

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\  
 Data File : VD067236.D  
 Acq On : 12 Oct 2020 16:48  
 Operator : VA/SY  
 Sample : L4369-05  
 Misc : 5.08G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 HD-3

Quant Time: Oct 13 00:51:01 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  | 332286   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 551810   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 505689   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 227089   | 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   | 171850   | 53.69 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 107.38% |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 177363   | 49.10 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.20%  |          |
| 50) Toluene-d8              | 10.34 | 98   | 641192   | 48.71 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.42%  |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 211664   | 47.36 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.72%  |          |

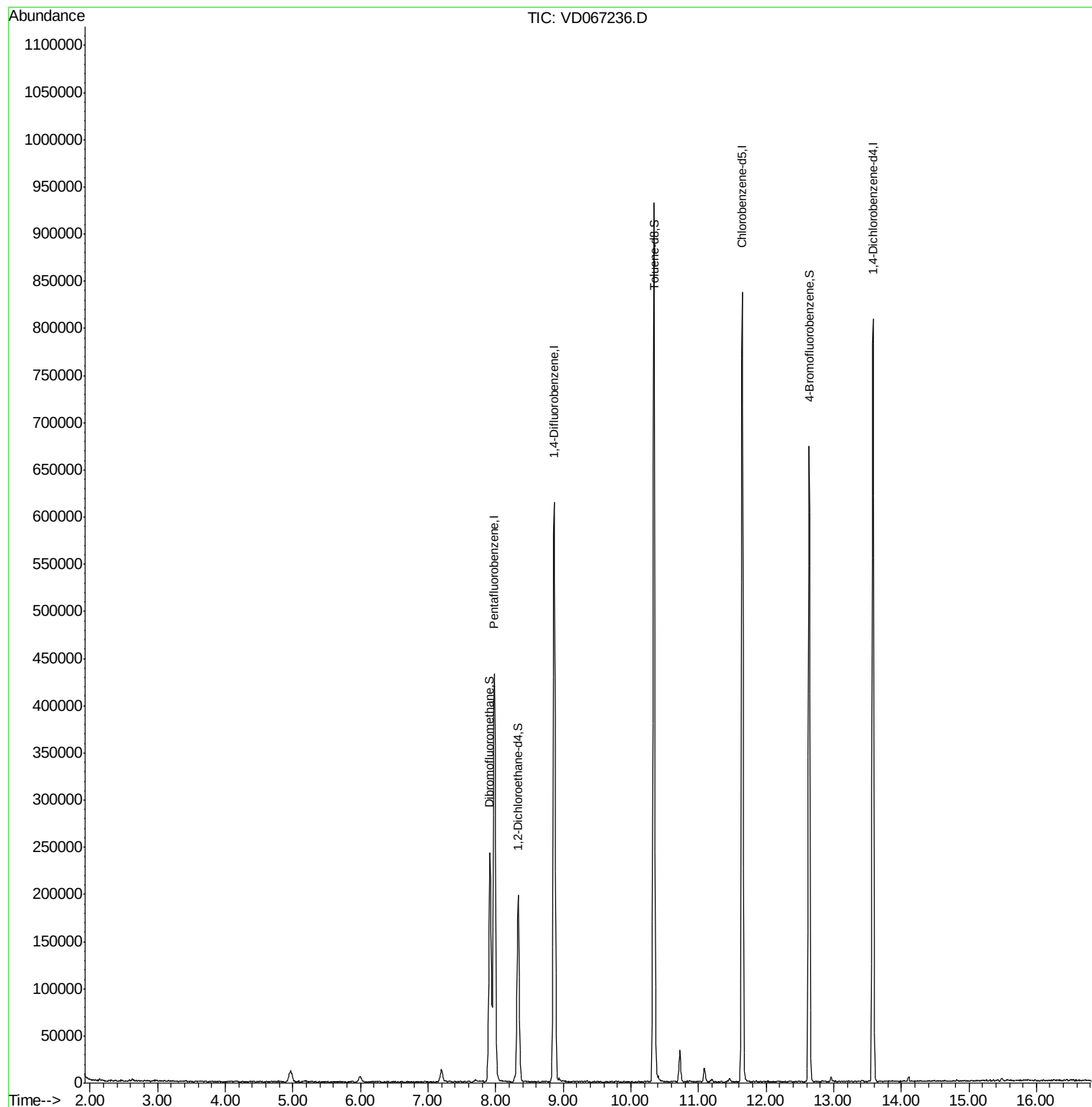
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

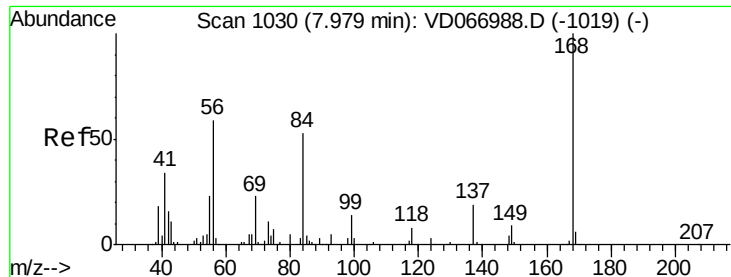
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067236.D

Acq: 12 Oct 2020 16:48

Instrument :

MSVOA\_D

ClientSampleId :

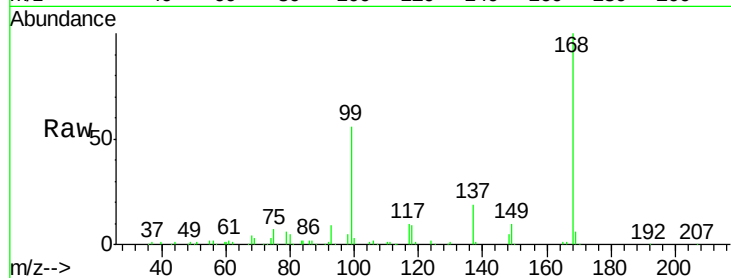
HD-3

Tot Ion:168 Resp: 332286

Ion Ratio Lower Upper

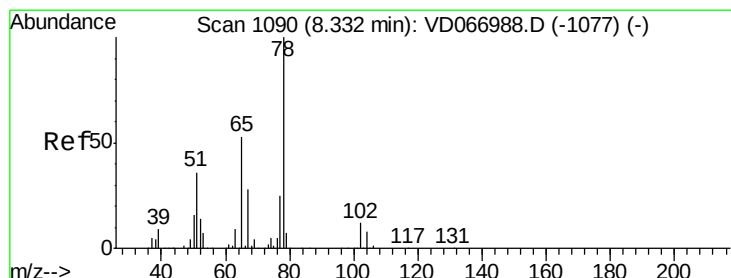
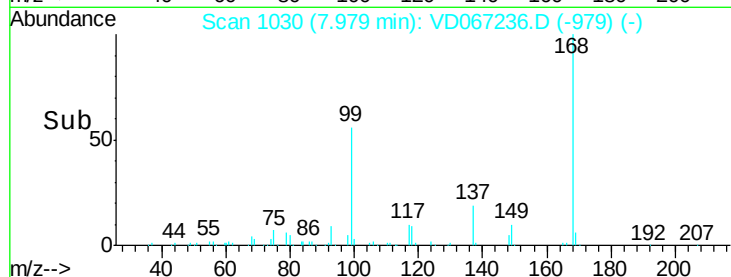
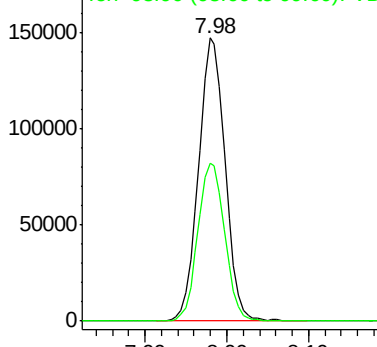
168 100

99 56.0 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: 53.694 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067236.D

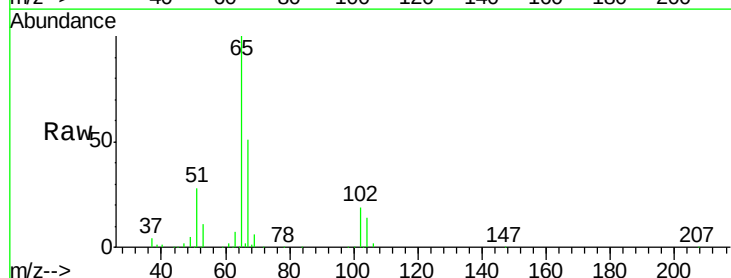
Acq: 12 Oct 2020 16:48

Tgt Ion: 65 Resp: 171850

Ion Ratio Lower Upper

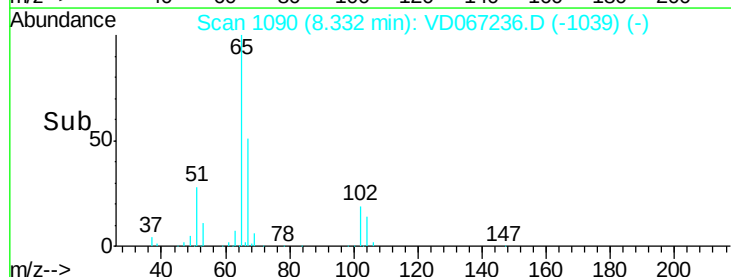
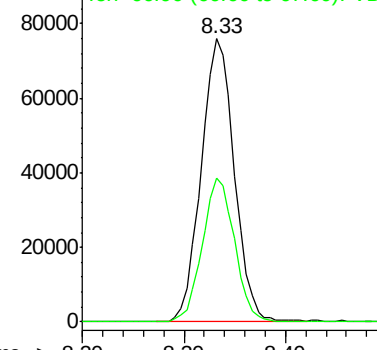
65 100

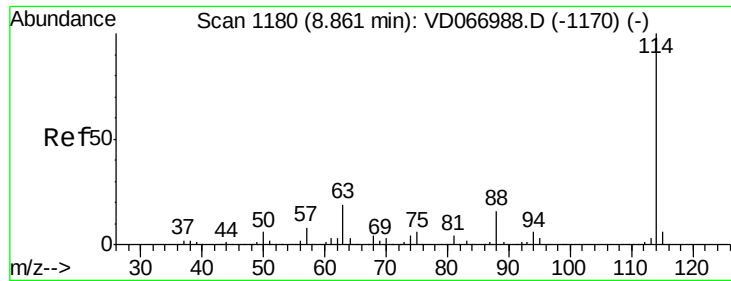
67 49.4 0.0 106.8



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: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067236.D

Acq: 12 Oct 2020 16:48

Instrument :

MSVOA\_D

ClientSampleId :

HD-3

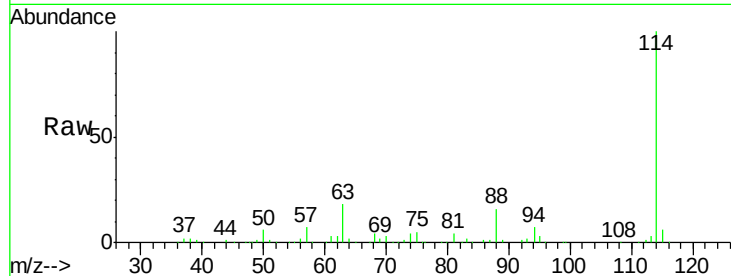
Tot Ion:114 Resp: 551810

Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

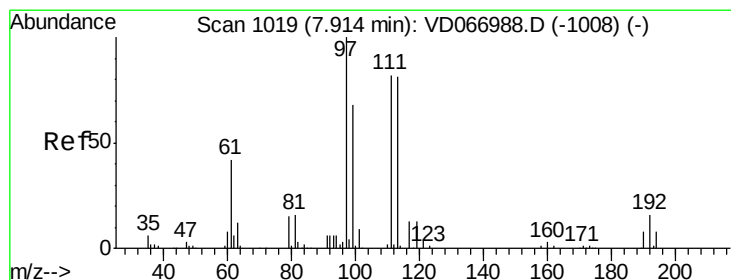
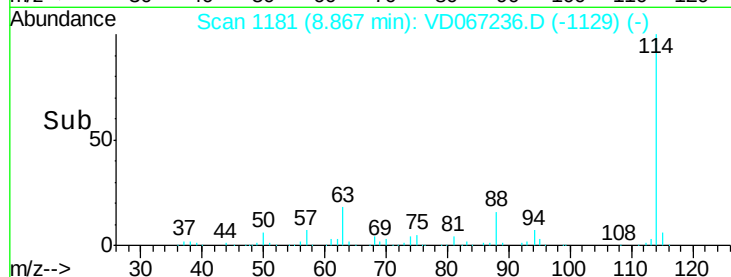
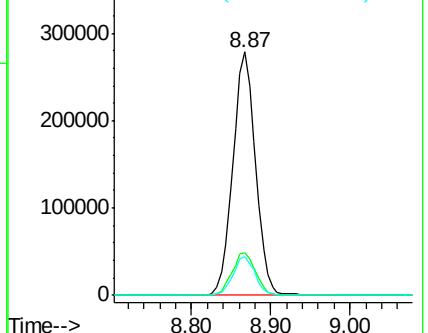
88 15.8 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 49.096 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067236.D

Acq: 12 Oct 2020 16:48

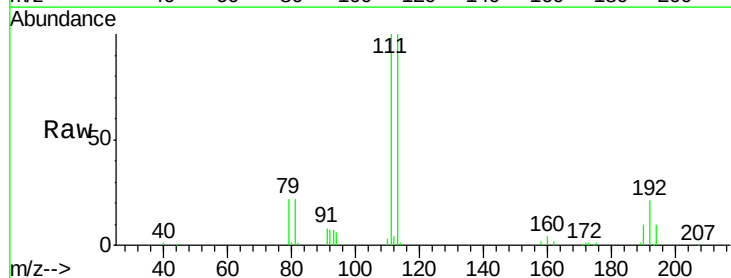
Tgt Ion:113 Resp: 177363

Ion Ratio Lower Upper

113 100

111 101.0 83.0 124.4

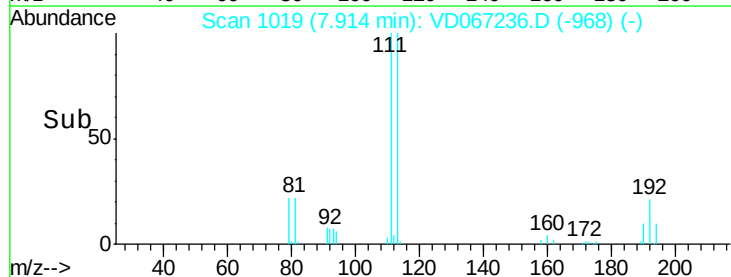
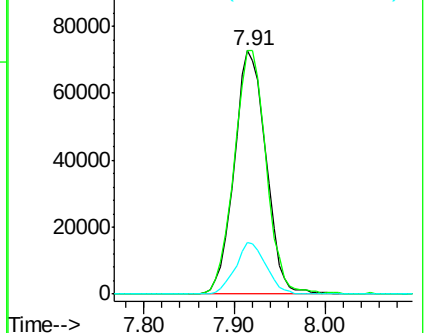
192 20.5 15.5 23.3

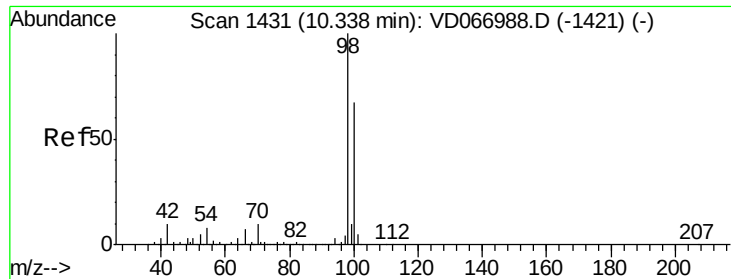


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.709 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD067236.D

Acq: 12 Oct 2020 16:48

Instrument :

MSVOA\_D

ClientSampleId :

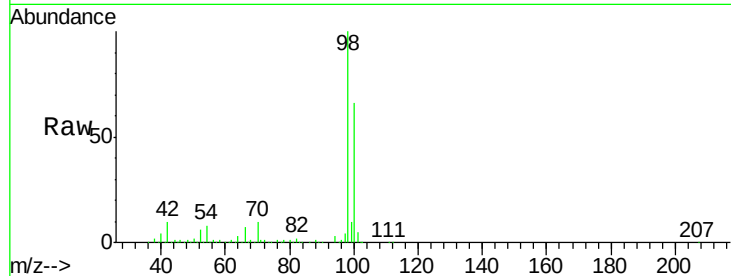
HD-3

Tot Ion: 98 Resp: 641192

Ion Ratio Lower Upper

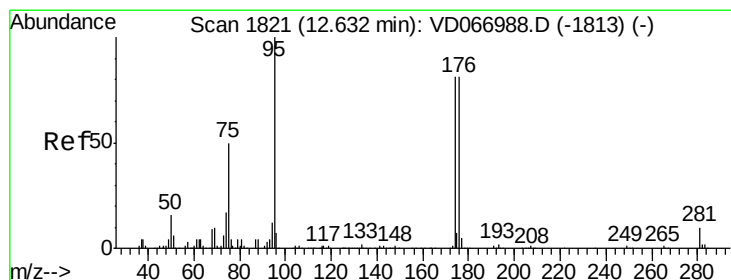
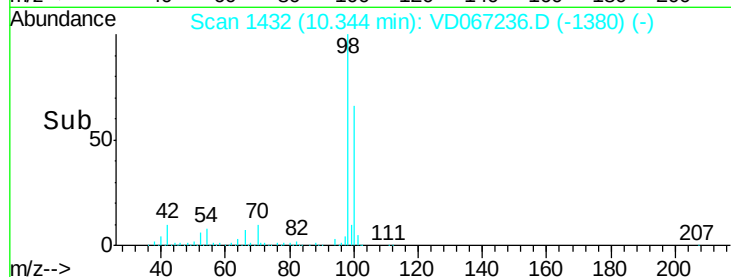
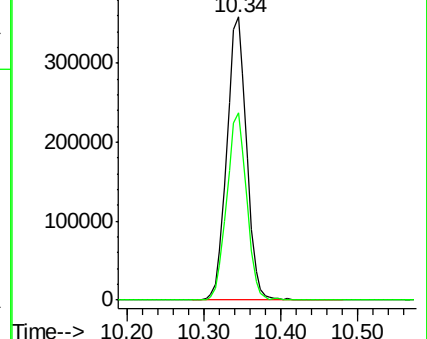
98 100

100 66.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 47.365 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067236.D

Acq: 12 Oct 2020 16:48

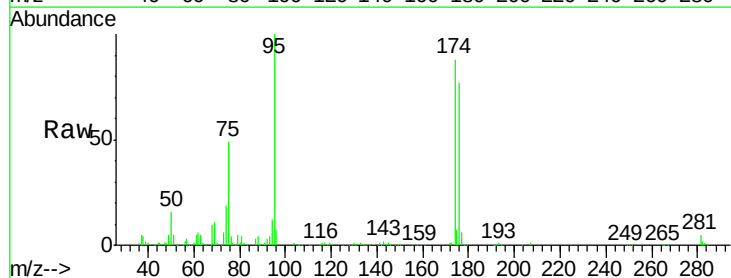
Tgt Ion: 95 Resp: 211664

Ion Ratio Lower Upper

95 100

174 86.7 0.0 167.6

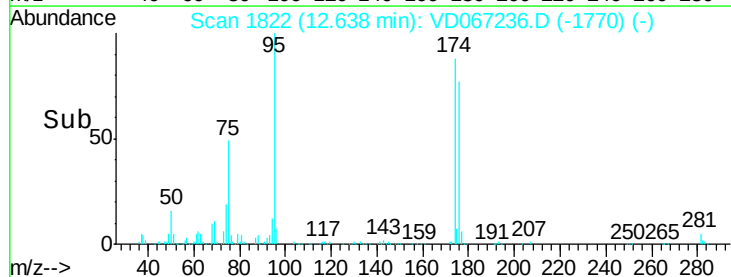
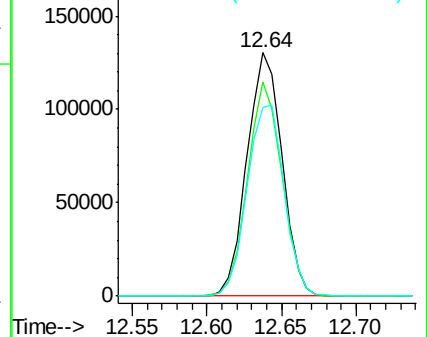
176 82.7 0.0 162.4

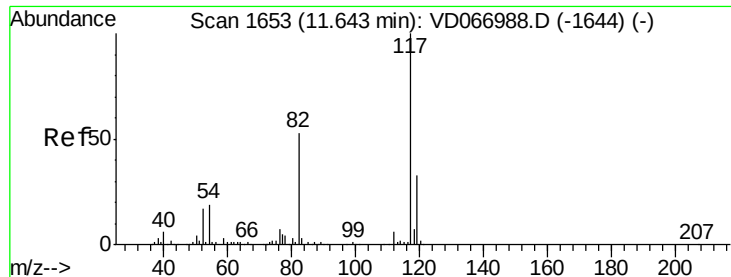


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

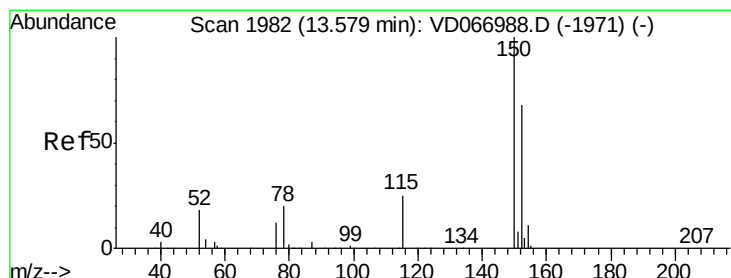
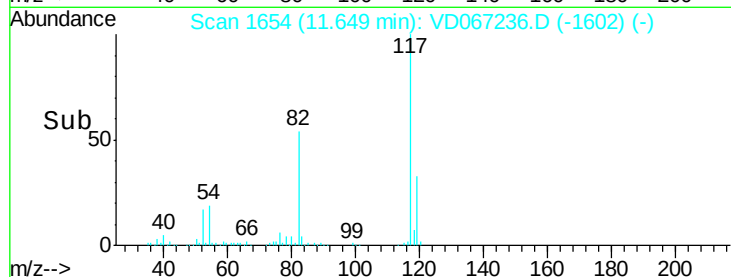
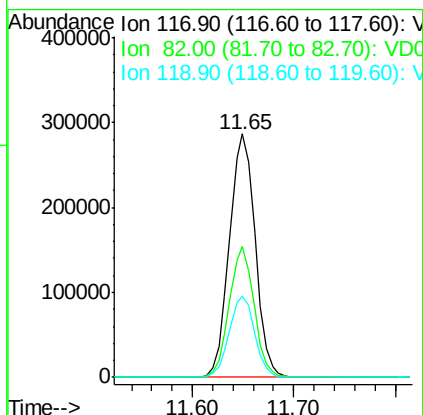
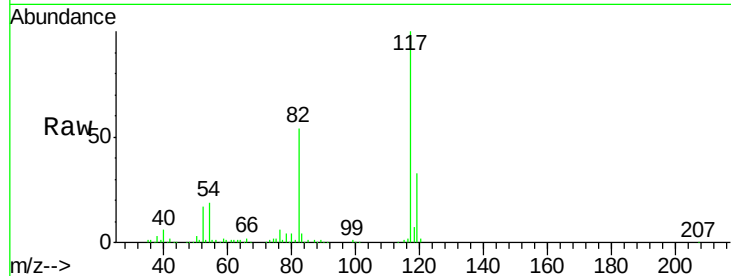




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.01 min  
Lab File: VD067236.D  
Acq: 12 Oct 2020 16:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-3

Tot Ion:117 Resp: 505689  
Ion Ratio Lower Upper  
117 100  
82 53.9 42.6 63.8  
119 33.1 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. 0.01 min  
Lab File: VD067236.D  
Acq: 12 Oct 2020 16:48

Tgt Ion:152 Resp: 227089  
Ion Ratio Lower Upper  
152 100  
115 60.9 29.6 88.8  
150 161.9 0.0 344.8

