

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122818\  
 Data File : VF061243.D  
 Acq On : 28 Dec 2018 18:41  
 Operator : VA/AP  
 Sample : J6547-01  
 Misc : 5.56g/5mL/MSVOA-F/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 1A-VOC

Quant Time: Dec 29 03:03:47 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F121918S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 20 00:56:59 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.88  | 168  | 3627     | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.62  | 114  | 4947     | 50.00 | ug/l  | 0.03     |
| 63) Chlorobenzene-d5       | 9.80  | 117  | 2361     | 50.00 | ug/l  | 0.03     |
| 72) 1,4-Dichlorobenzene-d4 | 12.57 | 152  | 437      | 50.00 | ug/l  | 0.03     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 4.88   | 65  | 649      | 13.91 | ug/l   | 0.04 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 27.82% |      |
| 35) Dibromofluoromethane    | 4.14   | 113 | 513      | 12.95 | ug/l   | 0.03 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 25.90% |      |
| 50) Toluene-d8              | 7.56   | 98  | 3881     | 34.56 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 69.12% |      |
| 62) 4-Bromofluorobenzene    | 11.43  | 95  | 756      | 14.60 | ug/l   | 0.02 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 29.20% |      |

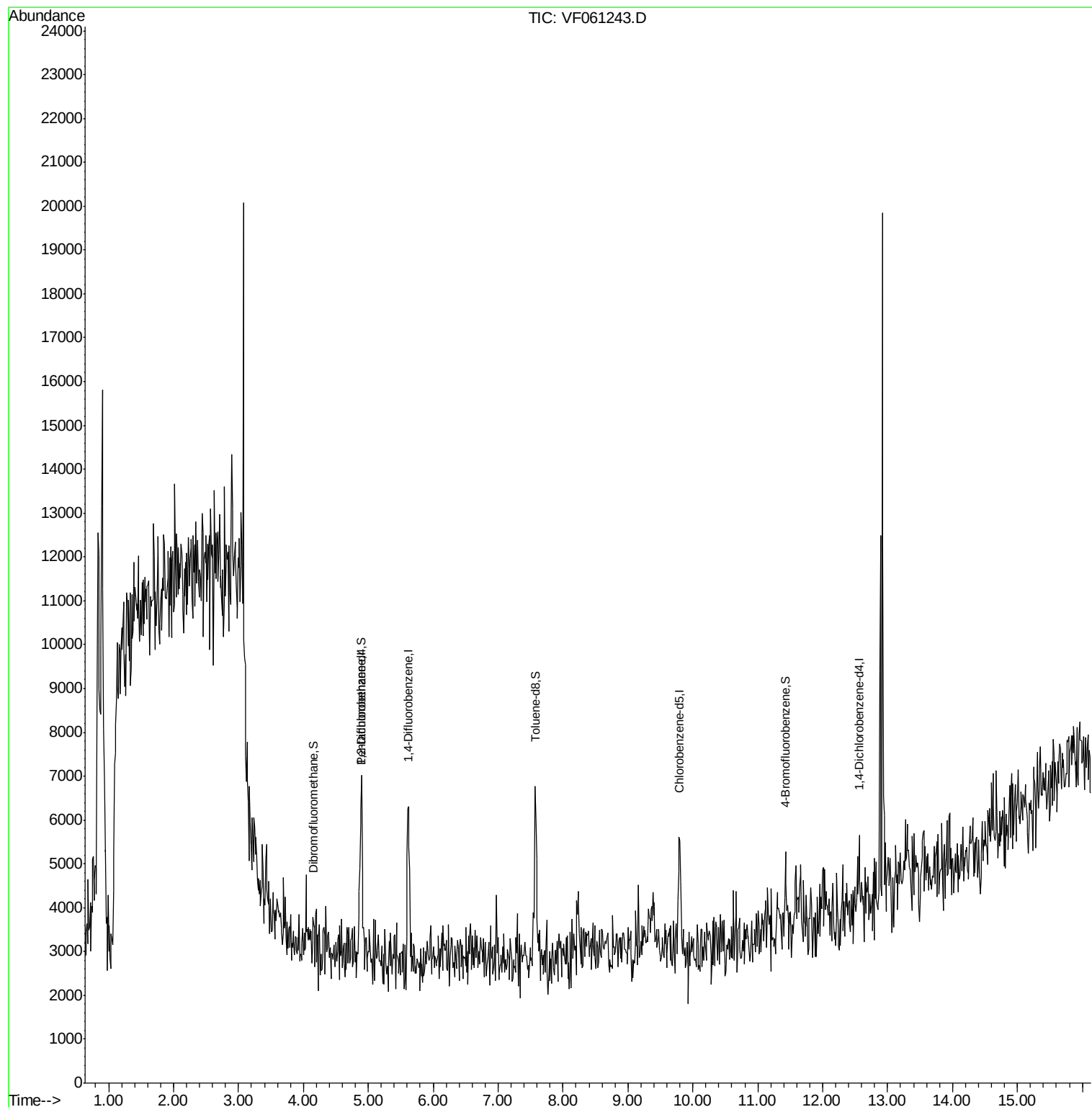
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

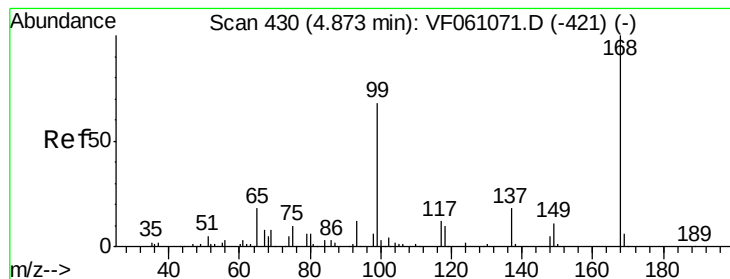
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF122818\  
Data File : VF061243.D  
Acq On : 28 Dec 2018 18:41  
Operator : VA/AP  
Sample : J6547-01  
Misc : 5.56g/5mL/MSVOA-F/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
1A-VOC

Quant Time: Dec 29 03:03:47 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F121918S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 20 00:56:59 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061243.D

Acq: 28 Dec 2018 18:41

Instrument :

MSVOA\_F

ClientSampleId :

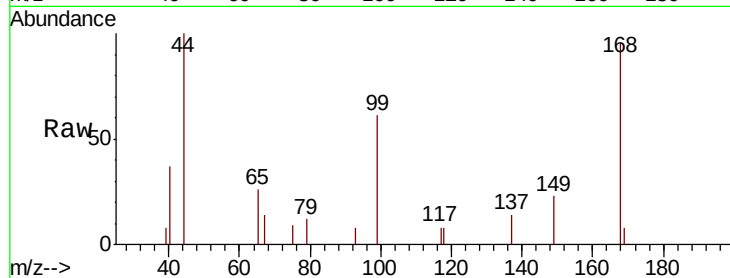
1A-VOC

Tot Ion:168 Resp: 3627

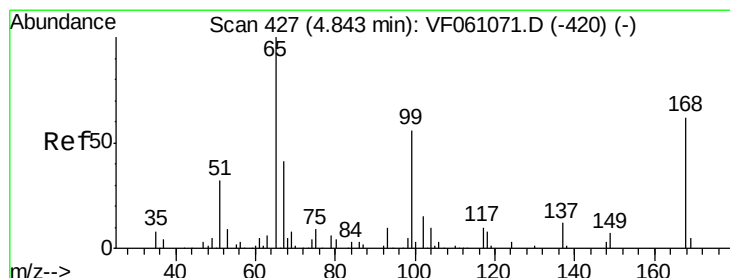
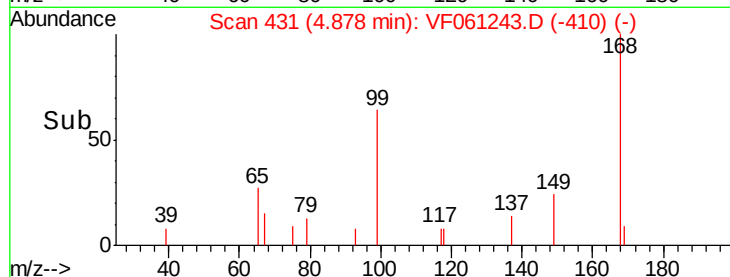
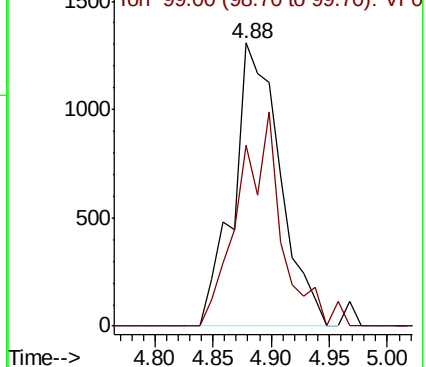
Ion Ratio Lower Upper

168 100

99 64.0 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 13.912 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.04 min

Lab File: VF061243.D

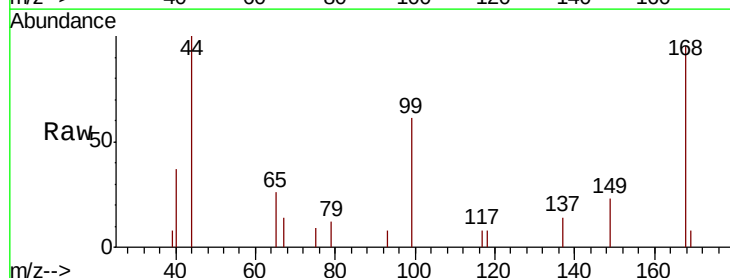
Acq: 28 Dec 2018 18:41

Tgt Ion: 65 Resp: 649

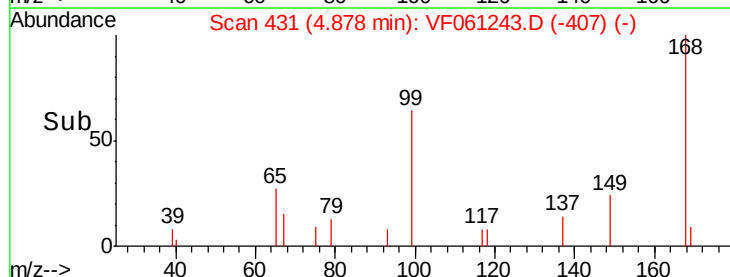
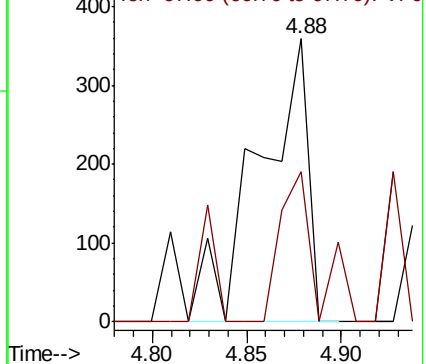
Ion Ratio Lower Upper

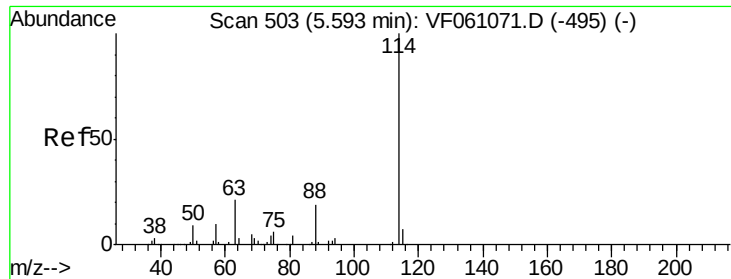
65 100

67 53.2 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

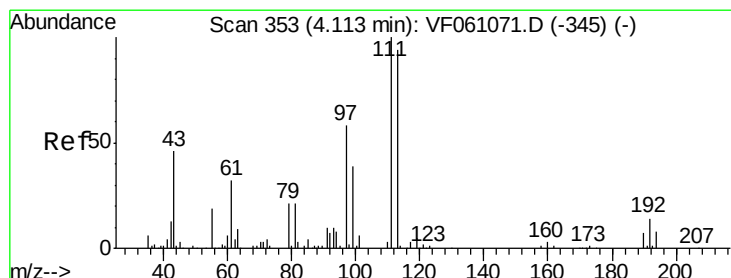
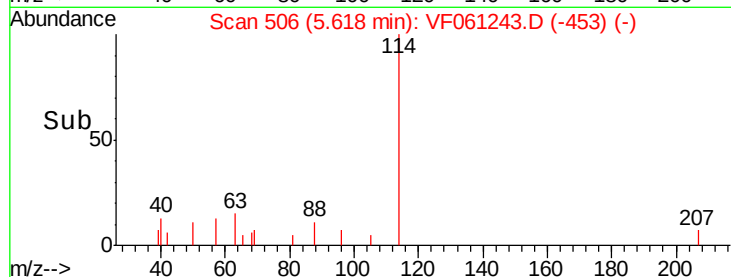
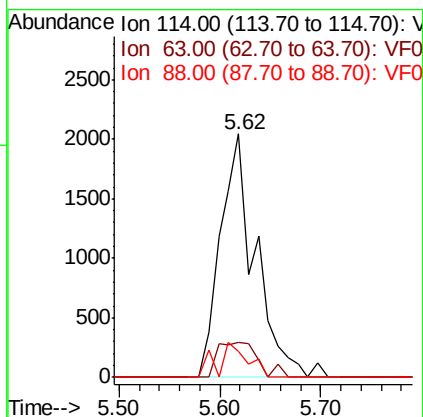
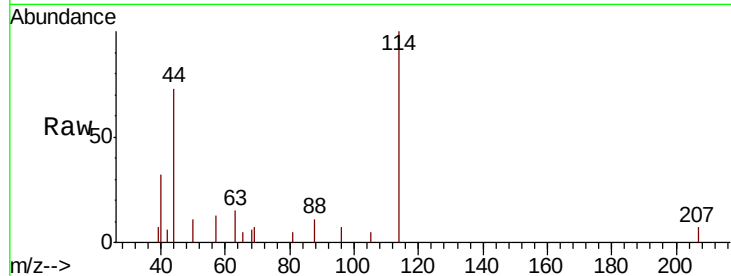




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.62 min Scan# 506  
 Delta R.T. 0.03 min  
 Lab File: VF061243.D  
 Acq: 28 Dec 2018 18:41

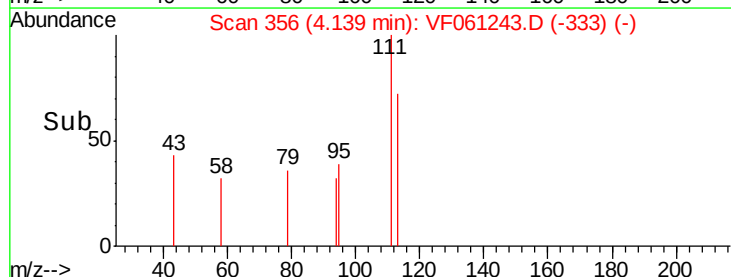
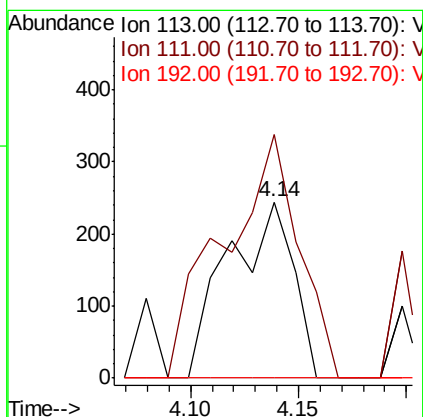
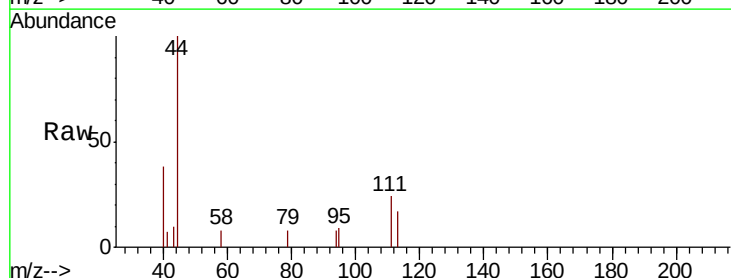
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 1A-VOC

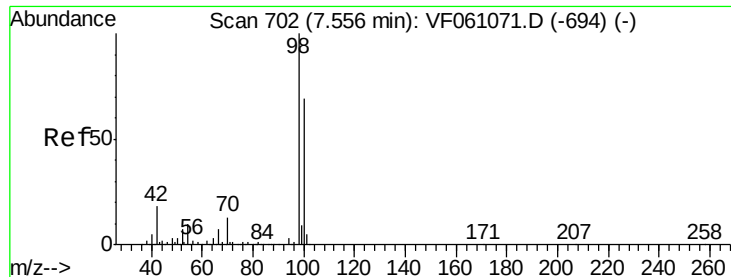
Tot Ion:114 Resp: 4947  
 Ion Ratio Lower Upper  
 114 100  
 63 14.6 0.0 41.6  
 88 10.8 0.0 38.0



#35  
 Dibromofluoromethane  
 Concen: 12.945 ug/l  
 RT: 4.14 min Scan# 356  
 Delta R.T. 0.03 min  
 Lab File: VF061243.D  
 Acq: 28 Dec 2018 18:41

Tgt Ion:113 Resp: 513  
 Ion Ratio Lower Upper  
 113 100  
 111 138.5 85.2 127.8#  
 192 0.0 12.8 19.2#

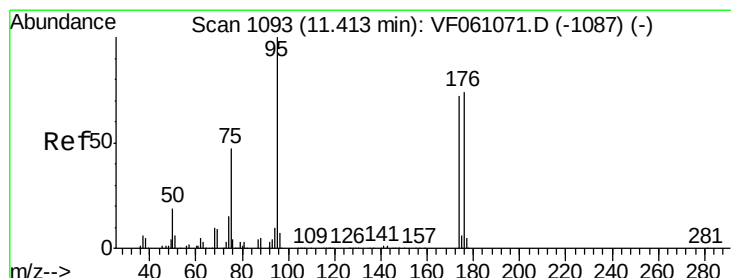
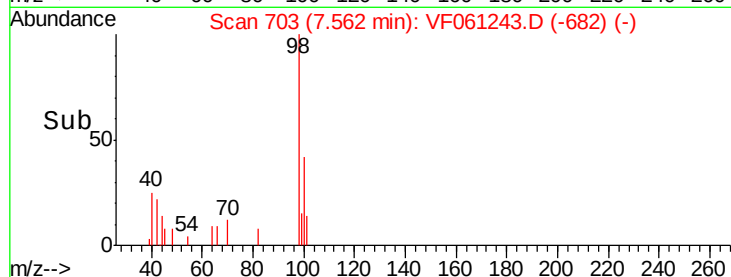
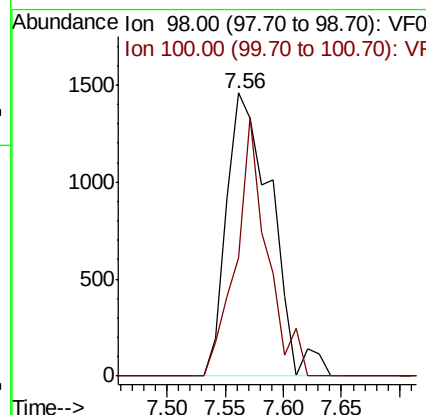
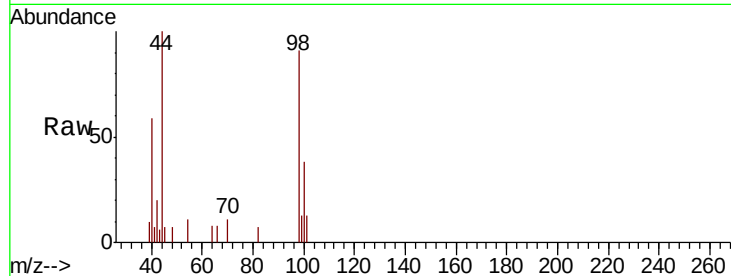




#50  
Toluene-d8  
Concen: 34.559 ug/l  
RT: 7.56 min Scan# 703  
Delta R.T. 0.01 min  
Lab File: VF061243.D  
Acq: 28 Dec 2018 18:41

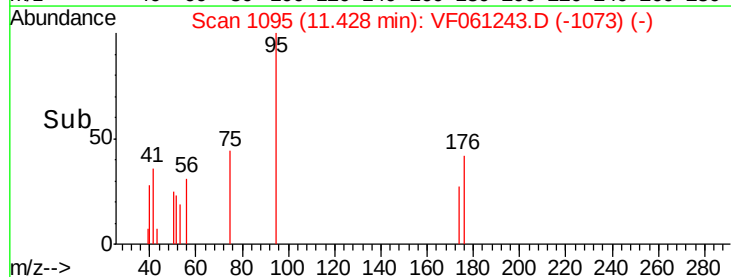
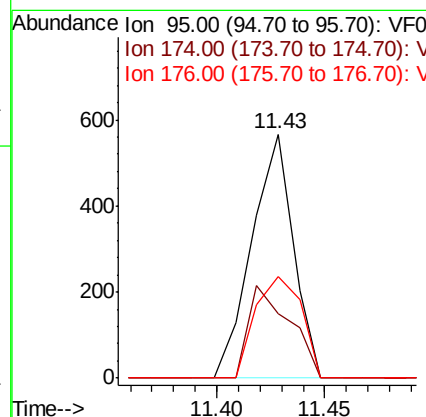
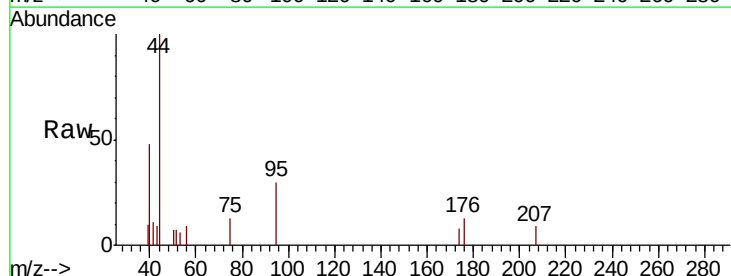
Instrument :  
MSVOA\_F  
ClientSampleId :  
1A-VOC

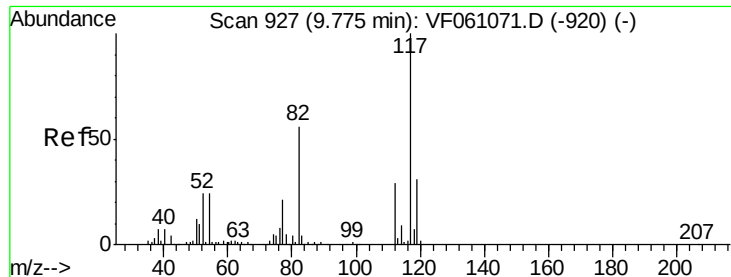
Tot Ion: 98 Resp: 3881  
Ion Ratio Lower Upper  
98 100  
100 41.7 55.3 82.9#



#62  
4-Bromofluorobenzene  
Concen: 14.602 ug/l  
RT: 11.43 min Scan# 1095  
Delta R.T. 0.02 min  
Lab File: VF061243.D  
Acq: 28 Dec 2018 18:41

Tgt Ion: 95 Resp: 756  
Ion Ratio Lower Upper  
95 100  
174 26.7 0.0 143.8  
176 41.9 0.0 147.6

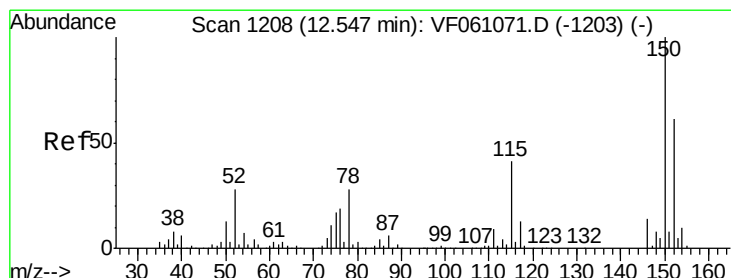
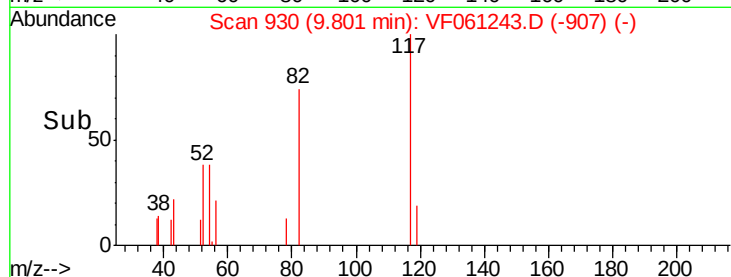
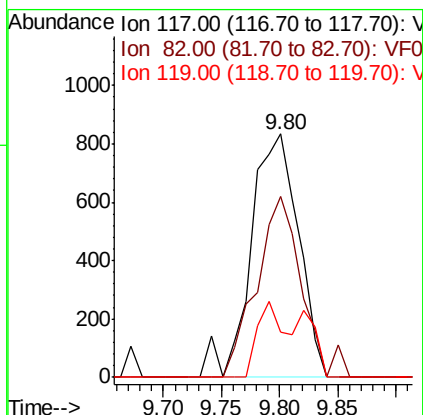
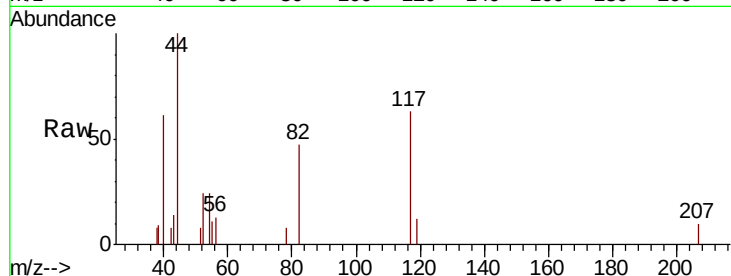




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.80 min Scan# 930  
Delta R.T. 0.03 min  
Lab File: VF061243.D  
Acq: 28 Dec 2018 18:41

Instrument :  
MSVOA\_F  
ClientSampled :  
1A-VOC

Tot Ion:117 Resp: 2361  
Ion Ratio Lower Upper  
117 100  
82 74.1 45.0 67.4#  
119 18.8 24.8 37.2#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.57 min Scan# 1211  
Delta R.T. 0.03 min  
Lab File: VF061243.D  
Acq: 28 Dec 2018 18:41

Tgt Ion:152 Resp: 437  
Ion Ratio Lower Upper  
152 100  
115 46.7 33.3 99.9  
150 59.6 0.0 328.2

