

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\  
 Data File : VD067097.D  
 Acq On : 06 Oct 2020 10:22  
 Operator : VA/SY  
 Sample : VD1006SBL01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1006SBL01

Quant Time: Oct 07 01:27:09 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  | 462144   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 772827   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 721765   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 338201   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 237875   | 53.44 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 106.88% |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 255085   | 50.42 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 100.84% |          |
| 50) Toluene-d8              | 10.34 | 98   | 909542   | 49.33 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 98.66%  |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 309513   | 49.45 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 98.90%  |          |

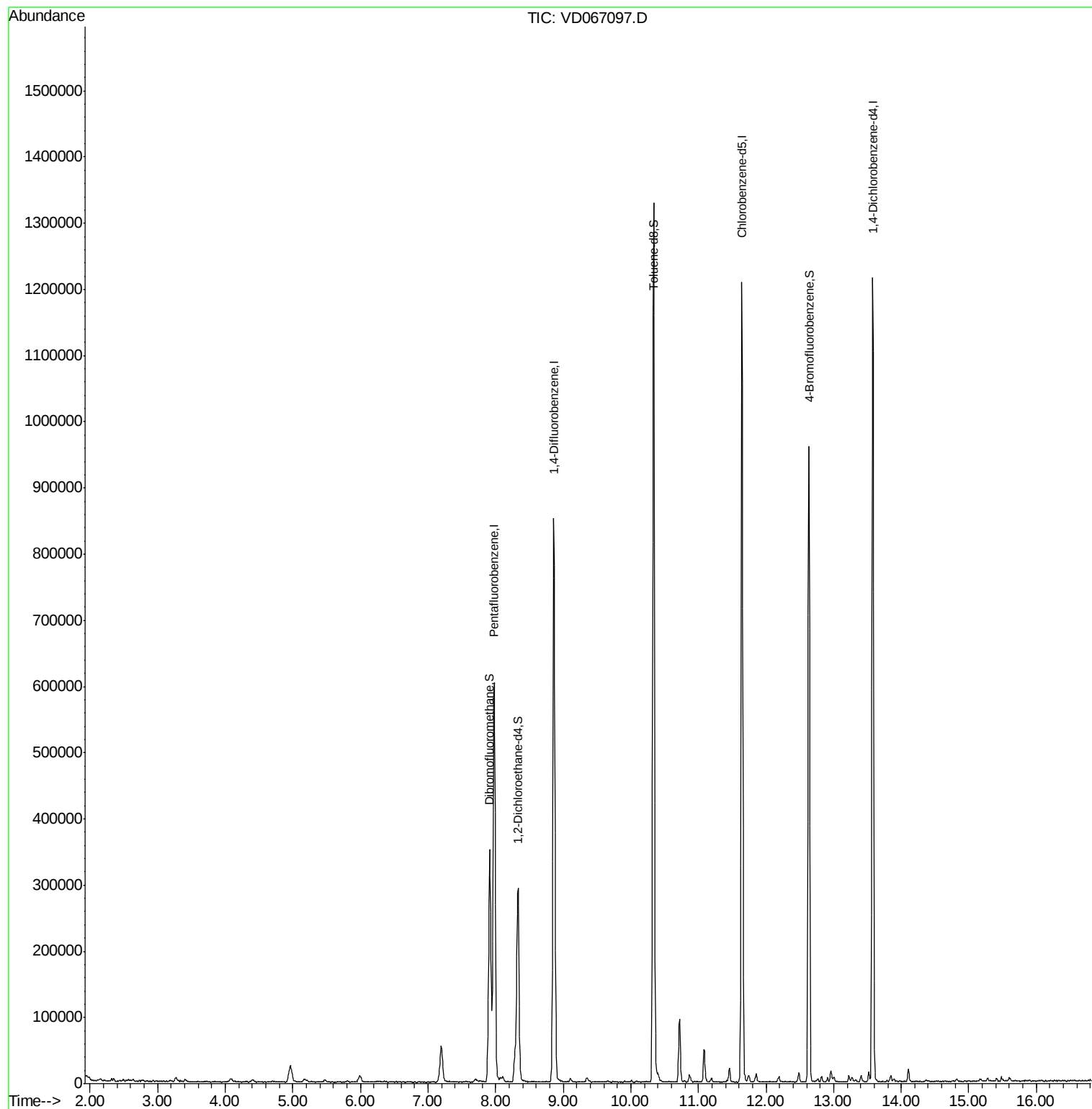
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

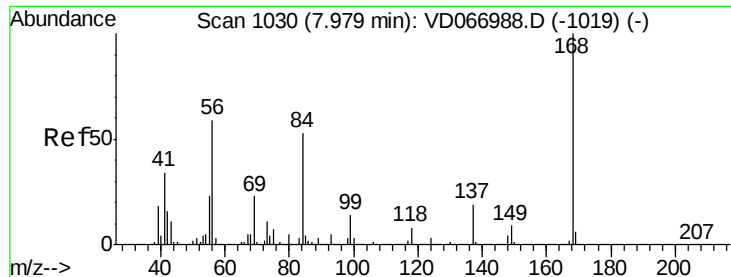
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
ClientSampleId :  
VD1006SBL01

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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: VD067097.D

Acq: 06 Oct 2020 10:22

Instrument :

MSVOA\_D

ClientSampleId :

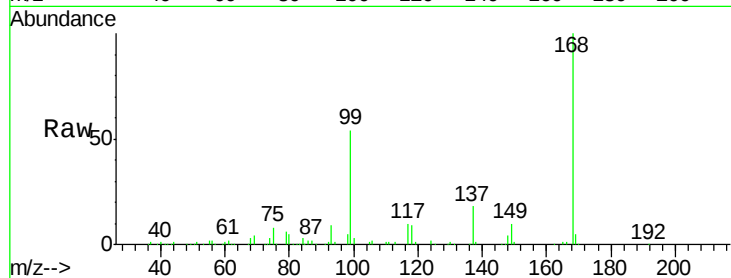
VD1006SBL01

Tot Ion:168 Resp: 462144

Ion Ratio Lower Upper

168 100

99 53.5 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

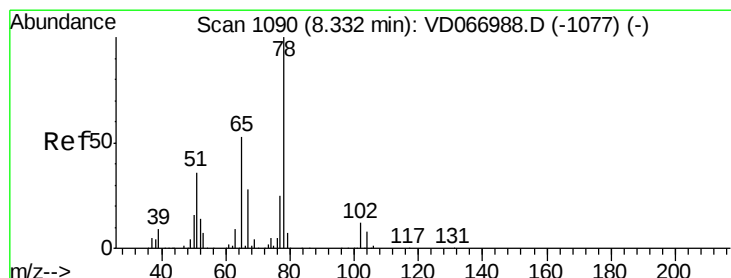
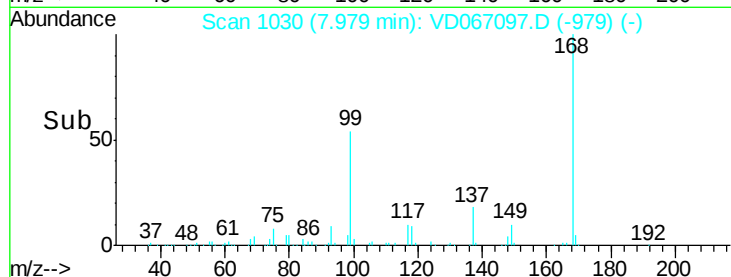
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.439 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067097.D

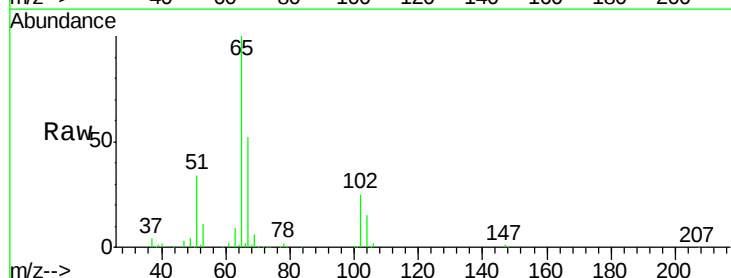
Acq: 06 Oct 2020 10:22

Tgt Ion: 65 Resp: 237875

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

120000

100000

80000

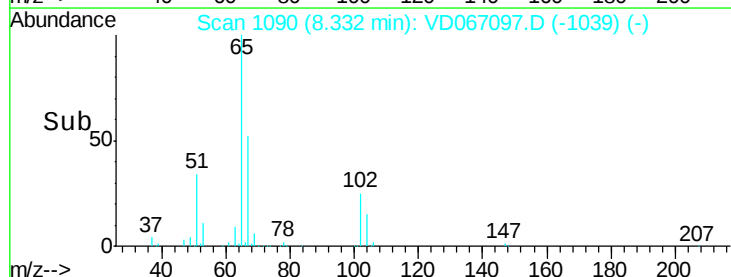
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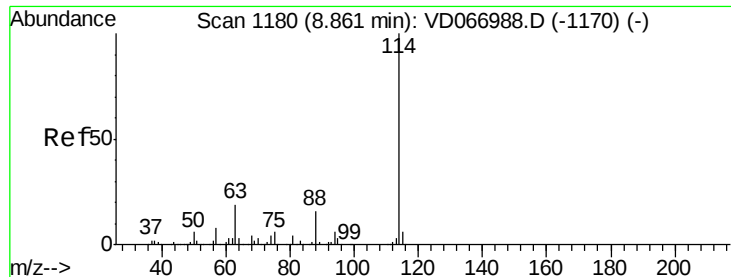
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Time-->

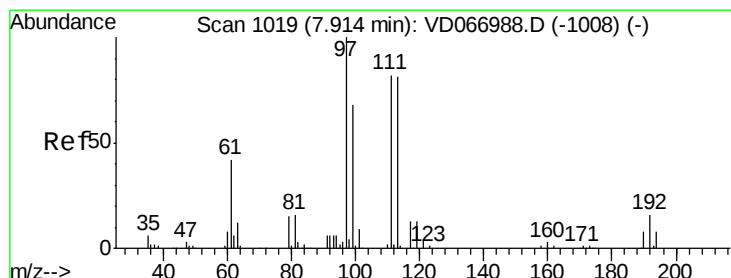
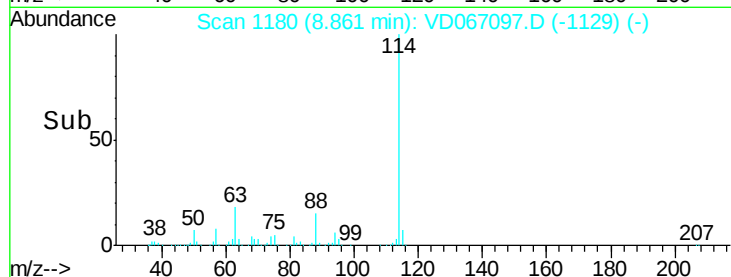
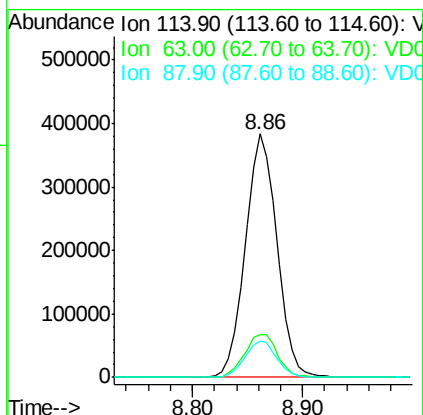
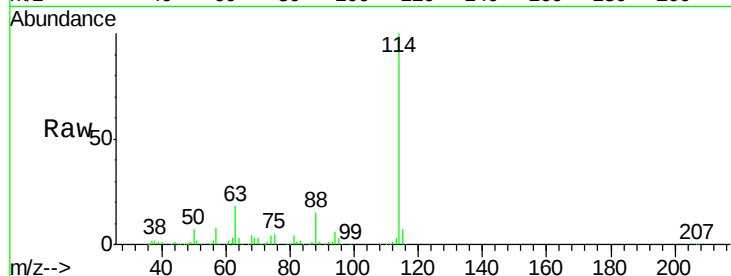




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. 0.00 min  
 Lab File: VD067097.D  
 Acq: 06 Oct 2020 10:22

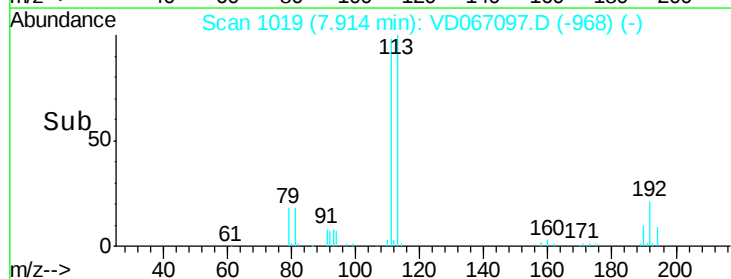
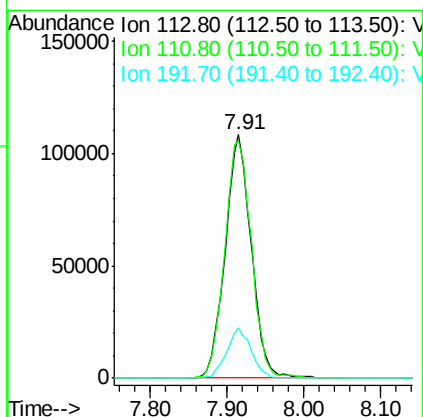
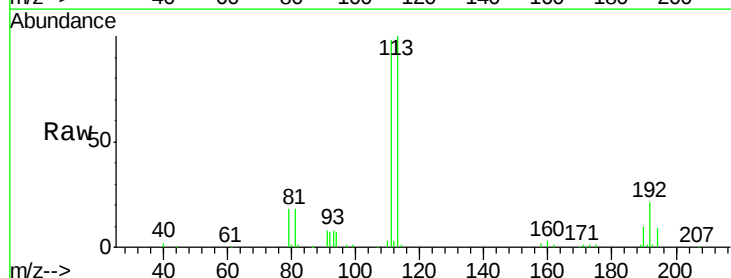
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1006SBL01

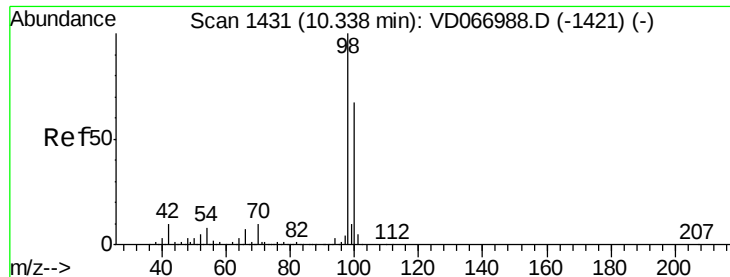
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.7  | 0.0   | 38.4  |
| 88      | 14.9  | 0.0   | 31.2  |



#35  
 Dibromofluoromethane  
 Concen: 50.417 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. 0.00 min  
 Lab File: VD067097.D  
 Acq: 06 Oct 2020 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 100.7 | 83.0  | 124.4 |
| 192     | 19.3  | 15.5  | 23.3  |

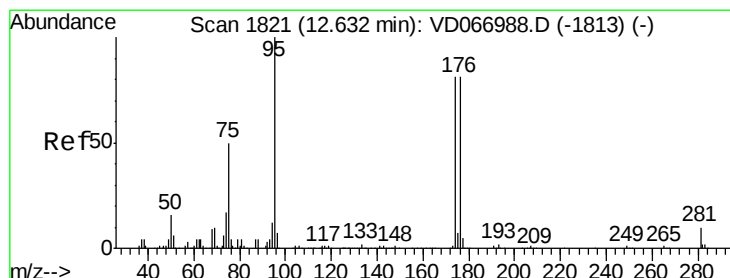
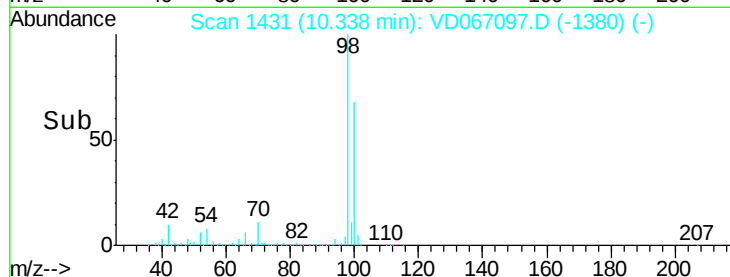
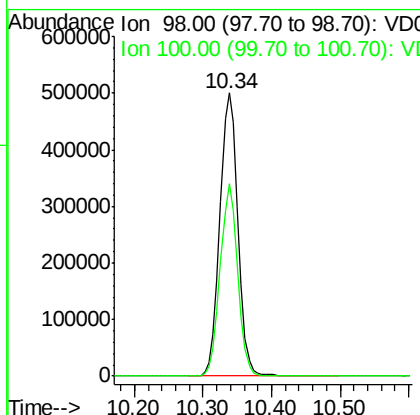
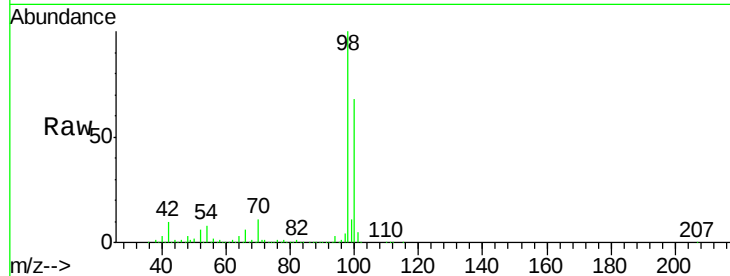




#50  
Toluene-d8  
Concen: 49.334 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. 0.00 min  
Lab File: VD067097.D  
Acq: 06 Oct 2020 10:22

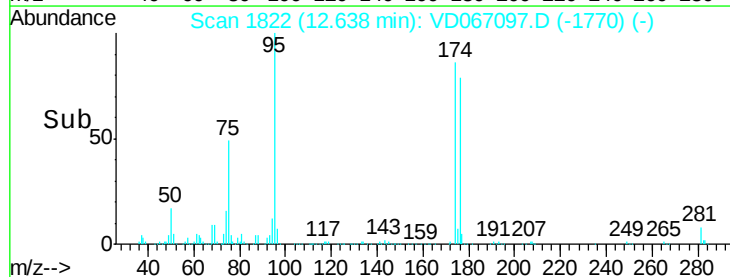
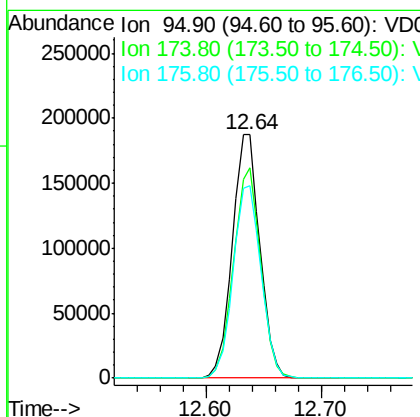
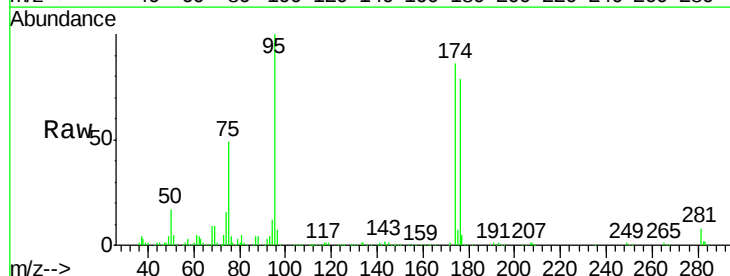
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1006SBL01

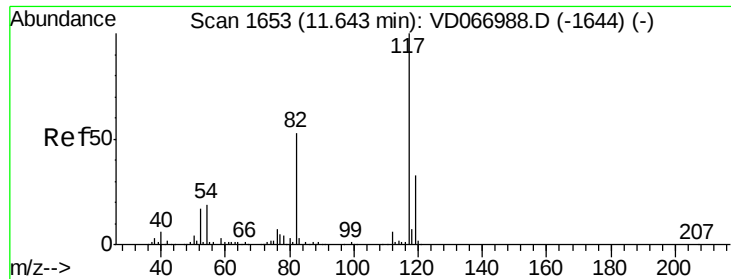
Tot Ion: 98 Resp: 909542  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 49.453 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.01 min  
Lab File: VD067097.D  
Acq: 06 Oct 2020 10:22

Tgt Ion: 95 Resp: 309513  
Ion Ratio Lower Upper  
95 100  
174 84.6 0.0 167.6  
176 79.9 0.0 162.4

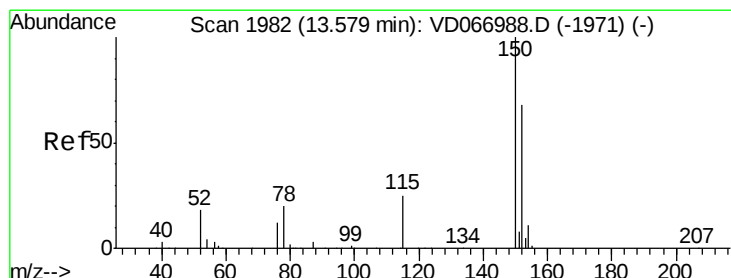
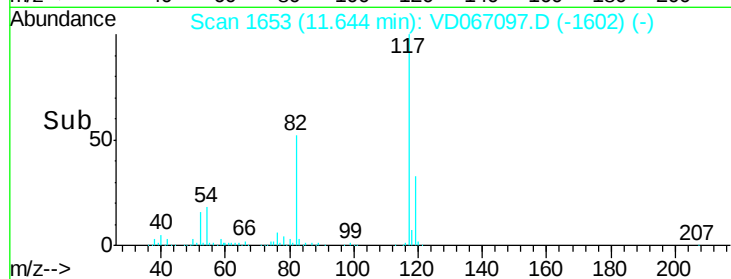
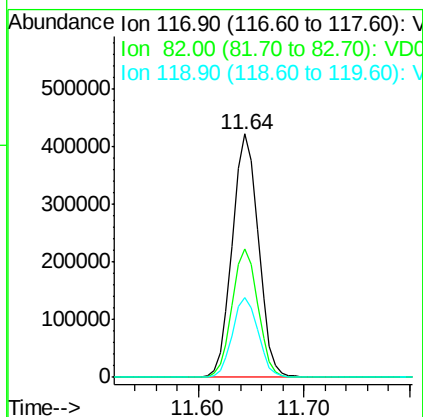
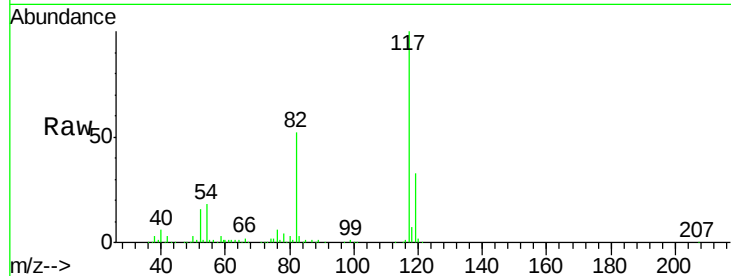




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD067097.D  
Acq: 06 Oct 2020 10:22

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1006SBL01

Tot Ion:117 Resp: 721765  
Ion Ratio Lower Upper  
117 100  
82 52.5 42.6 63.8  
119 32.5 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: VD067097.D  
Acq: 06 Oct 2020 10:22

Tgt Ion:152 Resp: 338201  
Ion Ratio Lower Upper  
152 100  
115 58.2 29.6 88.8  
150 154.8 0.0 344.8

