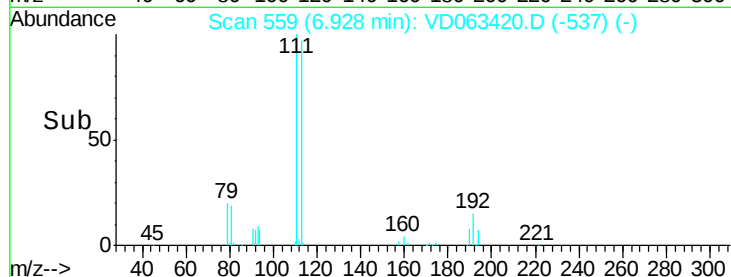
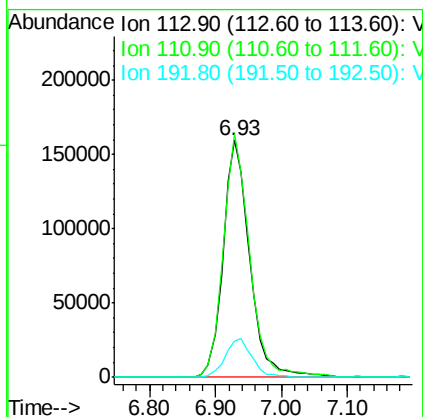
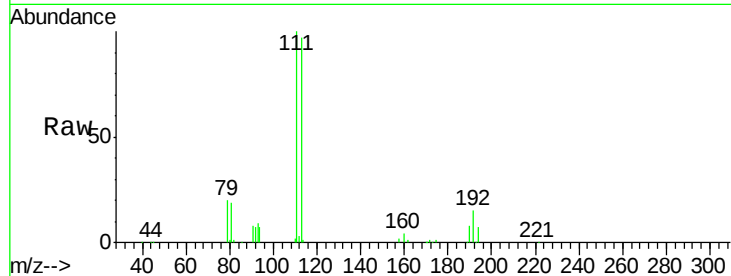




#35  
 Dibromofluoromethane  
 Concen: 44.019 ug/l  
 RT: 6.93 min Scan# 559  
 Delta R.T. 0.02 min  
 Lab File: VD063420.D  
 Acq: 7 Aug 2019 13:14

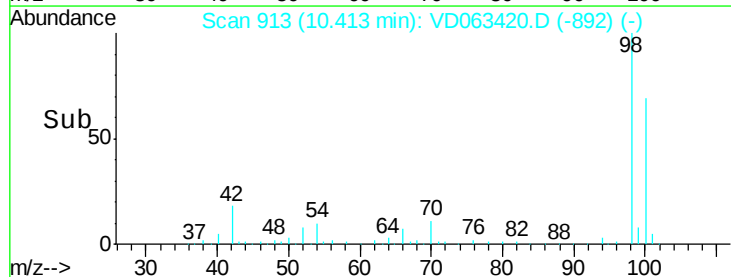
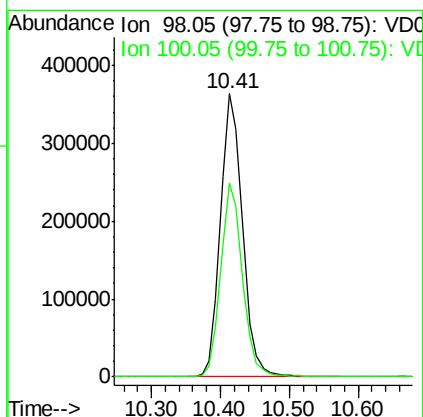
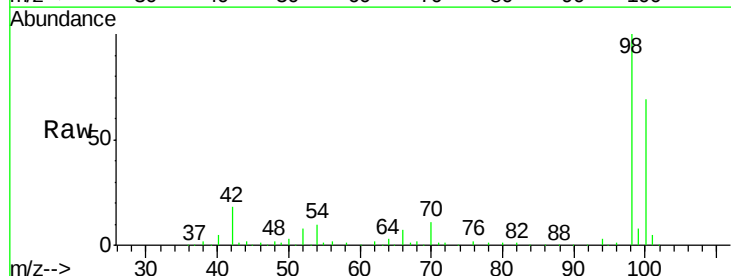
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TRIPLE-BARREL-BC-EASTRE

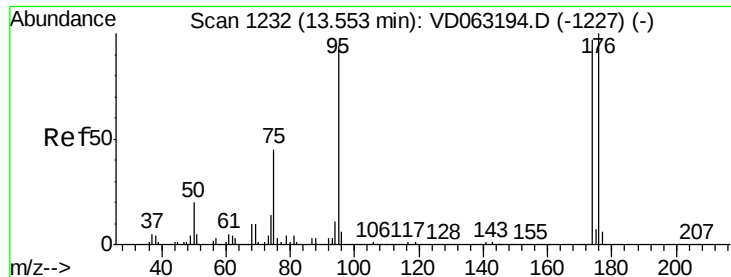
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.7 | 83.2  | 124.8 |
| 192     | 15.4  | 11.8  | 17.8  |



#50  
 Toluene-d8  
 Concen: 35.255 ug/l  
 RT: 10.41 min Scan# 913  
 Delta R.T. 0.01 min  
 Lab File: VD063420.D  
 Acq: 7 Aug 2019 13:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 68.7  | 53.2  | 79.8  |

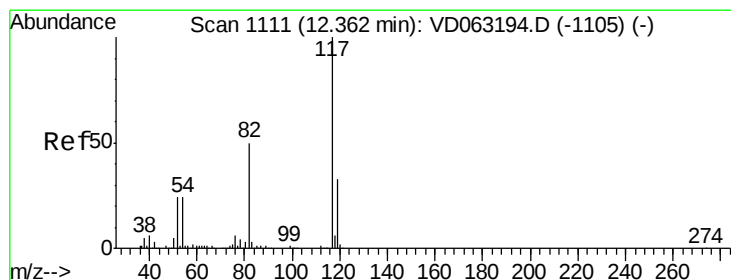
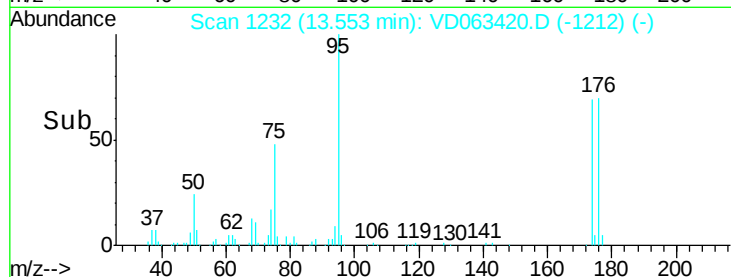
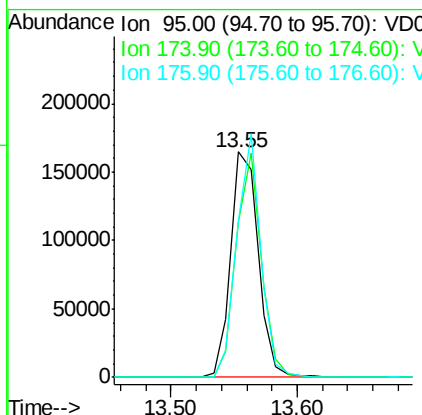
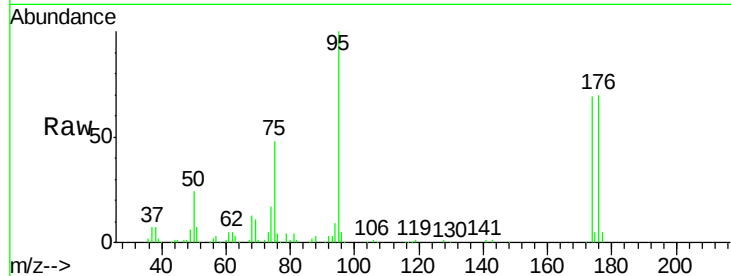




#62  
4-Bromofluorobenzene  
Concen: 23.724 ug/l  
RT: 13.55 min Scan# 1232  
Delta R.T. 0.00 min  
Lab File: VD063420.D  
Acq: 7 Aug 2019 13:14

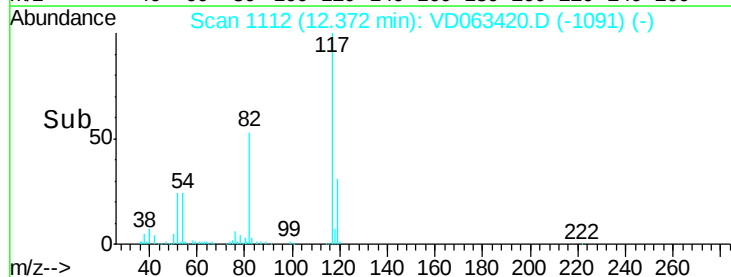
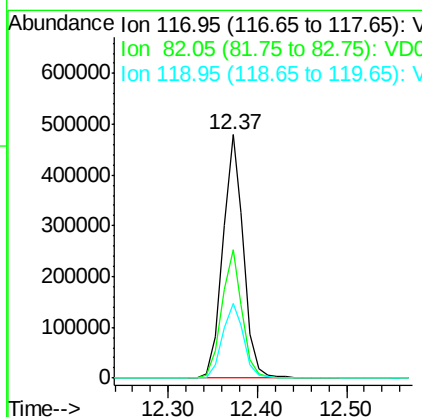
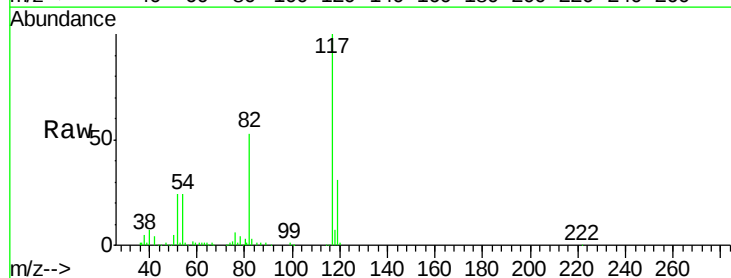
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TRIPLE-BARREL-BC-EASTRE

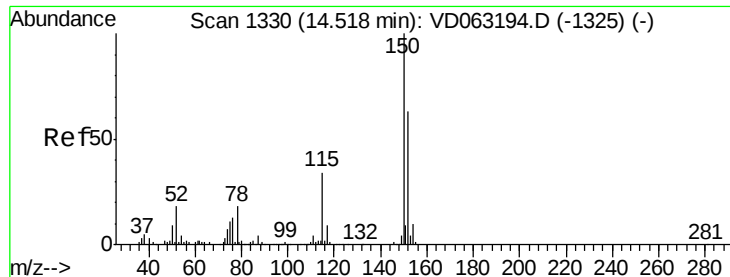
| Tot Ion   | 95    | Resp  | 247468 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 69.0  | 0.0   | 205.4  |
| 176       | 69.7  | 0.0   | 211.8  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1112  
Delta R.T. 0.01 min  
Lab File: VD063420.D  
Acq: 7 Aug 2019 13:14

| Tgt Ion   | 117   | Resp  | 776791 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 52.5  | 40.1  | 60.1   |
| 119       | 30.9  | 26.5  | 39.7   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063420.D

Acq: 7 Aug 2019 13:14

Instrument :

MSVOA\_D

ClientSampleId :

TRIPLE-BARREL-BC-EASTRE

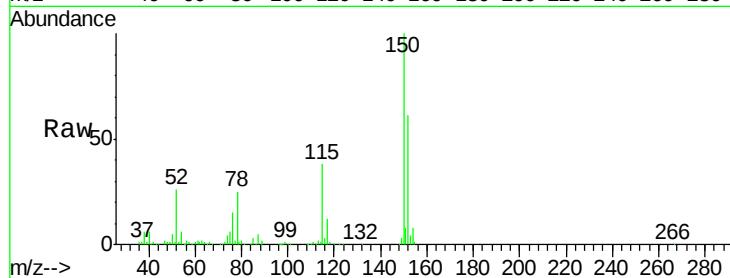
Tot Ion:152 Resp: 237035

Ion Ratio Lower Upper

152 100

115 62.5 27.5 82.4

150 164.5 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

