

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111820\  
 Data File : VD067688.D  
 Acq On : 18 Nov 2020 16:19  
 Operator : VA/SY  
 Sample : L4771-08  
 Misc : 4.67G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CD-BH-02-0-1

Quant Time: Nov 19 01:00:23 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110320S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 04 00:56:28 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 274918   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 421361   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 450721   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 225134   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.33   | 65  | 119705   | 49.80 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.60%  |      |
| 35) Dibromofluoromethane    | 7.92   | 113 | 128595   | 50.65 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.30% |      |
| 50) Toluene-d8              | 10.34  | 98  | 508344   | 56.98 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 113.96% |      |
| 62) 4-Bromofluorobenzene    | 12.64  | 95  | 192489   | 62.49 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 124.98% |      |

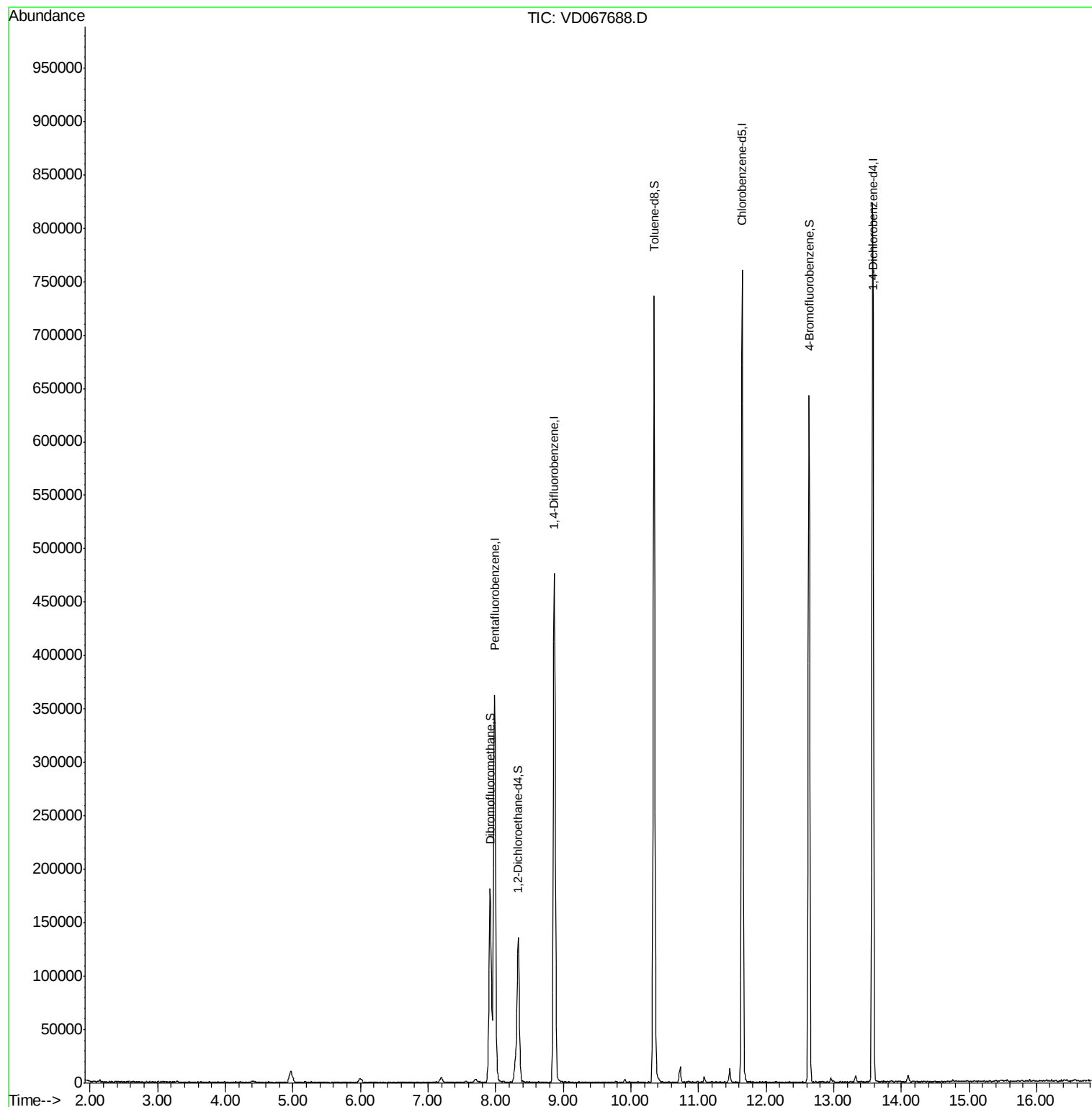
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

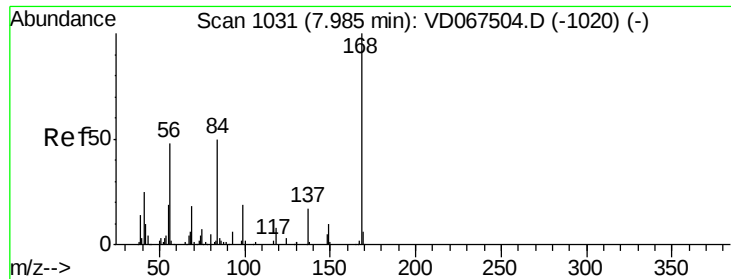
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067688.D

Acq: 18 Nov 2020 16:19

Instrument :

MSVOA\_D

ClientSampleId :

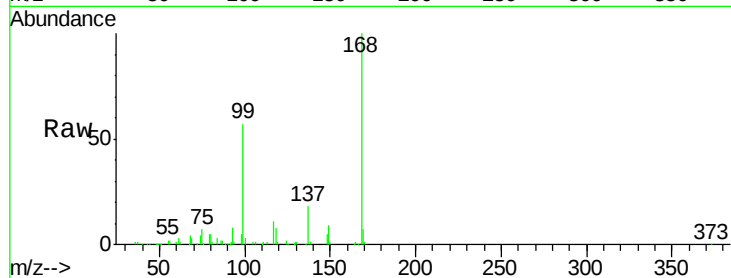
CD-BH-02-0-1

Tot Ion:168 Resp: 274918

Ion Ratio Lower Upper

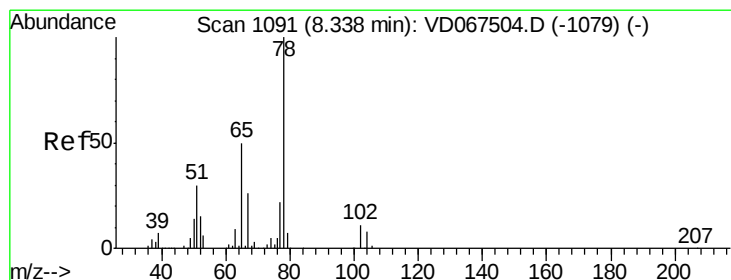
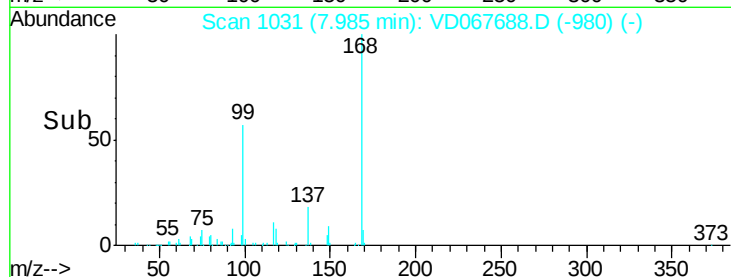
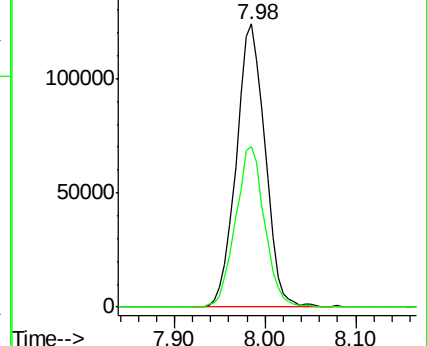
168 100

99 56.5 45.0 67.6



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: 49.797 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067688.D

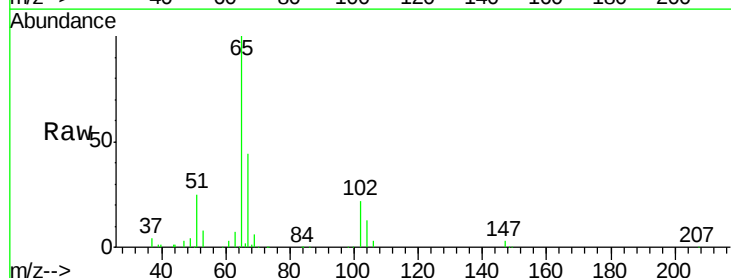
Acq: 18 Nov 2020 16:19

Tgt Ion: 65 Resp: 119705

Ion Ratio Lower Upper

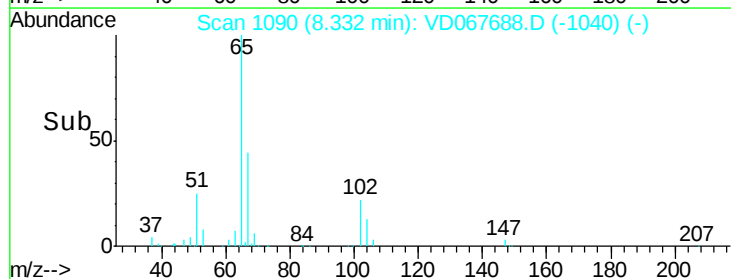
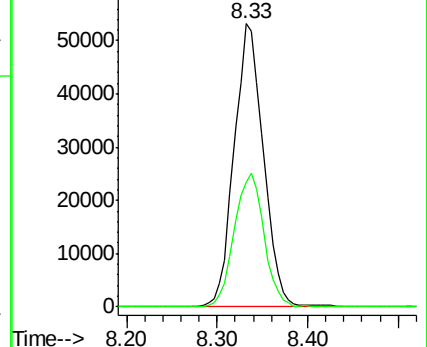
65 100

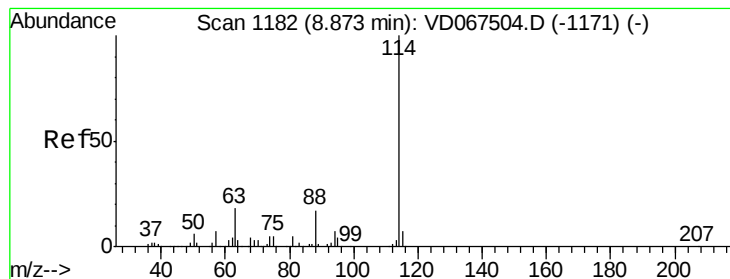
67 47.8 0.0 99.4



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: VD067688.D

Acq: 18 Nov 2020 16:19

Instrument :

MSVOA\_D

ClientSampleId :

CD-BH-02-0-1

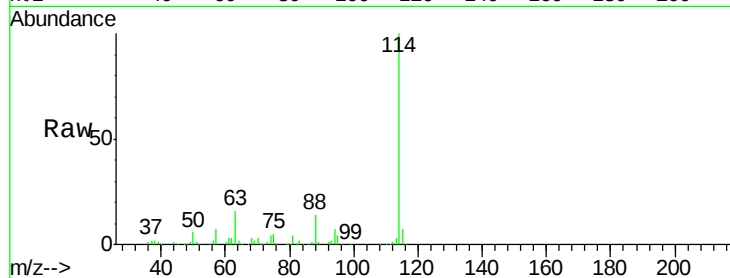
Tot Ion:114 Resp: 421361

Ion Ratio Lower Upper

114 100

63 16.2 0.0 35.0

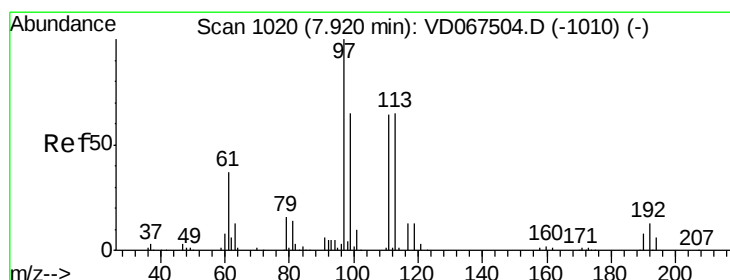
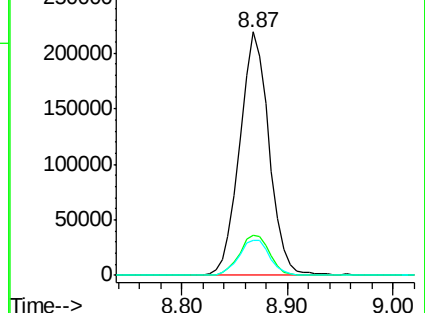
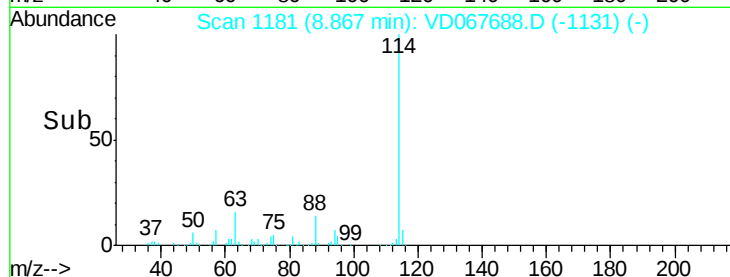
88 14.3 0.0 33.0



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: 50.654 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067688.D

Acq: 18 Nov 2020 16:19

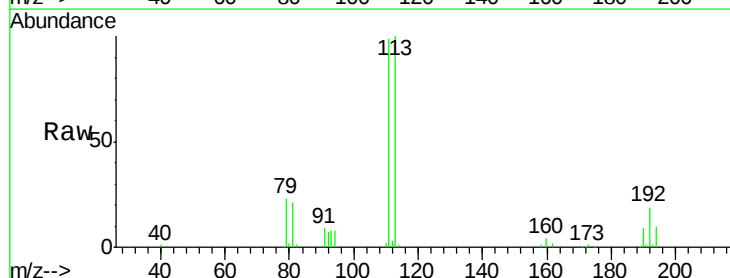
Tgt Ion:113 Resp: 128595

Ion Ratio Lower Upper

113 100

111 100.6 80.0 120.0

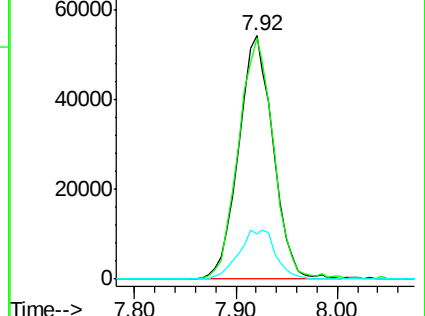
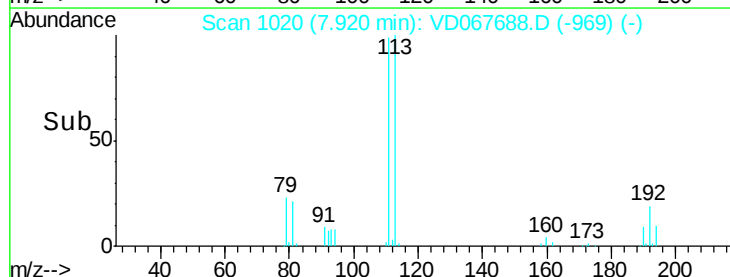
192 21.3 16.3 24.5

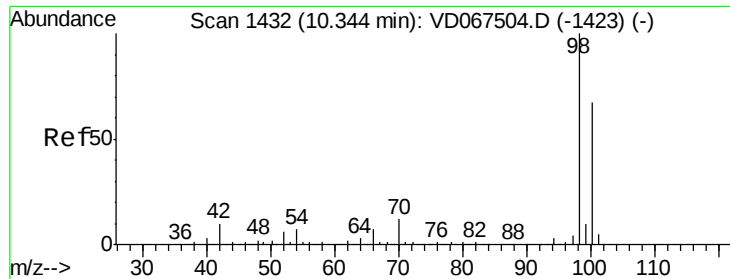


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 56.979 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067688.D

Acq: 18 Nov 2020 16:19

Instrument :

MSVOA\_D

ClientSampleId :

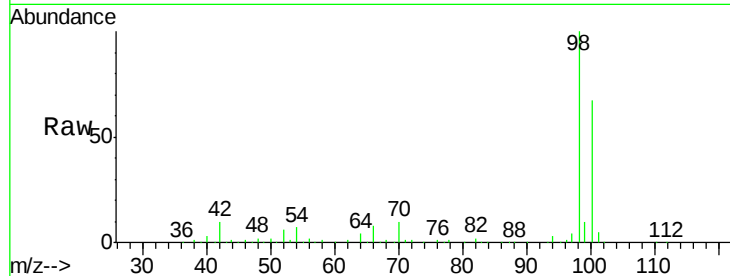
CD-BH-02-0-1

Tot Ion: 98 Resp: 508344

Ion Ratio Lower Upper

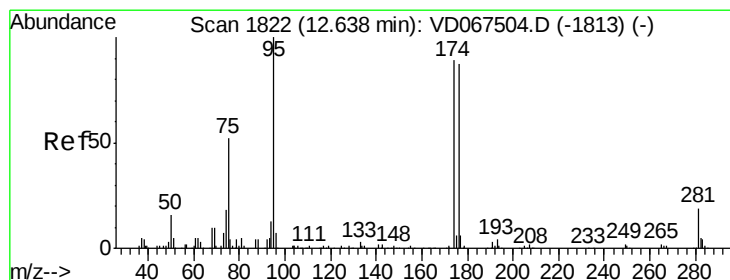
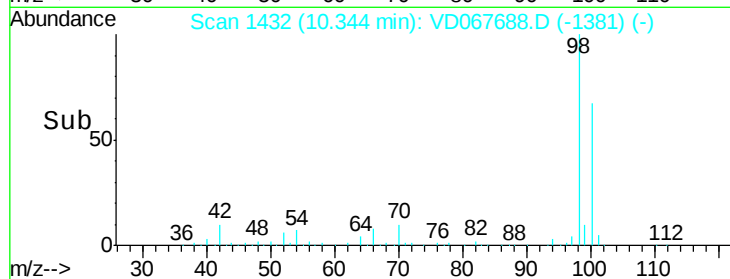
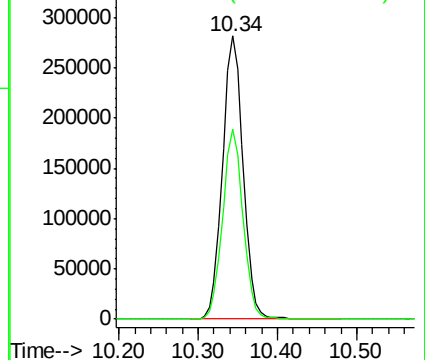
98 100

100 66.0 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 62.494 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067688.D

Acq: 18 Nov 2020 16:19

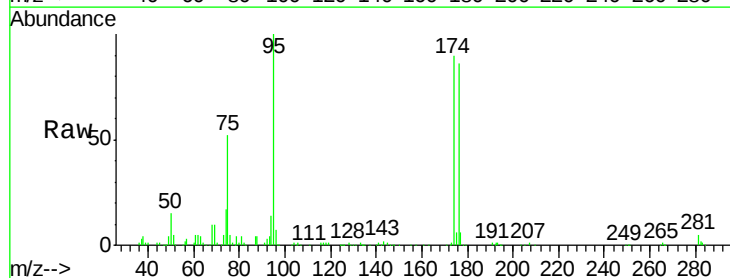
Tgt Ion: 95 Resp: 192489

Ion Ratio Lower Upper

95 100

174 93.5 0.0 177.8

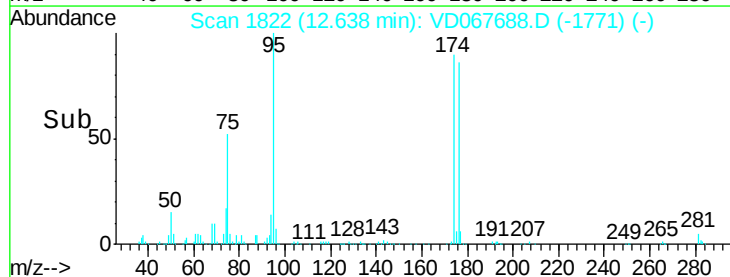
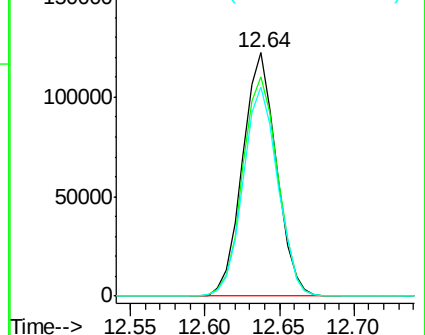
176 87.5 0.0 172.0

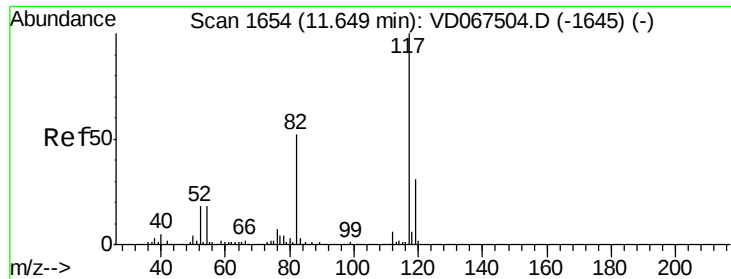


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

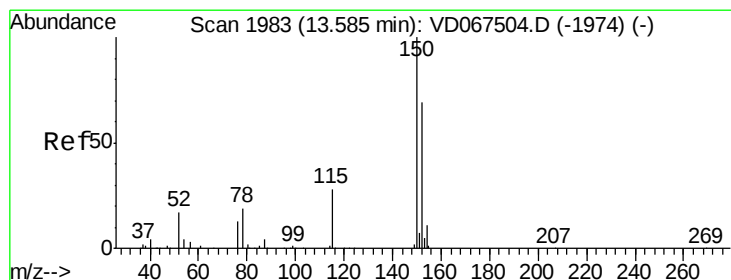
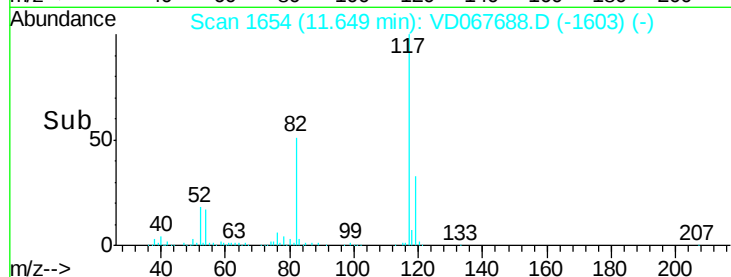
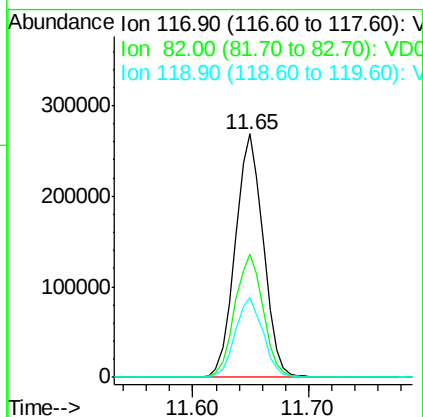
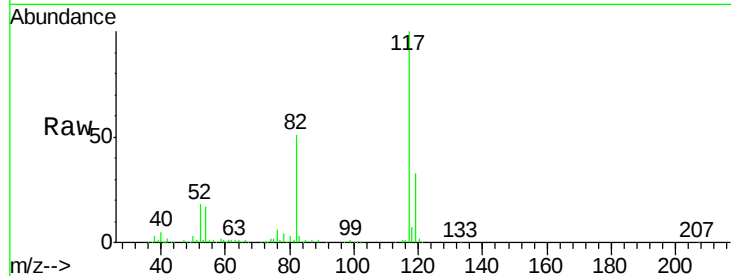




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD067688.D  
Acq: 18 Nov 2020 16:19

Instrument :  
MSVOA\_D  
ClientSampleId :  
CD-BH-02-0-1

Tot Ion:117 Resp: 450721  
Ion Ratio Lower Upper  
117 100  
82 50.7 41.6 62.4  
119 32.8 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.01 min  
Lab File: VD067688.D  
Acq: 18 Nov 2020 16:19

Tgt Ion:152 Resp: 225134  
Ion Ratio Lower Upper  
152 100  
115 59.5 29.3 88.0  
150 159.7 0.0 338.2

