

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\  
 Data File : VD067232.D  
 Acq On : 12 Oct 2020 14:25  
 Operator : VA/SY  
 Sample : L4340-03  
 Misc : 5.06G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 A-2332-MH12

Quant Time: Oct 13 00:43:34 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

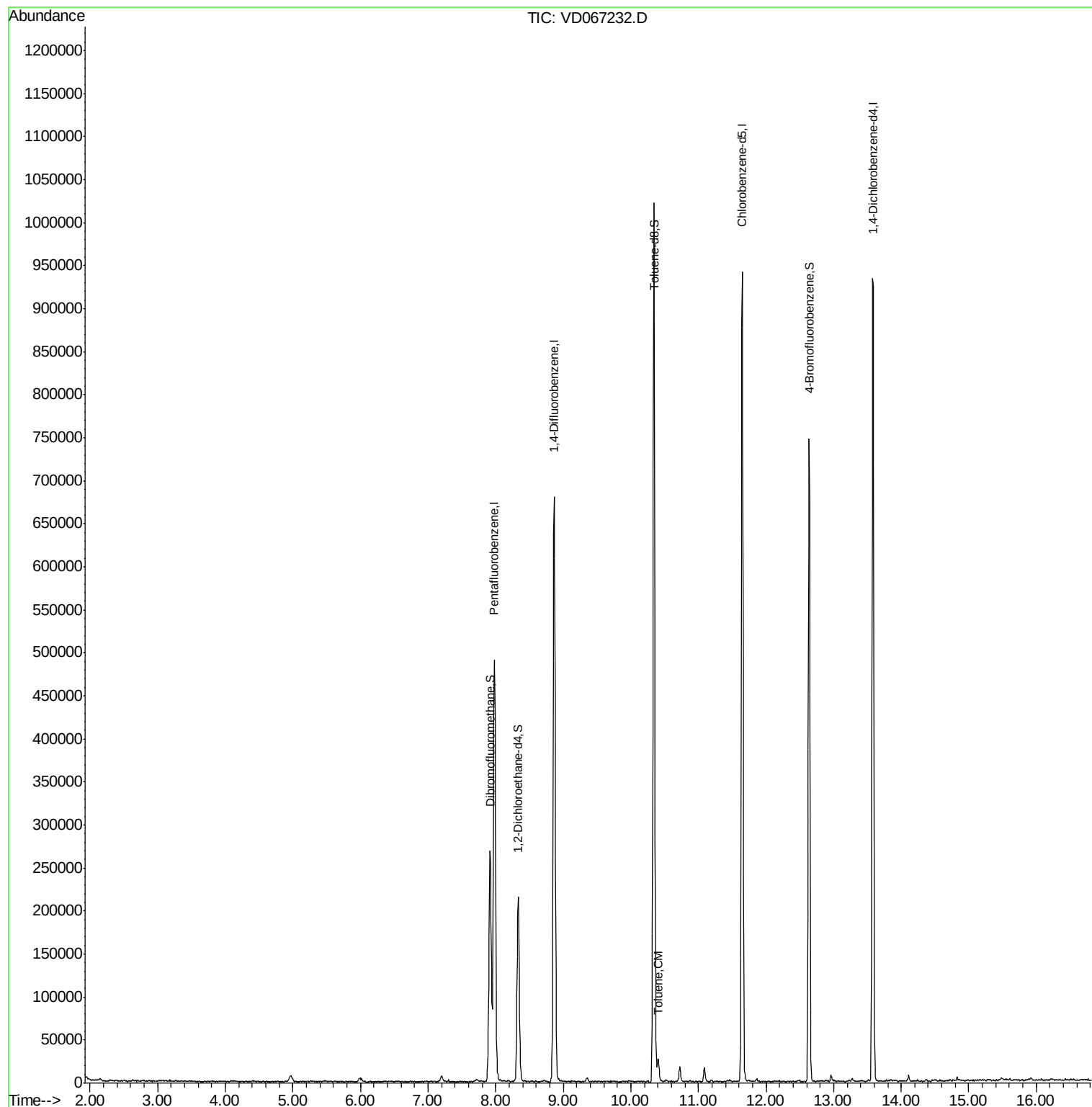
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 379533   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 609314   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 562972   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 273032   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 185532   | 50.75 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.50% |           |
| 35) Dibromofluoromethane    | 7.92  | 113  | 194668   | 48.80 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.60%  |           |
| 50) Toluene-d8              | 10.34 | 98   | 712107   | 48.99 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.98%  |           |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 244211   | 49.49 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.98%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 52) Toluene                 | 10.41 | 92   | 11005    | 1.083 | ug/l    | Qvalue 89 |

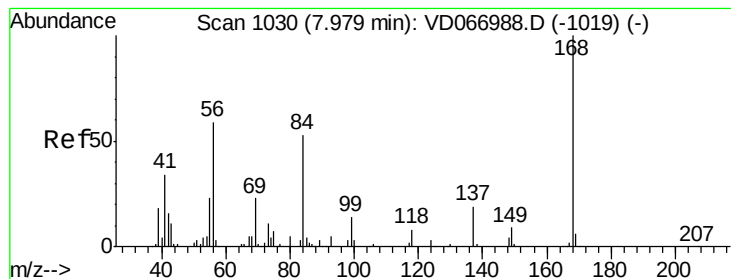
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101220\  
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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# 1031

Delta R.T. 0.01 min

Lab File: VD067232.D

Acq: 12 Oct 2020 14:25

Instrument :

MSVOA\_D

ClientSampleId :

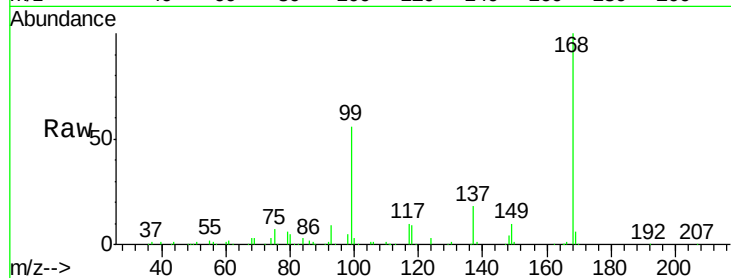
A-2332-MH12

Tot Ion:168 Resp: 379533

Ion Ratio Lower Upper

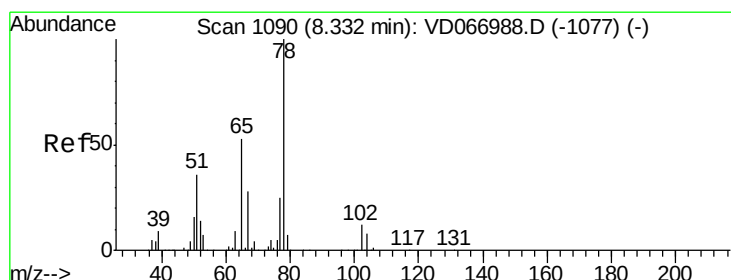
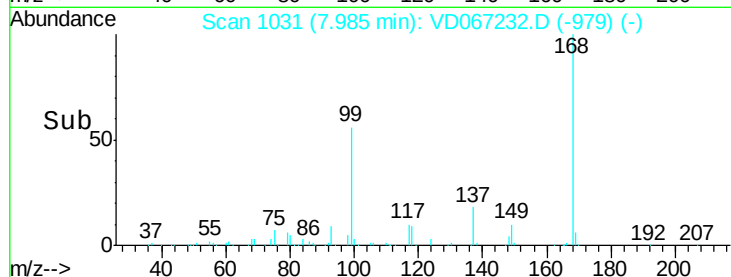
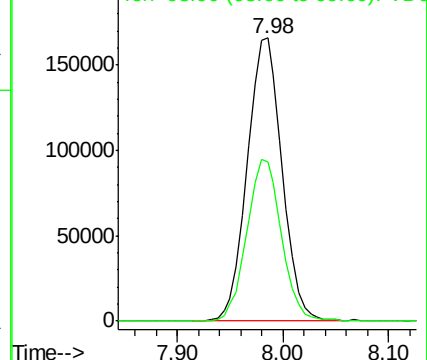
168 100

99 56.4 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: 50.752 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067232.D

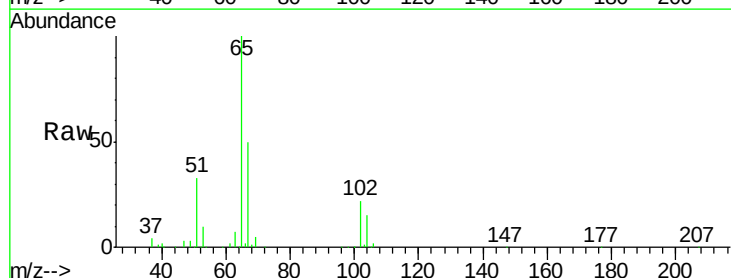
Acq: 12 Oct 2020 14:25

Tgt Ion: 65 Resp: 185532

Ion Ratio Lower Upper

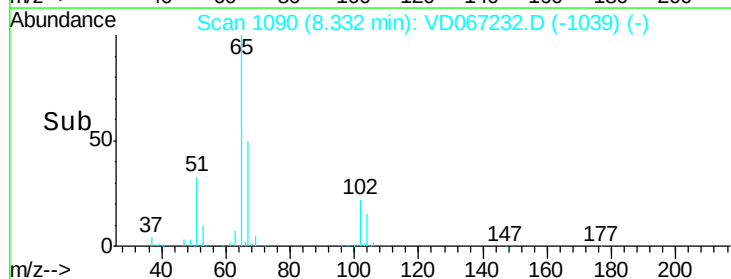
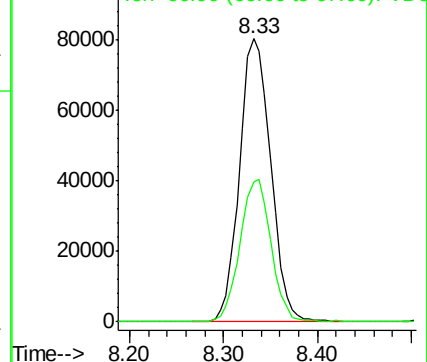
65 100

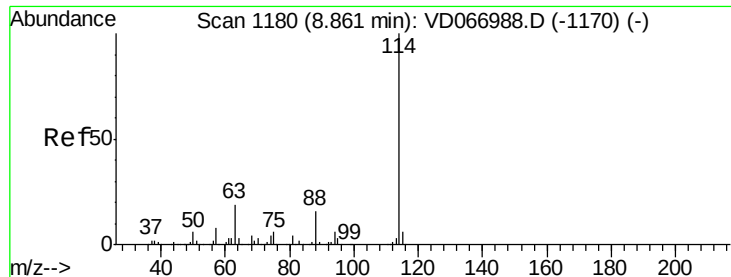
67 50.0 0.0 106.8



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: VD067232.D

Acq: 12 Oct 2020 14:25

Instrument :

MSVOA\_D

ClientSampleId :

A-2332-MH12

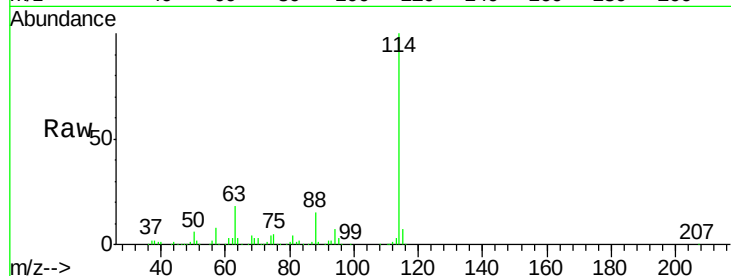
Tot Ion:114 Resp: 609314

Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

88 15.1 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

8.87

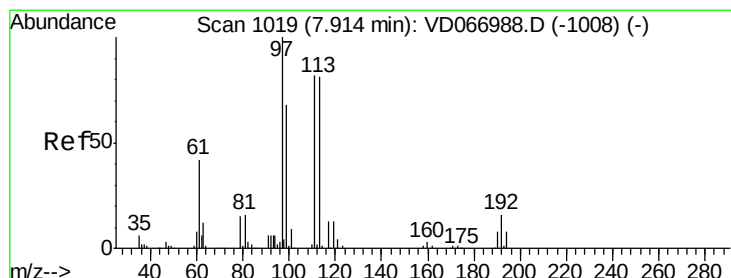
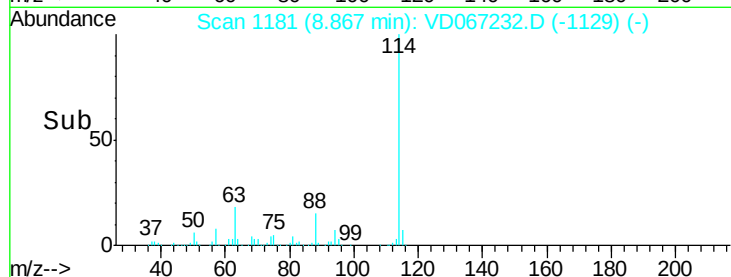
300000

200000

100000

0

Time-->



#35

Dibromofluoromethane

Concen: 48.800 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067232.D

Acq: 12 Oct 2020 14:25

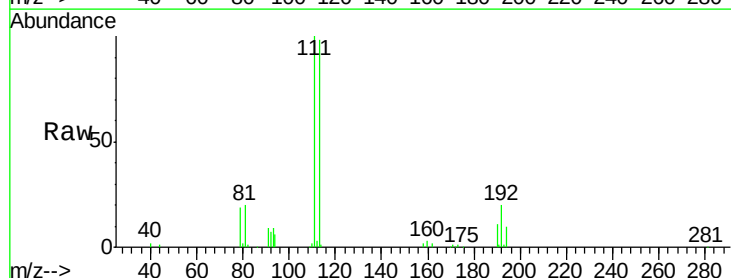
Tgt Ion:113 Resp: 194668

Ion Ratio Lower Upper

113 100

111 106.1 83.0 124.4

192 20.8 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

7.92

100000

80000

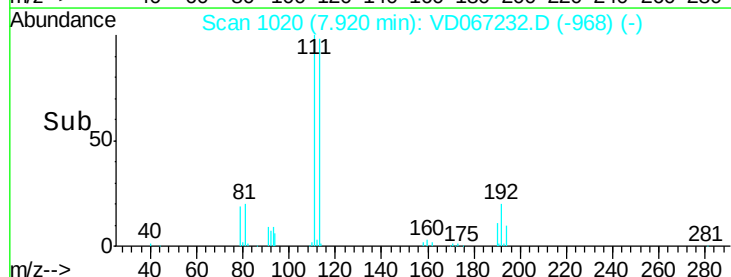
60000

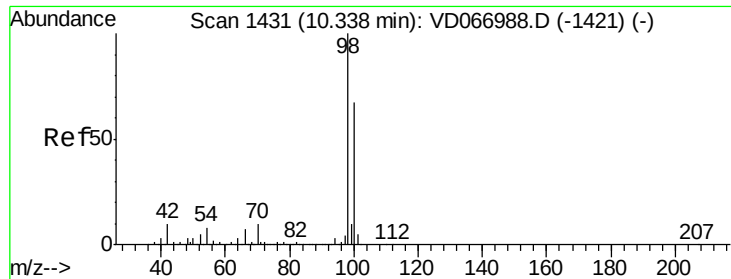
40000

20000

0

Time-->





#50

Toluene-d8

Concen: 48.990 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD067232.D

Acq: 12 Oct 2020 14:25

Instrument :

MSVOA\_D

ClientSampleId :

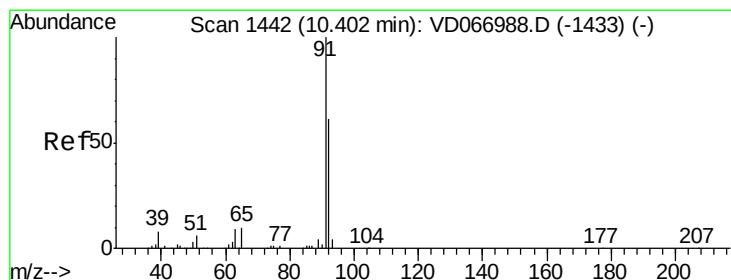
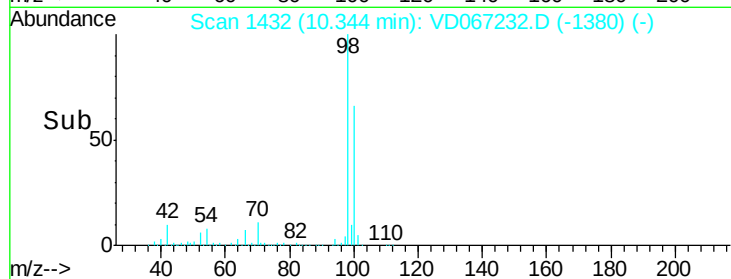
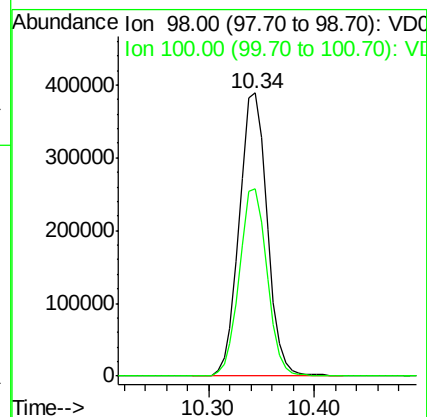
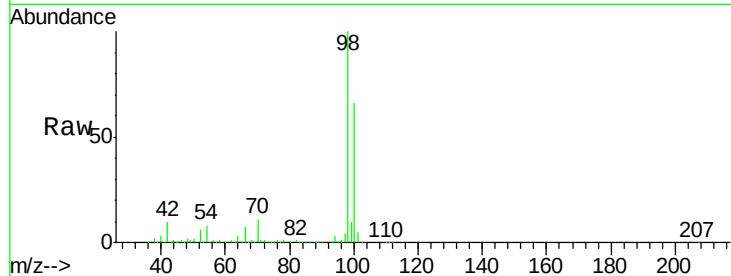
A-2332-MH12

Tot Ion: 98 Resp: 712107

Ion Ratio Lower Upper

98 100

100 65.7 52.8 79.2



#52

Toluene

Concen: 1.083 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD067232.D

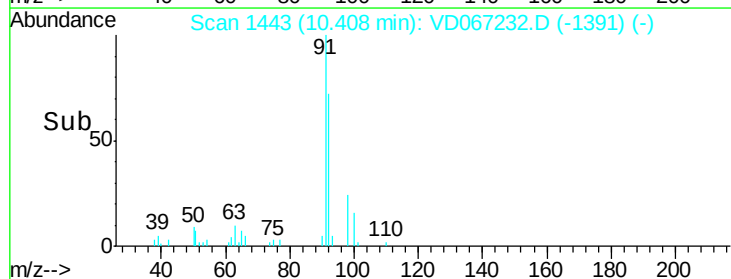
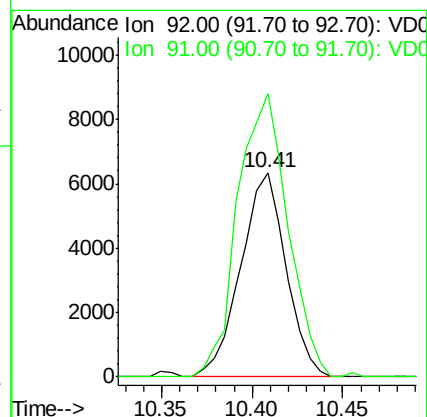
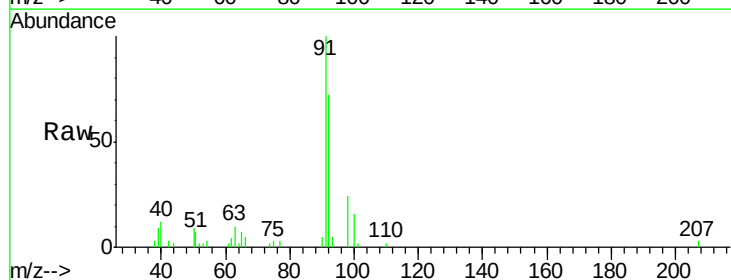
Acq: 12 Oct 2020 14:25

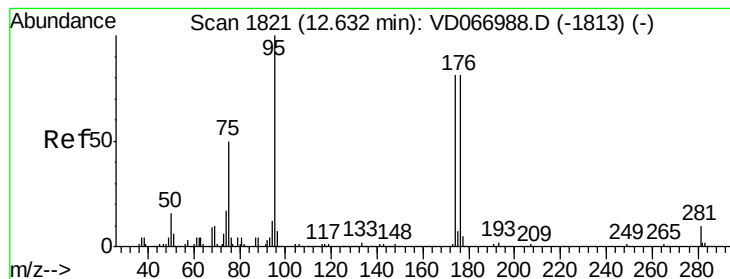
Tgt Ion: 92 Resp: 11005

Ion Ratio Lower Upper

92 100

91 153.5 135.1 202.7





#62

4-Bromofluorobenzene

Concen: 49.490 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067232.D

Acq: 12 Oct 2020 14:25

Instrument :

MSVOA\_D

ClientSampleId :

A-2332-MH12

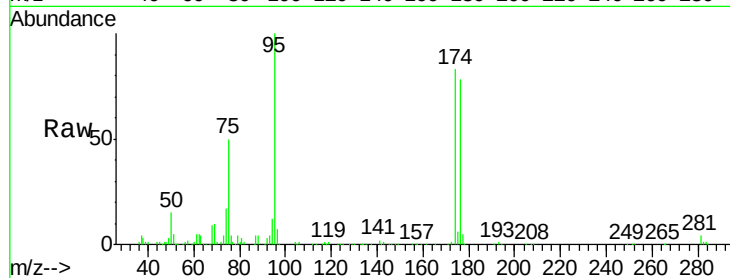
Tot Ion: 95 Resp: 244211

Ion Ratio Lower Upper

95 100

174 86.4 0.0 167.6

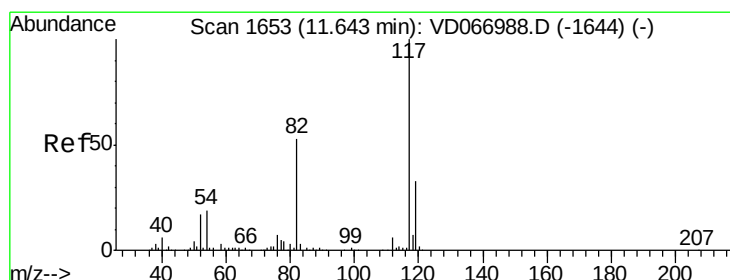
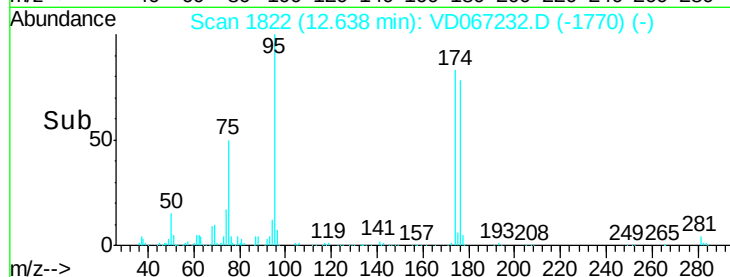
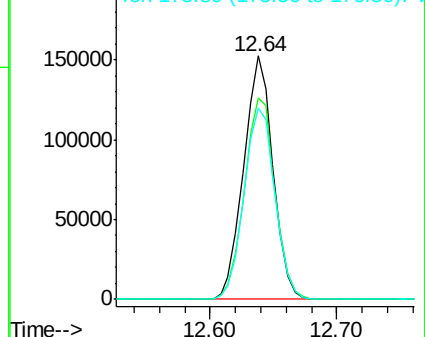
176 82.6 0.0 162.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD067232.D

Acq: 12 Oct 2020 14:25

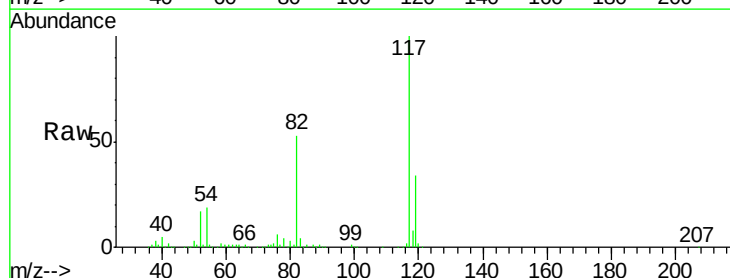
Tgt Ion: 117 Resp: 562972

Ion Ratio Lower Upper

117 100

82 53.1 42.6 63.8

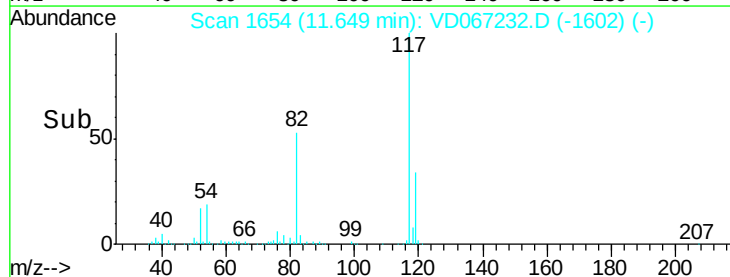
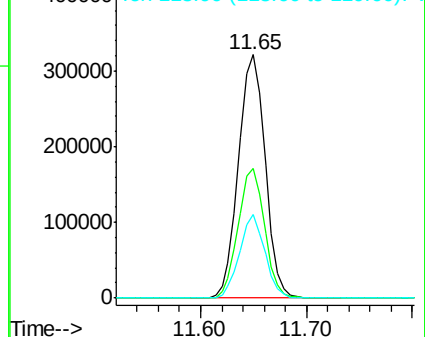
119 34.4 26.3 39.5

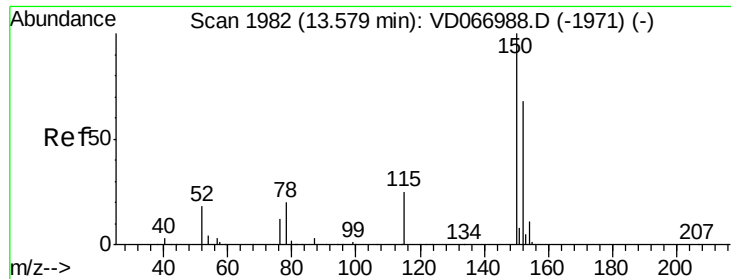


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

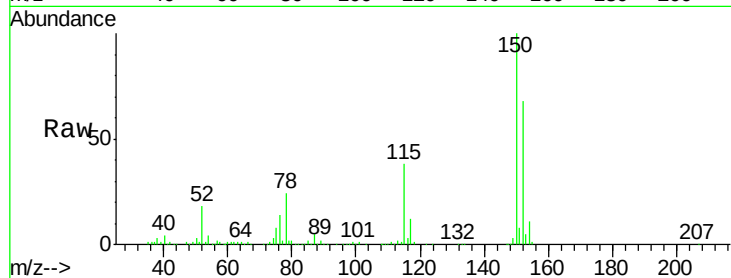




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.58 min Scan# 1983  
 Delta R.T. 0.01 min  
 Lab File: VD067232.D  
 Acq: 12 Oct 2020 14:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 A-2332-MH12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.2  | 29.6  | 88.8  |
| 150     | 153.8 | 0.0   | 344.8 |



Abundance Ion 151.90 (151.60 to 152.60): V  
 Ion 114.90 (114.60 to 115.60): V  
 Ion 149.90 (149.60 to 150.60): V

