

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
 Data File : VD067028.D  
 Acq On : 02 Oct 2020 11:46  
 Operator : VA/SY  
 Sample : VD1002SBL01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1002SBL01

Quant Time: Oct 03 04:56:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 01 15:19:17 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 485120   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 809134   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 750747   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 342028   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 254142   | 54.39 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.78% |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 262014   | 49.46 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.92%  |          |
| 50) Toluene-d8              | 10.34 | 98   | 942556   | 48.83 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.66%  |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 309468   | 47.23 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.46%  |          |

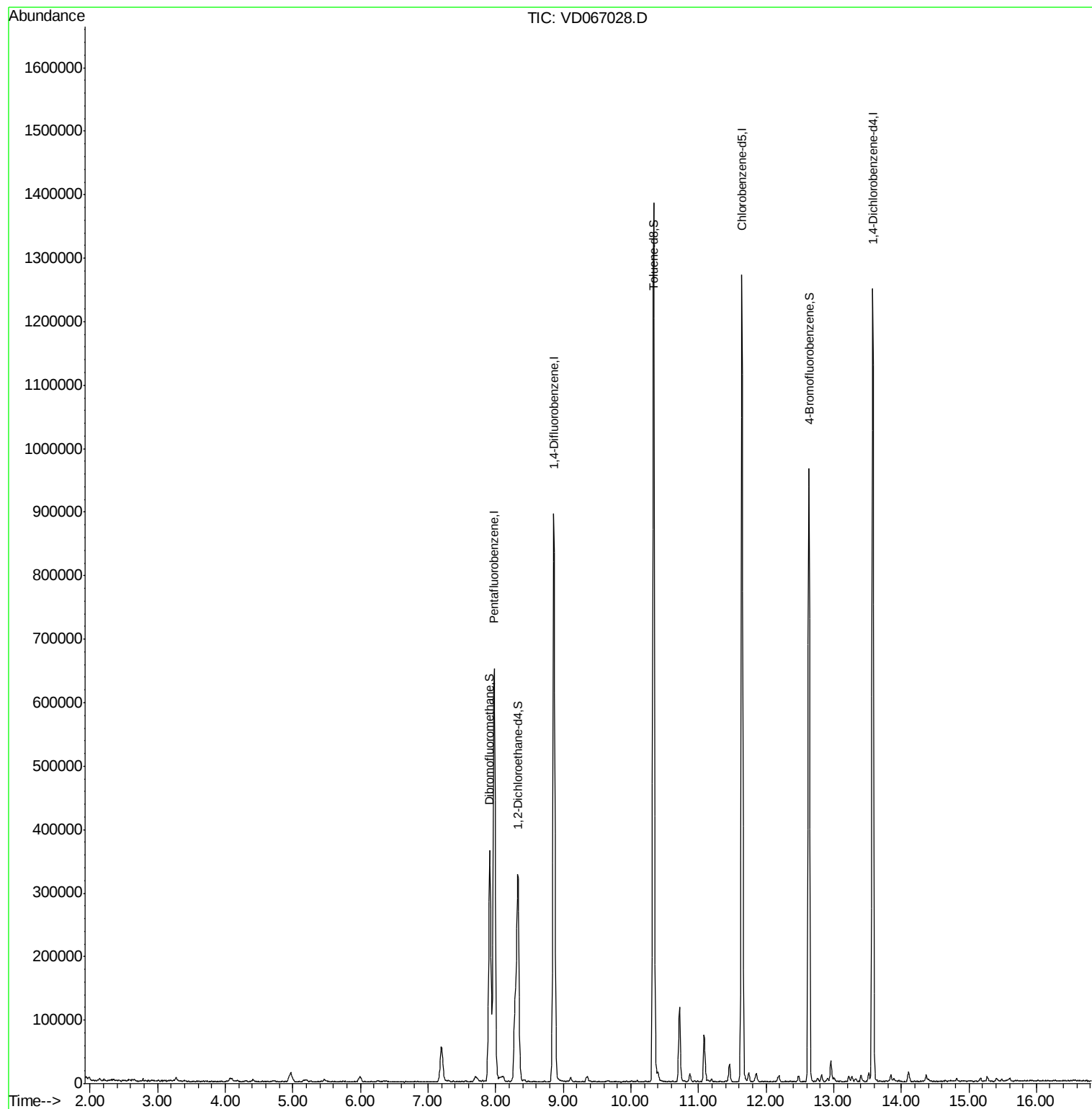
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

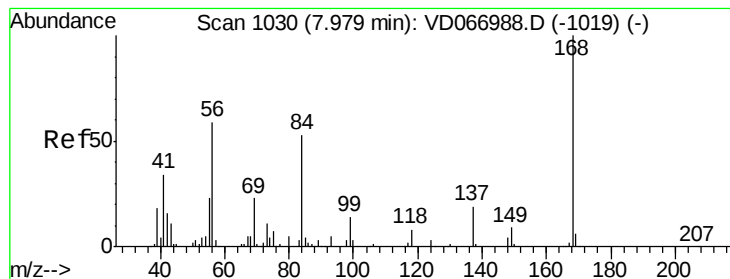
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
ClientSampleId :  
VD1002SBL01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 01 15:19:17 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD067028.D

Acq: 02 Oct 2020 11:46

Instrument :

MSVOA\_D

ClientSampleId :

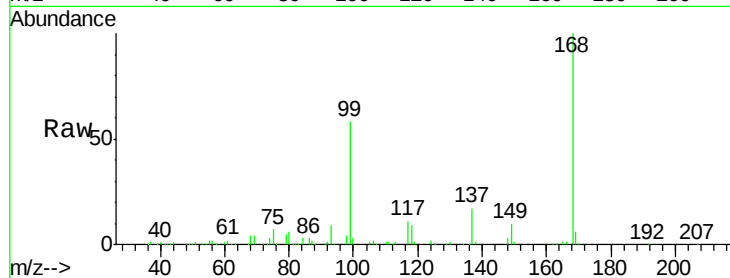
VD1002SBL01

Tot Ion:168 Resp: 485120

Ion Ratio Lower Upper

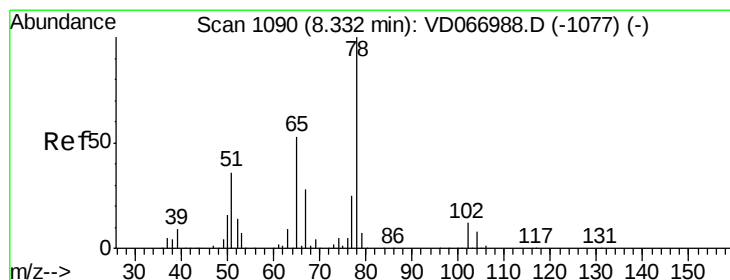
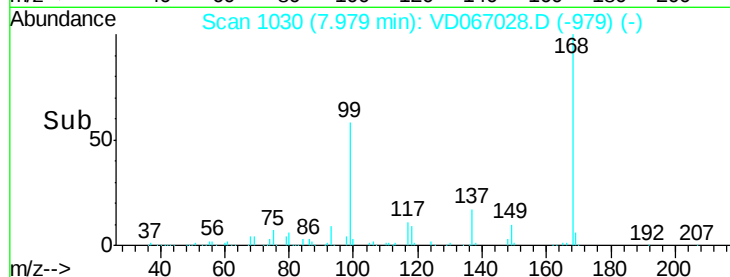
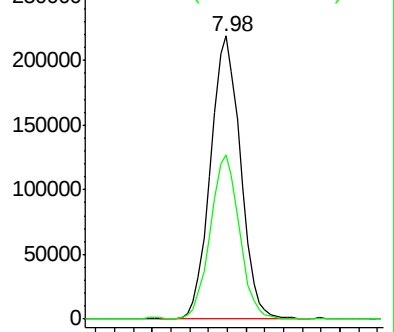
168 100

99 57.9 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 54.389 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD067028.D

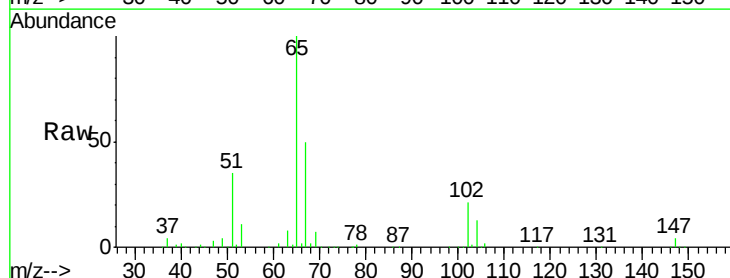
Acq: 02 Oct 2020 11:46

Tgt Ion: 65 Resp: 254142

Ion Ratio Lower Upper

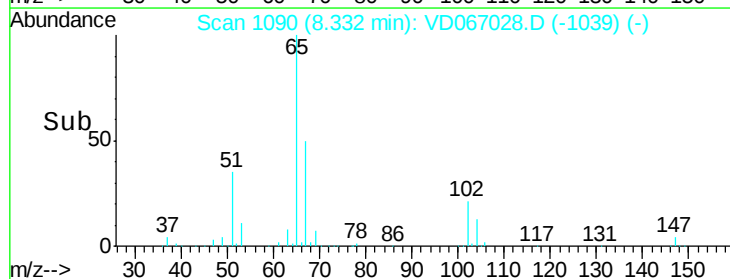
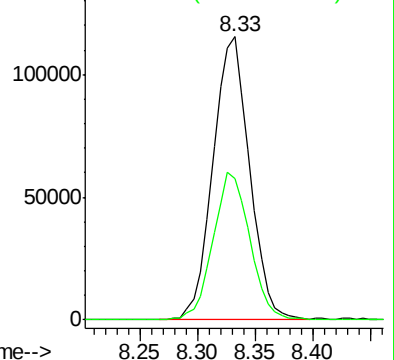
65 100

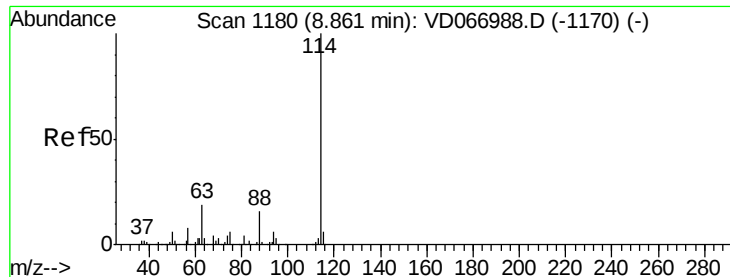
67 52.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

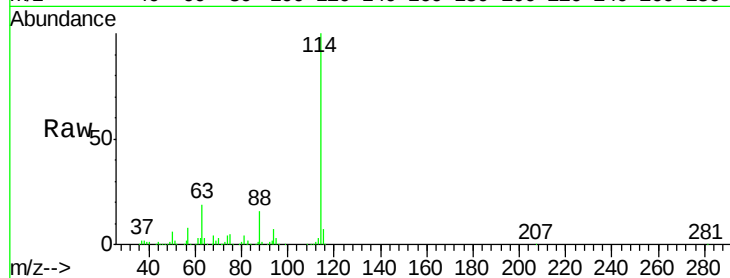




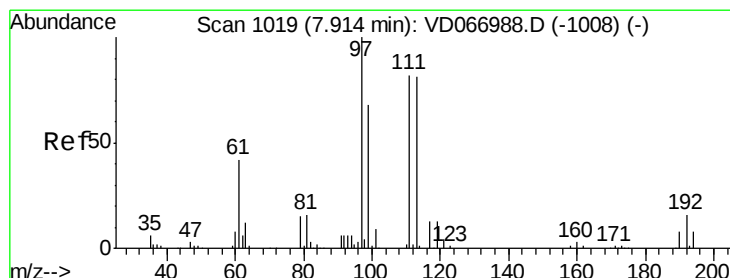
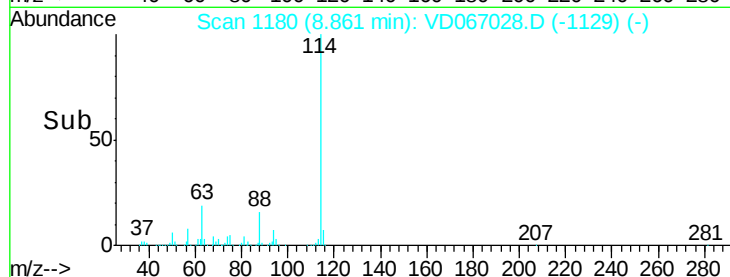
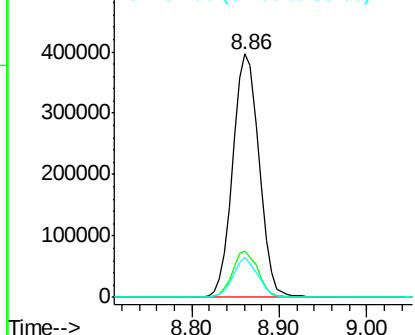
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. -0.00 min  
 Lab File: VD067028.D  
 Acq: 02 Oct 2020 11:46

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1002SBL01

Tot Ion:114 Resp: 809134  
 Ion Ratio Lower Upper  
 114 100  
 63 19.3 0.0 38.4  
 88 16.2 0.0 31.2

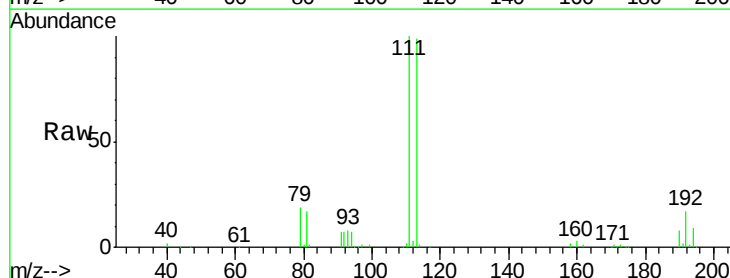


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

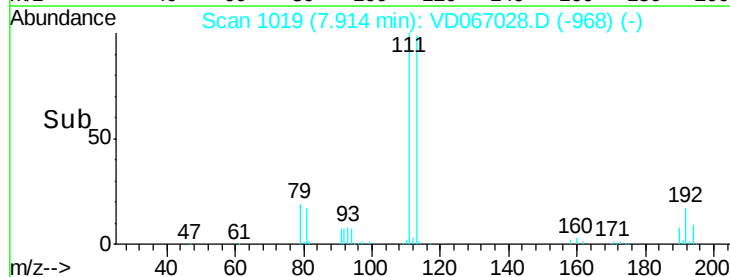
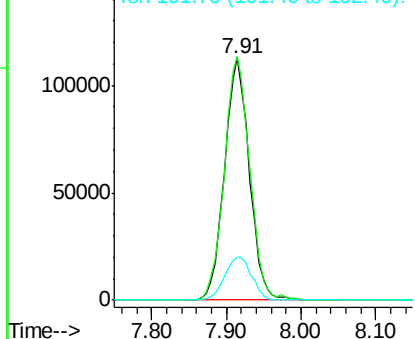


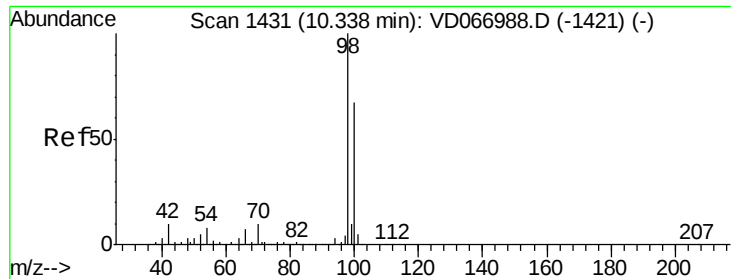
#35  
 Dibromofluoromethane  
 Concen: 49.462 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. -0.00 min  
 Lab File: VD067028.D  
 Acq: 02 Oct 2020 11:46

Tgt Ion:113 Resp: 262014  
 Ion Ratio Lower Upper  
 113 100  
 111 102.5 83.0 124.4  
 192 19.4 15.5 23.3



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

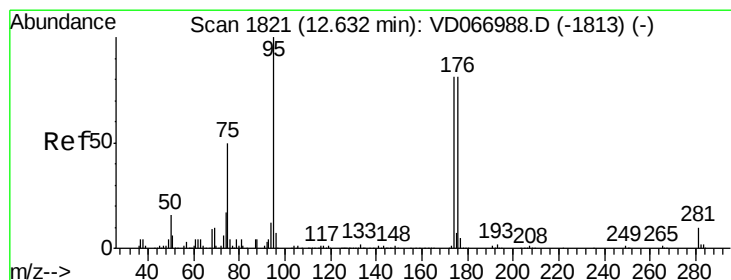
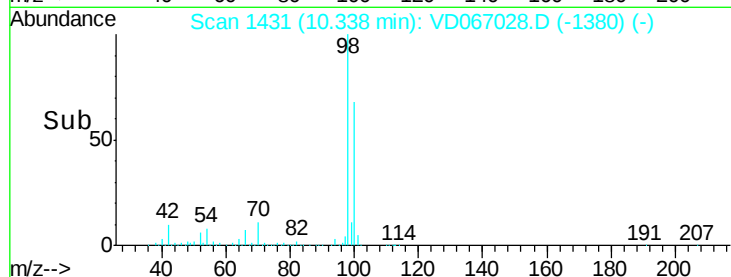
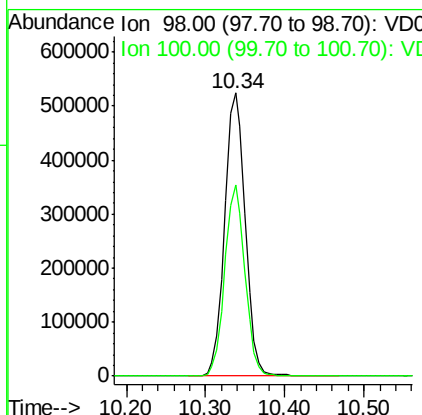
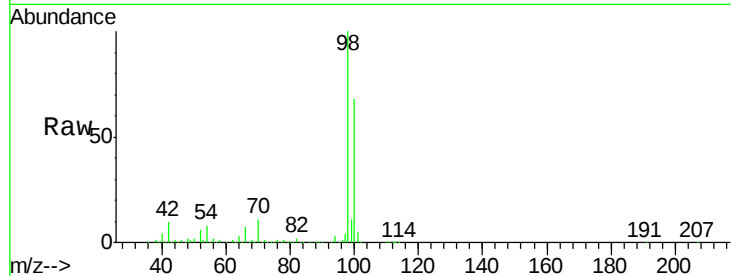




#50  
Toluene-d8  
Concen: 48.831 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. -0.00 min  
Lab File: VD067028.D  
Acq: 02 Oct 2020 11:46

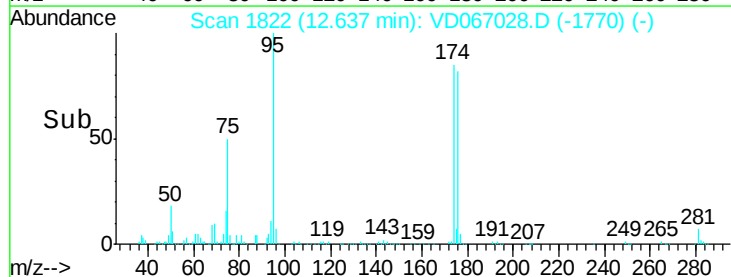
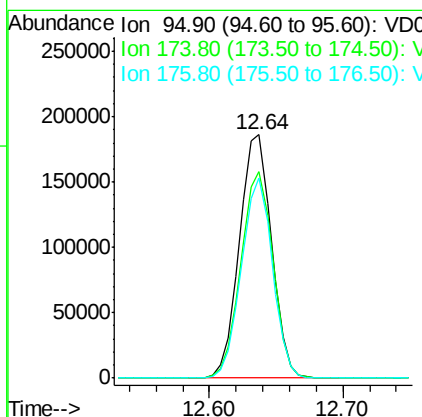
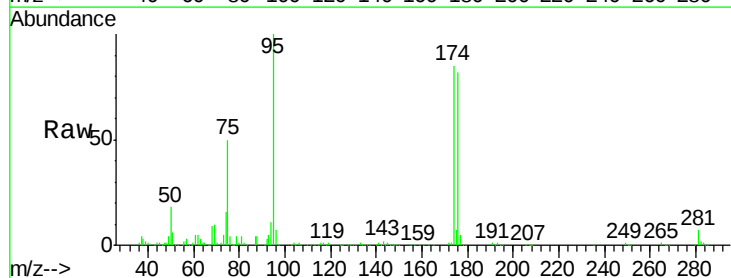
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1002SBL01

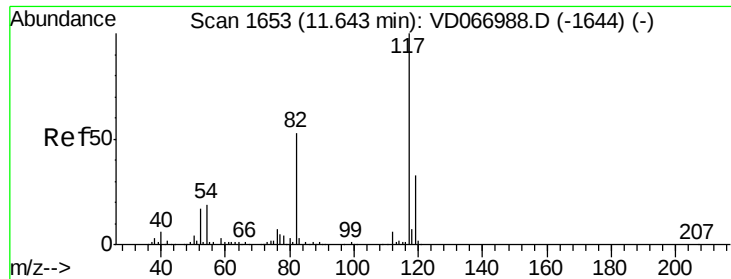
Tot Ion: 98 Resp: 942556  
Ion Ratio Lower Upper  
98 100  
100 66.2 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 47.227 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.01 min  
Lab File: VD067028.D  
Acq: 02 Oct 2020 11:46

Tgt Ion: 95 Resp: 309468  
Ion Ratio Lower Upper  
95 100  
174 84.6 0.0 167.6  
176 79.5 0.0 162.4

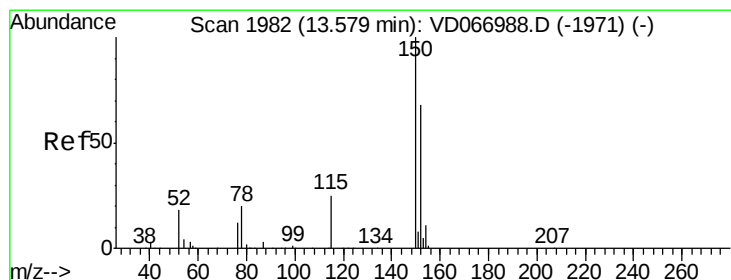
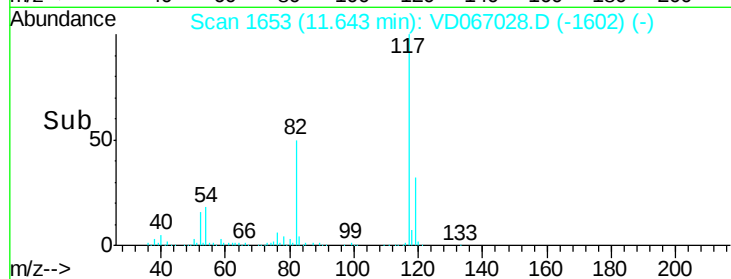
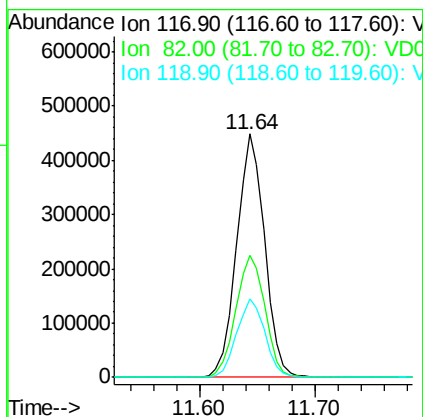
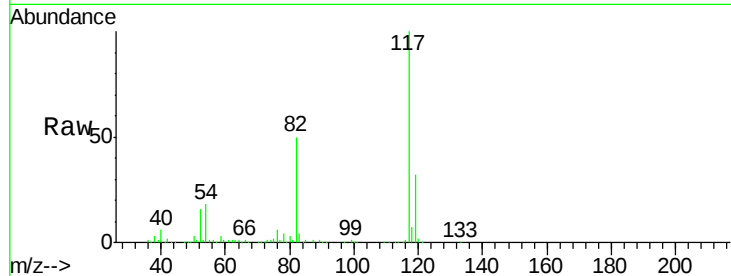




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.00 min  
Lab File: VD067028.D  
Acq: 02 Oct 2020 11:46

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1002SBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 49.9  | 42.6  | 63.8  |
| 119     | 32.1  | 26.3  | 39.5  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.00 min  
Lab File: VD067028.D  
Acq: 02 Oct 2020 11:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.8  | 29.6  | 88.8  |
| 150     | 153.8 | 0.0   | 344.8 |

