

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081220\  
 Data File : VD066201.D  
 Acq On : 12 Aug 2020 13:40  
 Operator : VA/SY  
 Sample : VD0812SBL01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0812SBL01

Quant Time: Aug 12 16:10:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 05 13:49:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.97  | 168  | 274233   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 403209   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 385828   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 191206   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.33   | 65  | 142331   | 58.18 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 116.36% |      |
| 35) Dibromofluoromethane    | 7.91   | 113 | 143900   | 56.34 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.68% |      |
| 50) Toluene-d8              | 10.34  | 98  | 512418   | 54.36 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 108.72% |      |
| 62) 4-Bromofluorobenzene    | 12.63  | 95  | 181692   | 53.48 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.96% |      |

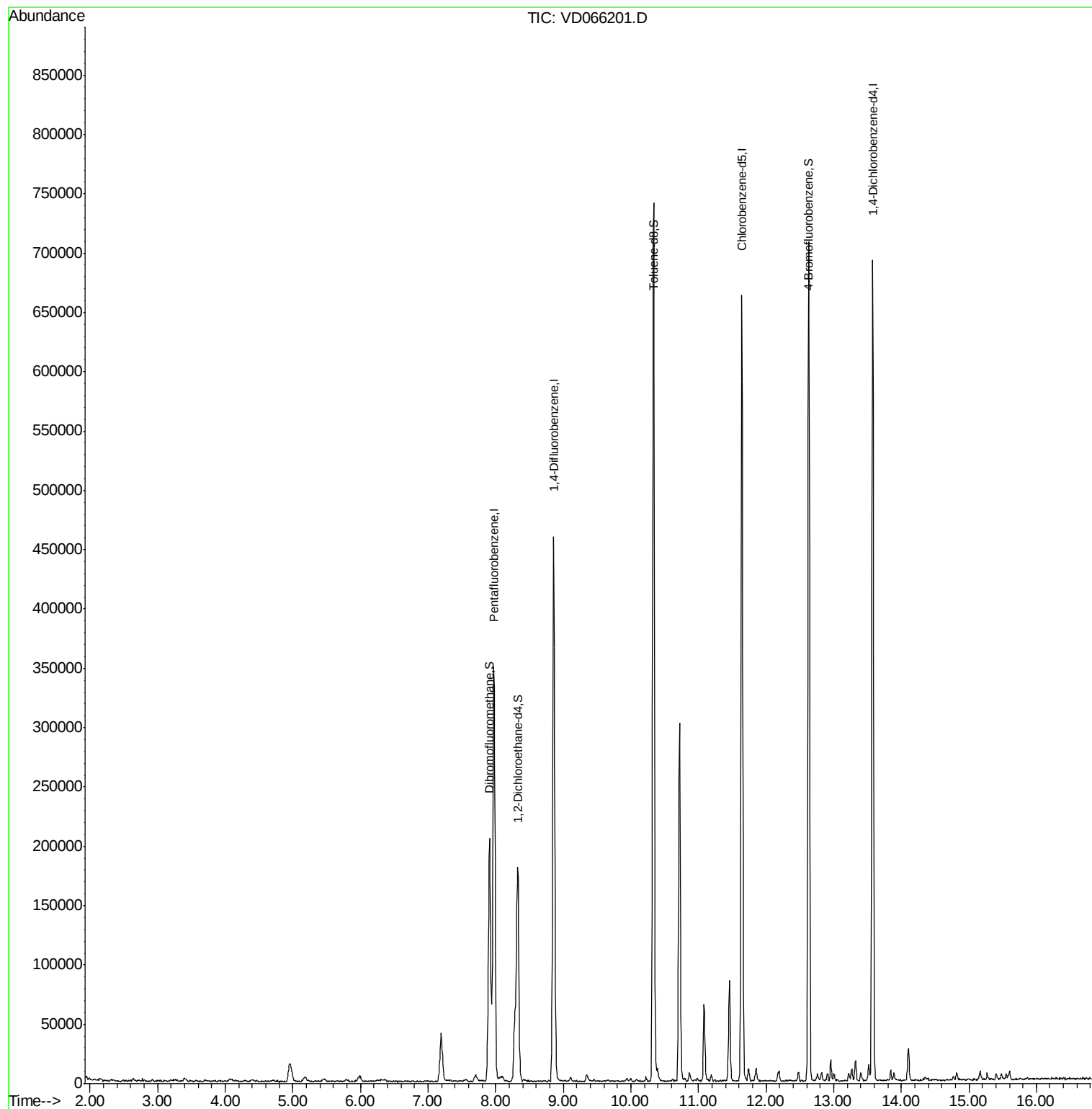
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

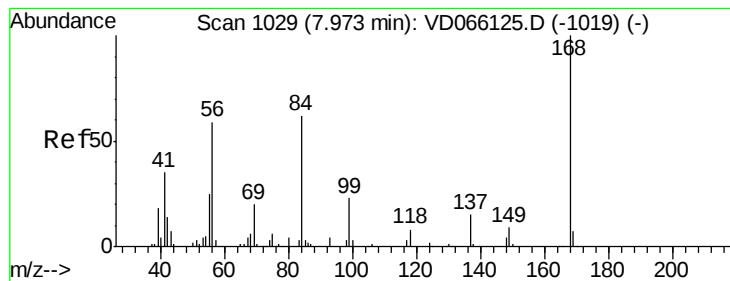
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081220\  
Data File : VD066201.D  
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MSVOA\_D  
ClientSampleId :  
VD0812SBL01

Quant Time: Aug 12 16:10:04 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 05 13:49:25 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066201.D

Acq: 12 Aug 2020 13:40

Instrument :

MSVOA\_D

ClientSampleId :

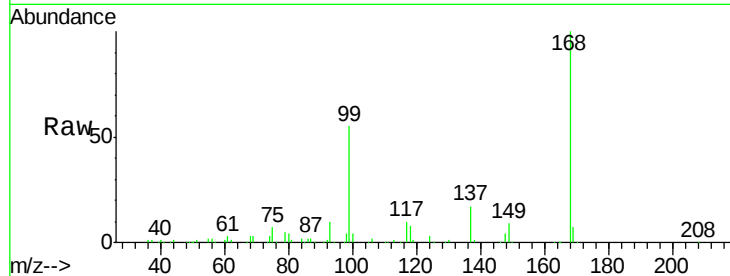
VD0812SBL01

Tot Ion:168 Resp: 274233

Ion Ratio Lower Upper

168 100

99 54.5 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

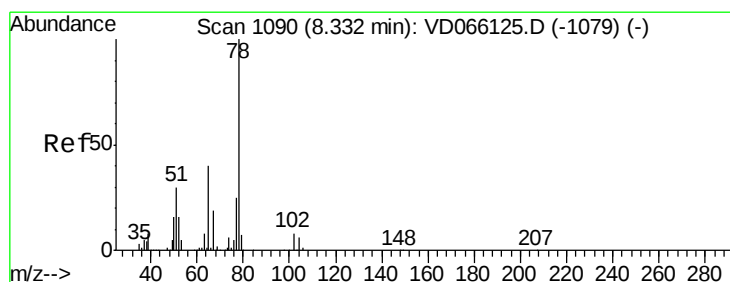
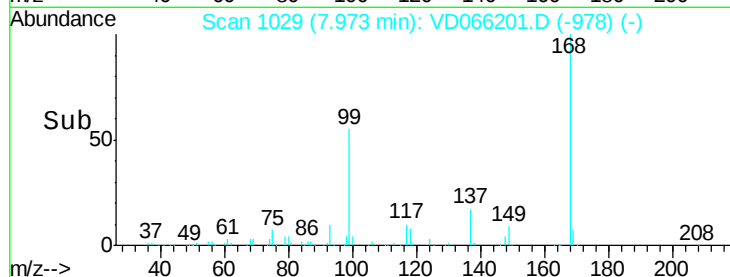
7.97

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 58.176 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066201.D

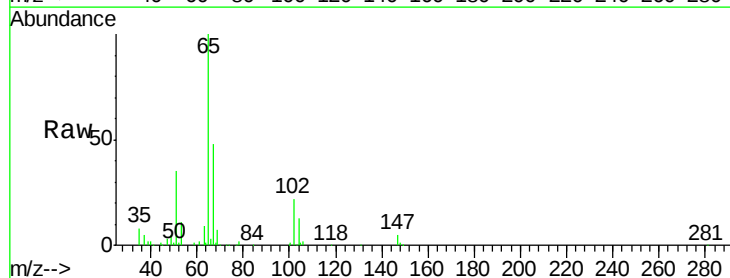
Acq: 12 Aug 2020 13:40

Tgt Ion: 65 Resp: 142331

Ion Ratio Lower Upper

65 100

67 50.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

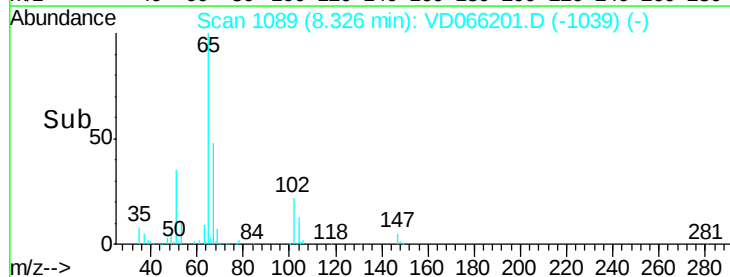
60000

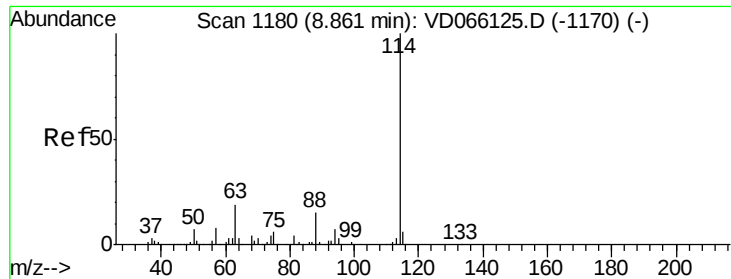
40000

20000

0

Time-->

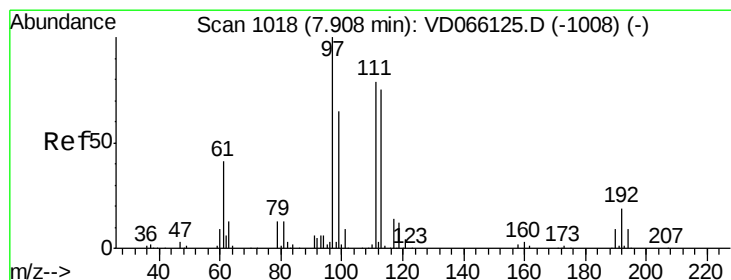
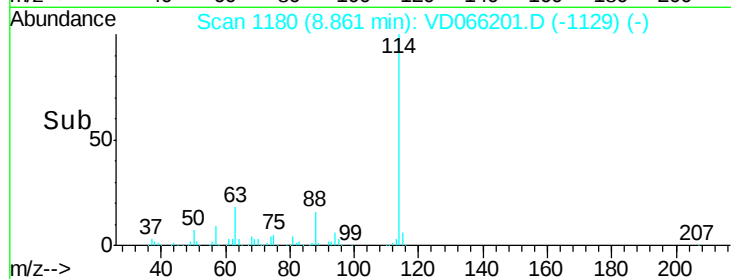
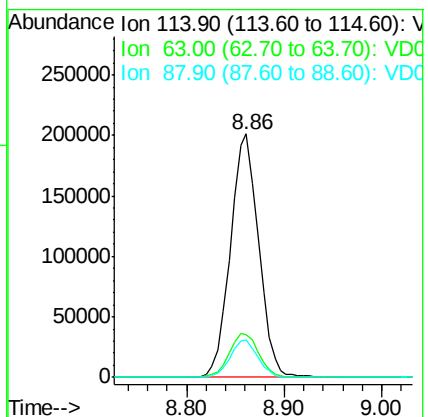
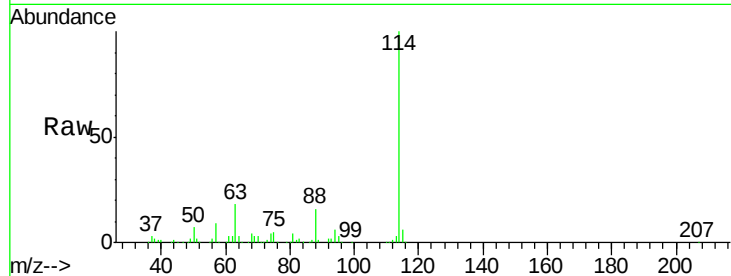




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. -0.00 min  
 Lab File: VD066201.D  
 Acq: 12 Aug 2020 13:40

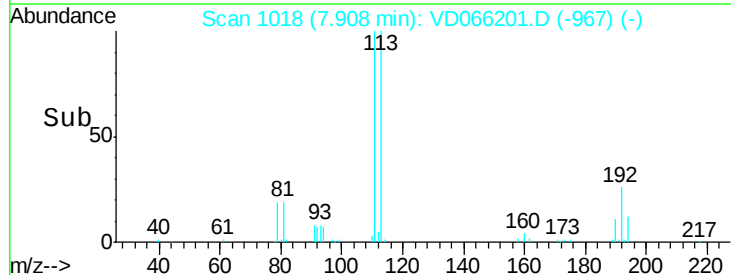
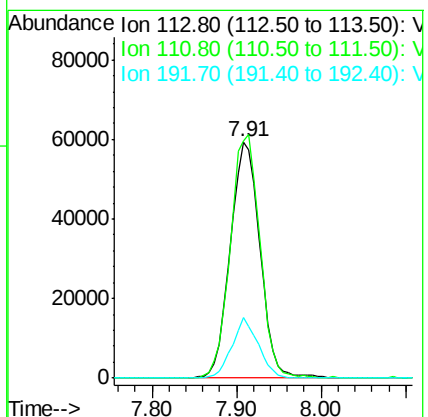
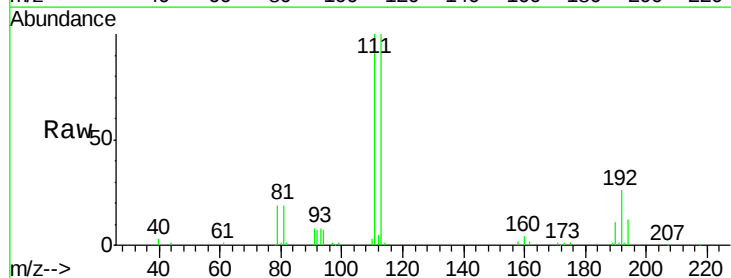
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0812SBL01

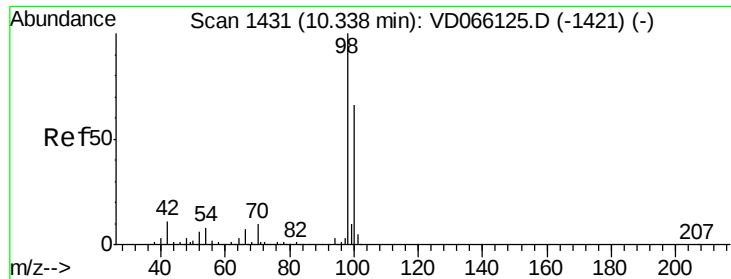
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.7  | 0.0   | 38.6  |
| 88      | 15.6  | 0.0   | 30.0  |



#35  
 Dibromofluoromethane  
 Concen: 56.337 ug/l  
 RT: 7.91 min Scan# 1018  
 Delta R.T. -0.00 min  
 Lab File: VD066201.D  
 Acq: 12 Aug 2020 13:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 80.7  | 121.1 |
| 192     | 22.9  | 18.4  | 27.6  |





#50

Toluene-d8

Concen: 54.363 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066201.D

Acq: 12 Aug 2020 13:40

Instrument :

MSVOA\_D

ClientSampleId :

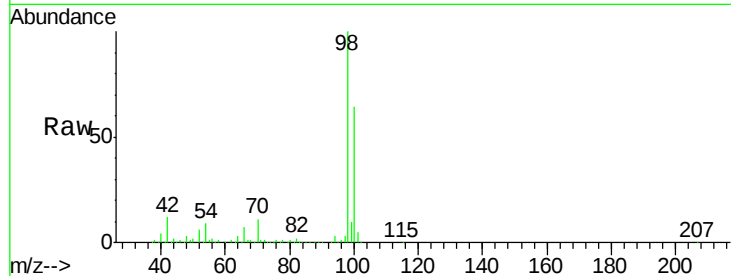
VD0812SBL01

Tot Ion: 98 Resp: 512418

Ion Ratio Lower Upper

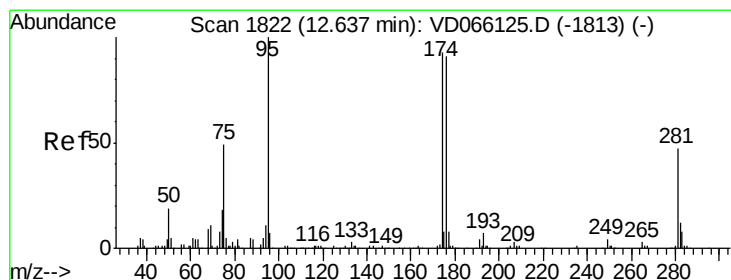
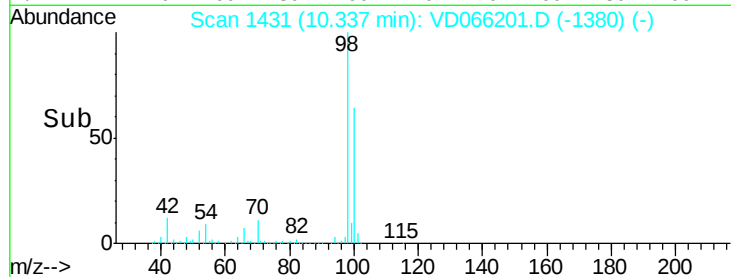
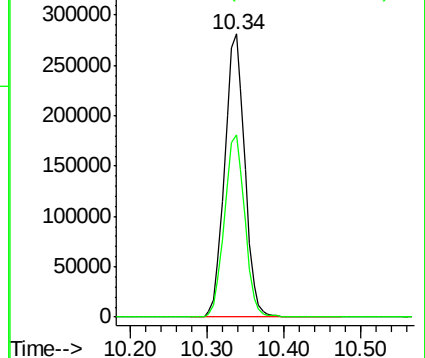
98 100

100 65.2 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 53.475 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066201.D

Acq: 12 Aug 2020 13:40

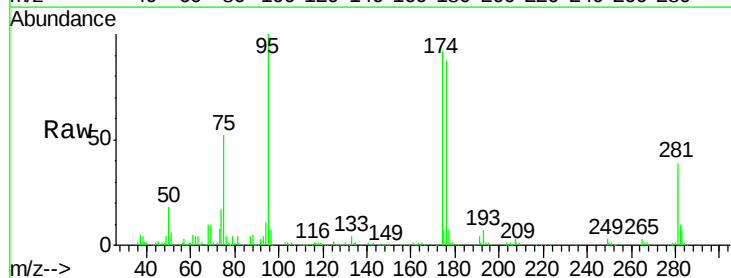
Tgt Ion: 95 Resp: 181692

Ion Ratio Lower Upper

95 100

174 90.9 0.0 180.8

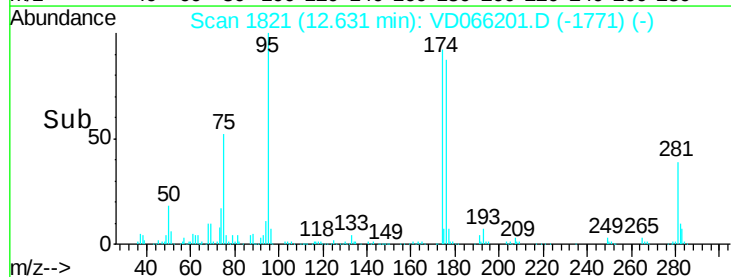
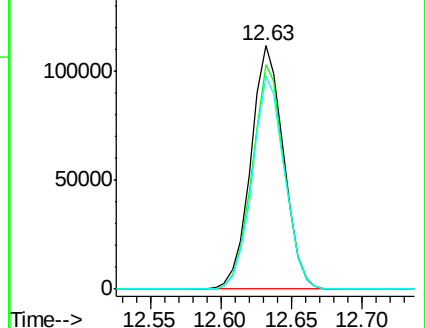
176 86.7 0.0 181.2

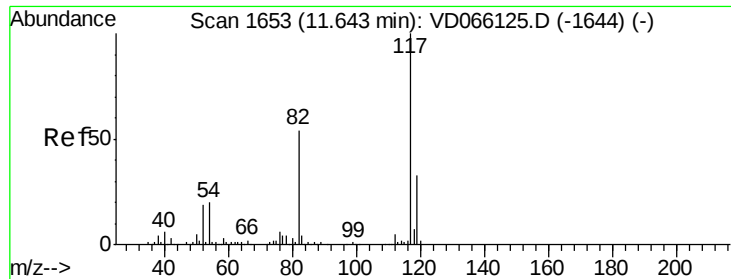


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

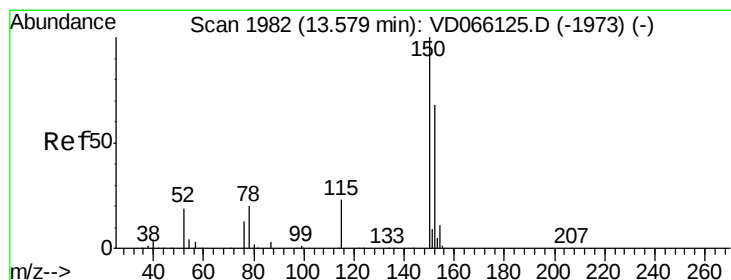
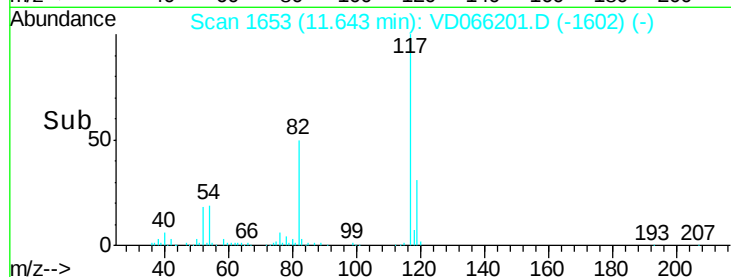
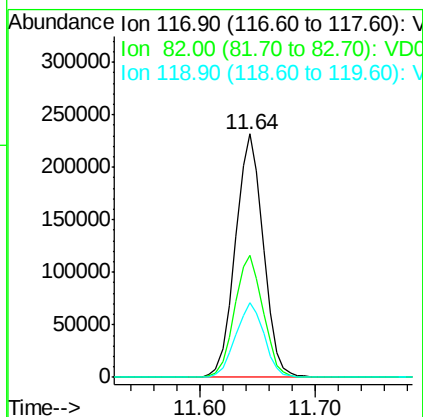
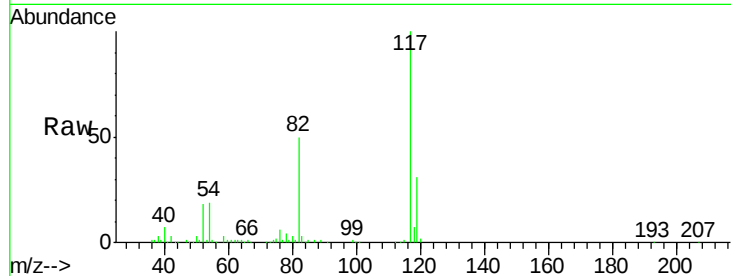




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.00 min  
Lab File: VD066201.D  
Acq: 12 Aug 2020 13:40

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0812SBL01

Tot Ion:117 Resp: 385828  
Ion Ratio Lower Upper  
117 100  
82 50.1 43.0 64.4  
119 30.8 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.00 min  
Lab File: VD066201.D  
Acq: 12 Aug 2020 13:40

Tgt Ion:152 Resp: 191206  
Ion Ratio Lower Upper  
152 100  
115 56.1 28.0 83.9  
150 155.0 0.0 346.4

