

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072518\  
 Data File : VF059663.D  
 Acq On : 25 Jul 2018 17:44  
 Operator : VA/AP  
 Sample : J4106-01  
 Misc : 5.02g/5mL/MSVOA F/SOIL  
 ALS Vial : 88 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 MOLA-BOULEVARD

Quant Time: Jul 26 03:44:15 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F072418S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 25 02:29:31 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|------|------|----------|------|-------|----------|
| 1) Pentafluorobenzene      | 0.00 | 168  | 0        | 0.00 | ug/l  | -5.02    |
| 34) 1,4-Difluorobenzene    | 0.00 | 114  | 0        | 0.00 | ug/l  | -5.75    |
| 63) Chlorobenzene-d5       | 0.00 | 117  | 0        | 0.00 | ug/l  | -9.91    |
| 72) 1,4-Dichlorobenzene-d4 | 0.00 | 152  | 0        | 0.00 | ug/l  | -12.62   |

| System Monitoring Compounds |        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|-------|------|----------|------|-------|----------|
| 33) 1,2-Dichloroethane-d4   |        | 4.86  | 65   | 59       | 0.00 | ug/l  | -0.14    |
| Spiked Amount               | 50.000 |       |      | Recovery | =    | 0.00% |          |
| 35) Dibromofluoromethane    |        | 0.00  | 113  | 0        | 0.00 | ug/l  |          |
| Spiked Amount               | 50.000 |       |      | Recovery | =    | 0.00% |          |
| 50) Toluene-d8              |        | 7.77  | 98   | 83       | 0.00 | ug/l  | 0.08     |
| Spiked Amount               | 50.000 |       |      | Recovery | =    | 0.00% |          |
| 62) 4-Bromofluorobenzene    |        | 11.49 | 95   | 74       | 0.00 | ug/l  | -0.01    |
| Spiked Amount               | 50.000 |       |      | Recovery | =    | 0.00% |          |

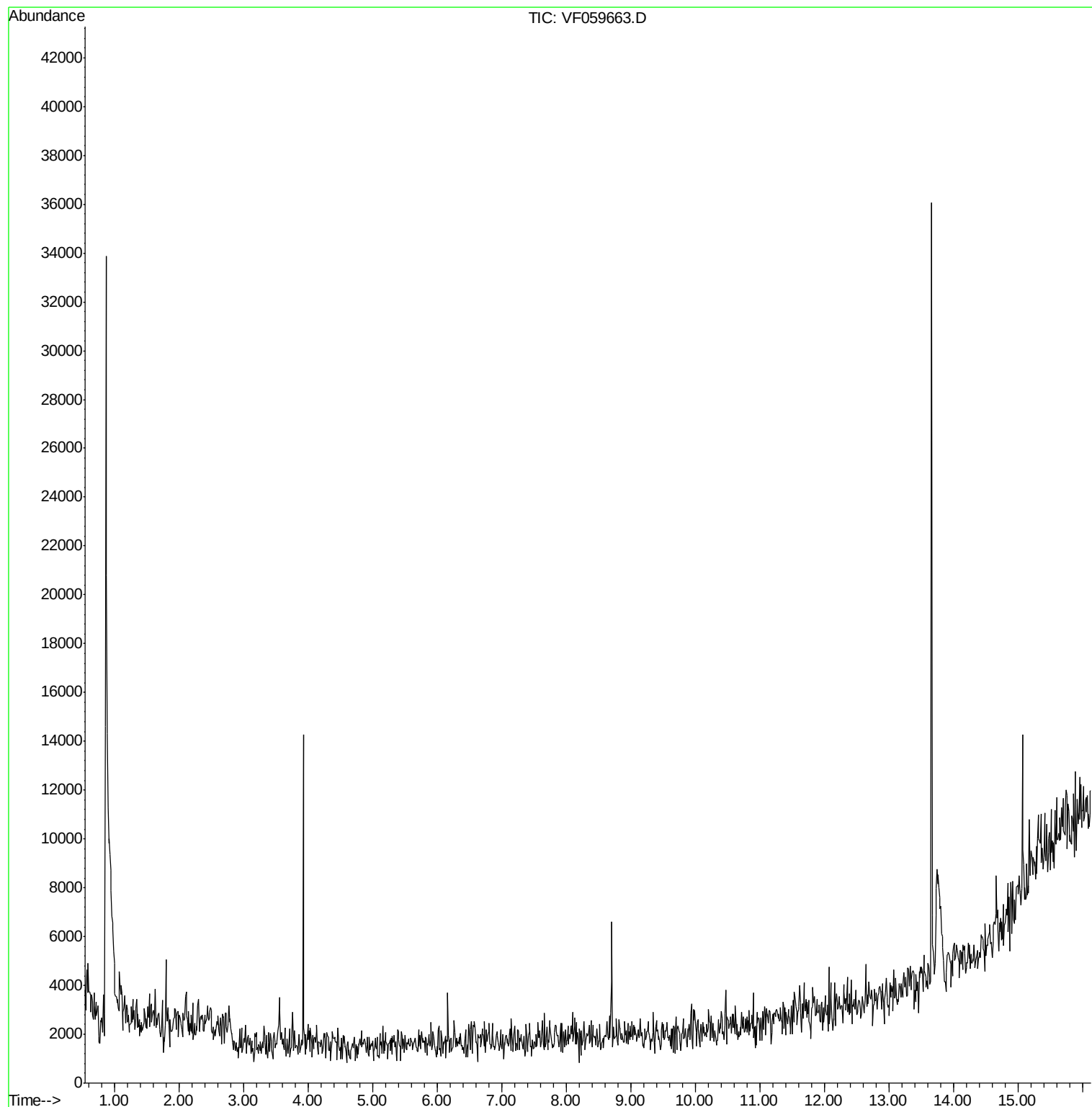
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

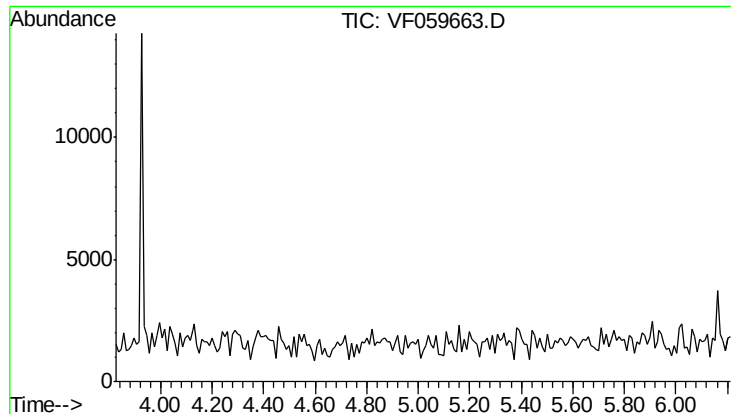
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.00 ug/l

Expected RT: 5.02 min

Lab File: VF059663.D

Acq: 25 Jul 2018 17:44

Tot Ion: 168

Sig Exp Ratio

168 100

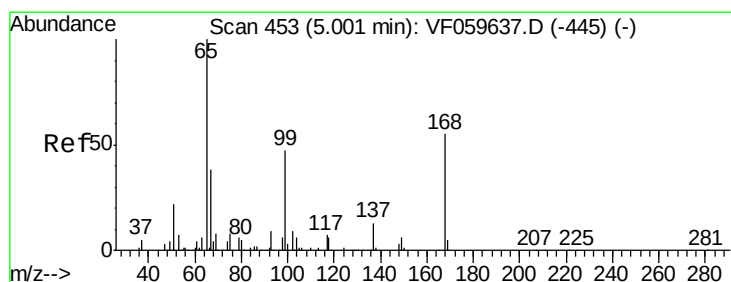
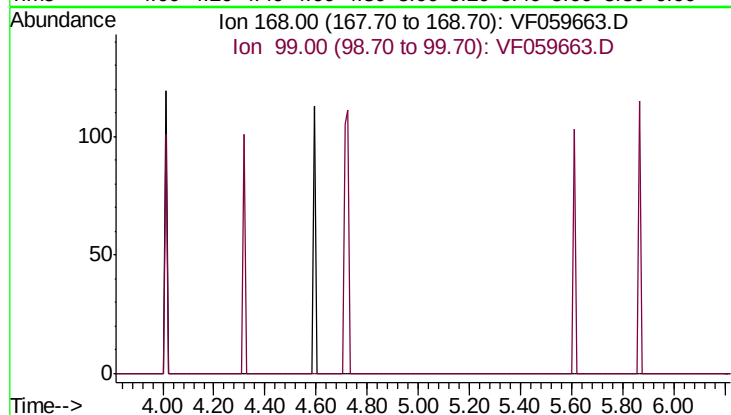
99 74.4

Instrument :

MSVOA\_F

ClientSampleId :

MOLA-BOULEVARD



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

RT: 4.86 min Scan# 439

Delta R.T. -0.14 min

Lab File: VF059663.D

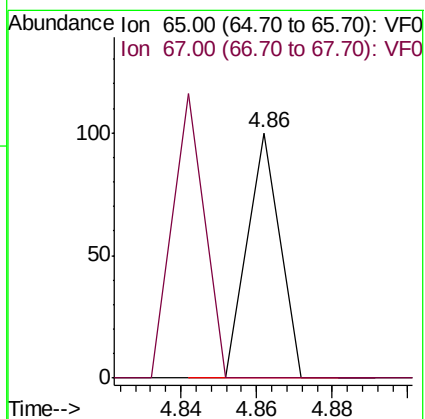
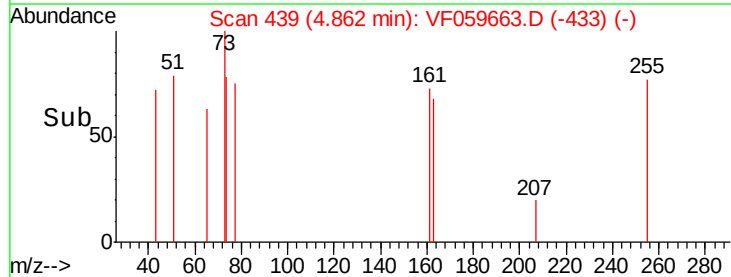
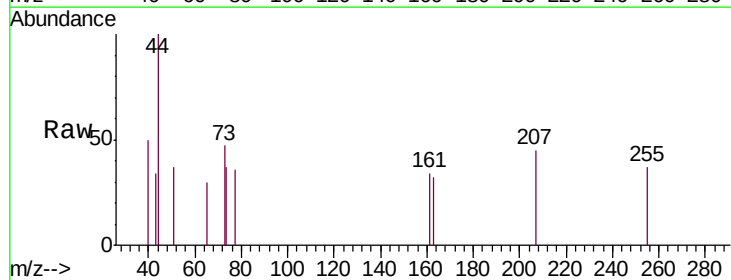
Acq: 25 Jul 2018 17:44

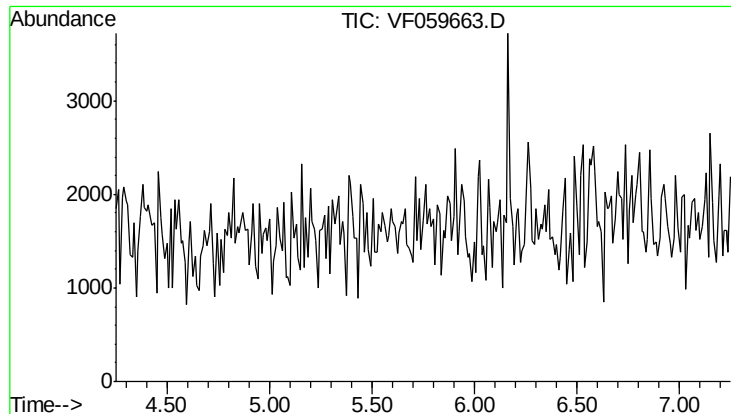
Tgt Ion: 65 Resp: 59

Ion Ratio Lower Upper

65 100

67 0.0 0.0 86.6

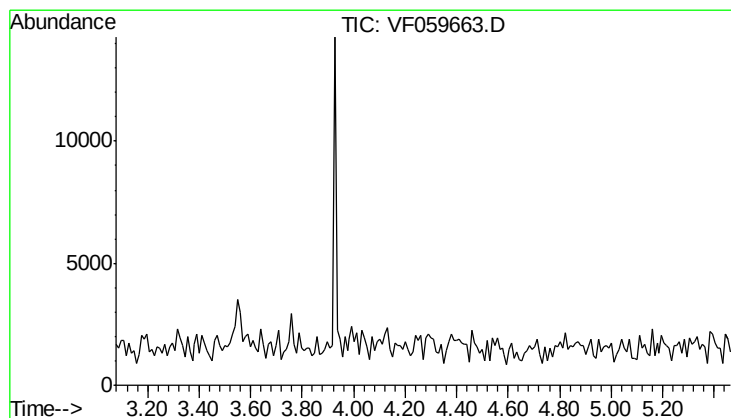
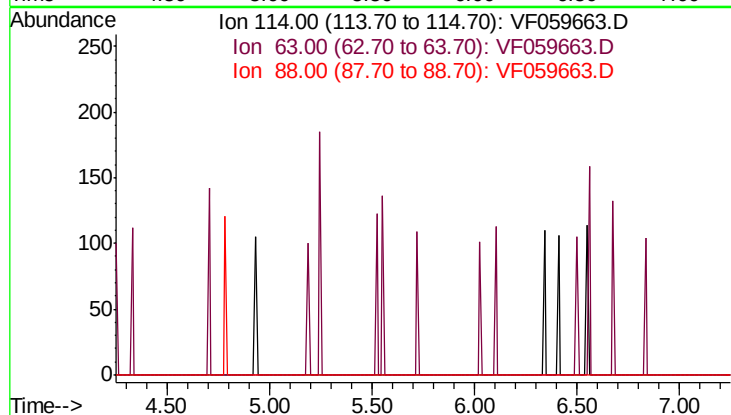




#34  
 1,4-Difluorobenzene  
 Concen: 0.00 ug/l  
 Expected RT: 5.75 min  
 Lab File: VF059663.D  
 Acq: 25 Jul 2018 17:44

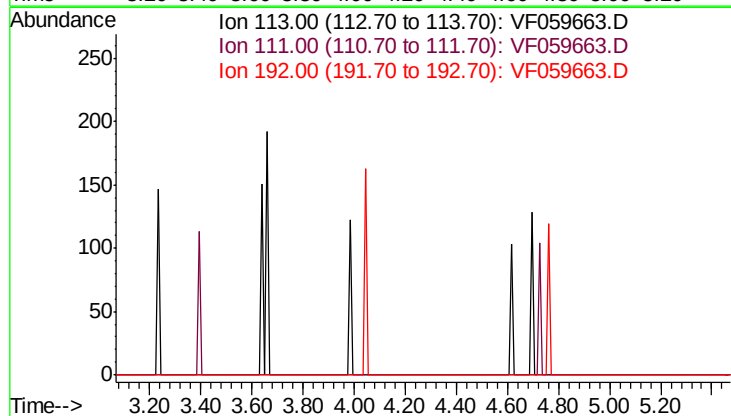
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 MOLA-BOULEVARD

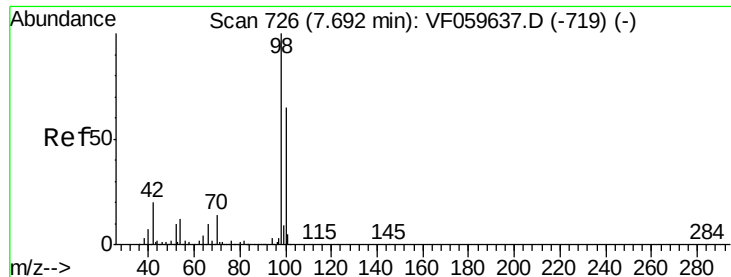
| Tot Ion | 114       |
|---------|-----------|
| Sig     | Exp Ratio |
| 114     | 100       |
| 63      | 22.8      |
| 88      | 20.4      |



#35  
 Dibromofluoromethane  
 Concen: 0.00 ug/l  
 Expected RT: 4.27 min  
 Lab File: VF059663.D  
 Acq: 25 Jul 2018 17:44

| Tgt Ion | 113       |
|---------|-----------|
| Sig     | Exp Ratio |
| 113     | 100       |
| 111     | 99.1      |
| 192     | 16.8      |

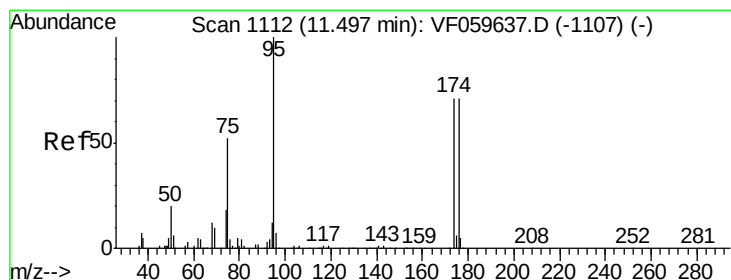
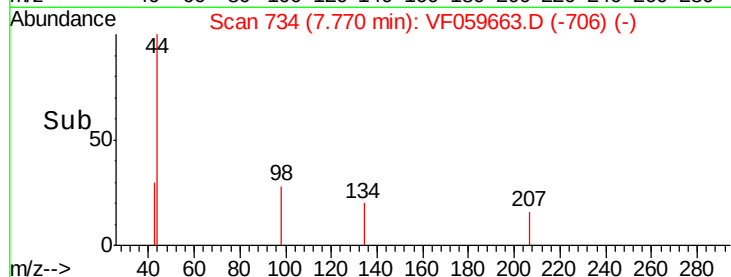
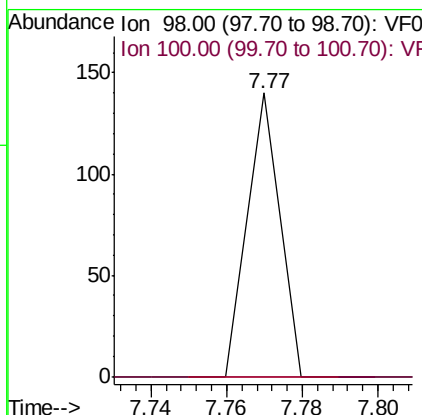
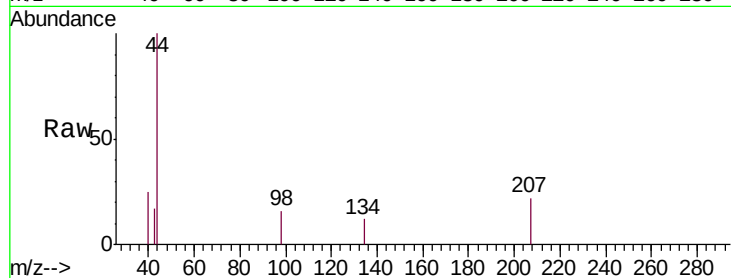




#50  
Toluene-d8  
Concen: 0.00 ug/l  
RT: 7.77 min Scan# 734  
Delta R.T. 0.08 min  
Lab File: VF059663.D  
Acq: 25 Jul 2018 17:44

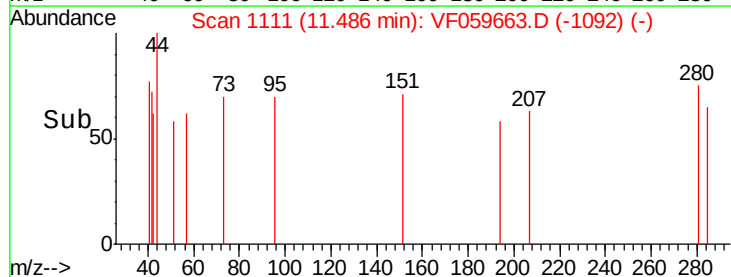
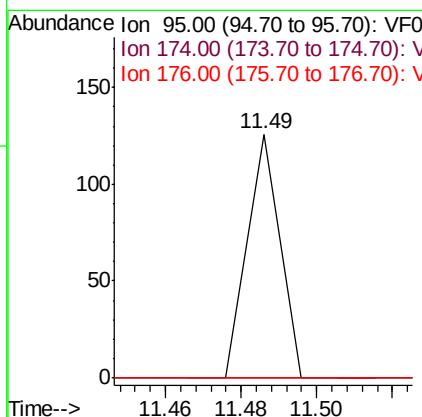
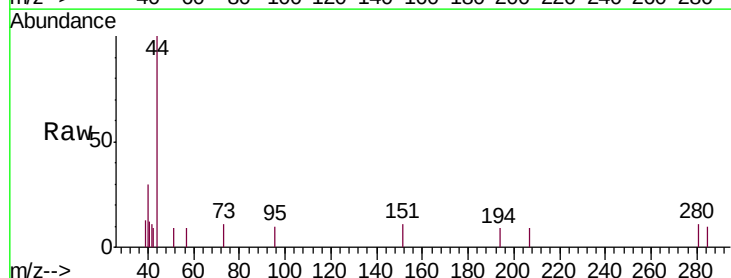
Instrument :  
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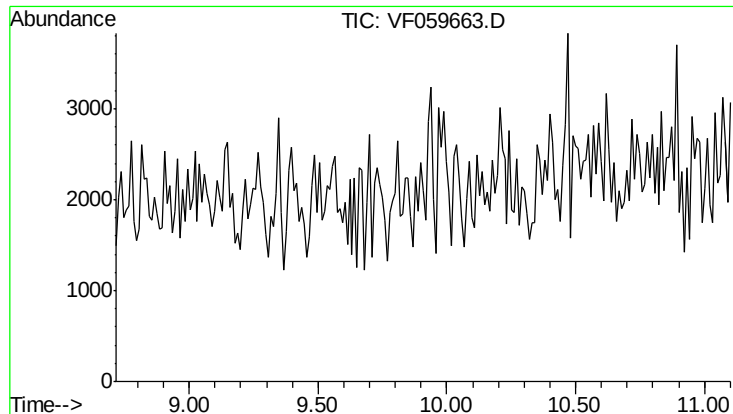
Tot Ion: 98 Resp: 83  
Ion Ratio Lower Upper  
98 100  
100 0.0 52.2 78.4#



#62  
4-Bromofluorobenzene  
Concen: 0.00 ug/l  
RT: 11.49 min Scan# 1111  
Delta R.T. -0.01 min  
Lab File: VF059663.D  
Acq: 25 Jul 2018 17:44

Tgt Ion: 95 Resp: 74  
Ion Ratio Lower Upper  
95 100  
174 0.0 0.0 141.8  
176 0.0 0.0 142.0



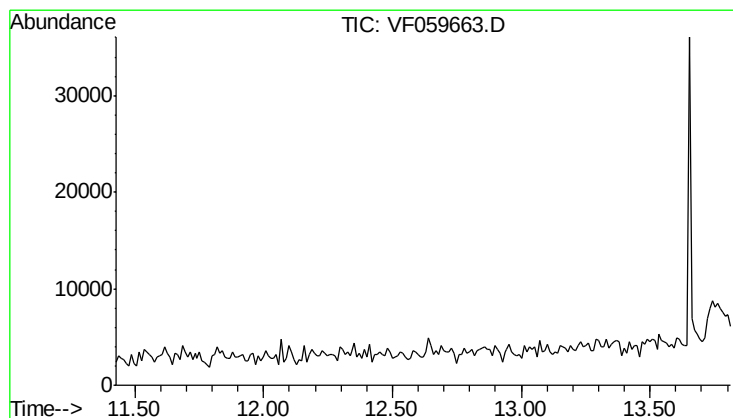
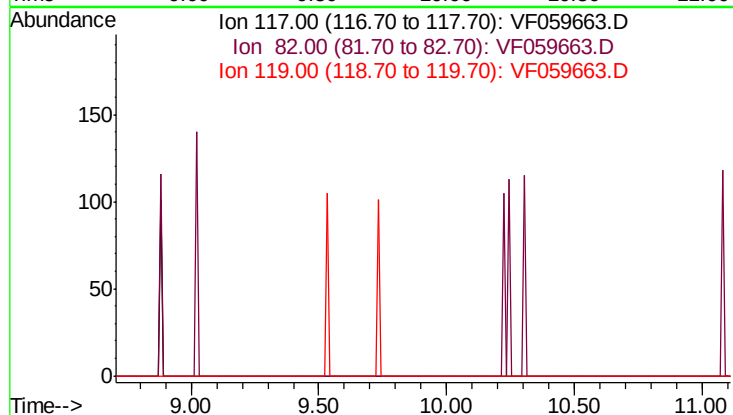


#63  
Chlorobenzene-d5  
Concen: 0.00 ug/l  
Expected RT: 9.91 min

Lab File: VF059663.D  
Acq: 25 Jul 2018 17:44

Instrument :  
MSVOA\_F  
ClientSampleId :  
MOLA-BOULEVARD

Tot Ion: 117  
Sig Exp Ratio  
117 100  
82 57.4  
119 31.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 0.00 ug/l  
Expected RT: 12.62 min

Lab File: VF059663.D  
Acq: 25 Jul 2018 17:44

Tgt Ion: 152  
Sig Exp Ratio  
152 100  
115 64.1  
150 156.6

