

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022520\  
 Data File : VD065308.D  
 Acq On : 25 Feb 2020 15:02  
 Operator : VA/SY  
 Sample : L1678-01  
 Misc : 5.87G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VNJ-241

Quant Time: Feb 25 23:49:45 2020  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D021820S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 19 03:26:54 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 123336   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 202256   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 203836   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 91919    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.33   | 65  | 97286    | 87.68 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 175.36% |      |
| 35) Dibromofluoromethane    | 7.92   | 113 | 82376    | 66.80 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 133.60% |      |
| 50) Toluene-d8              | 10.34  | 98  | 247228   | 52.44 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.88% |      |
| 62) 4-Bromofluorobenzene    | 12.64  | 95  | 78266    | 52.40 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.80% |      |

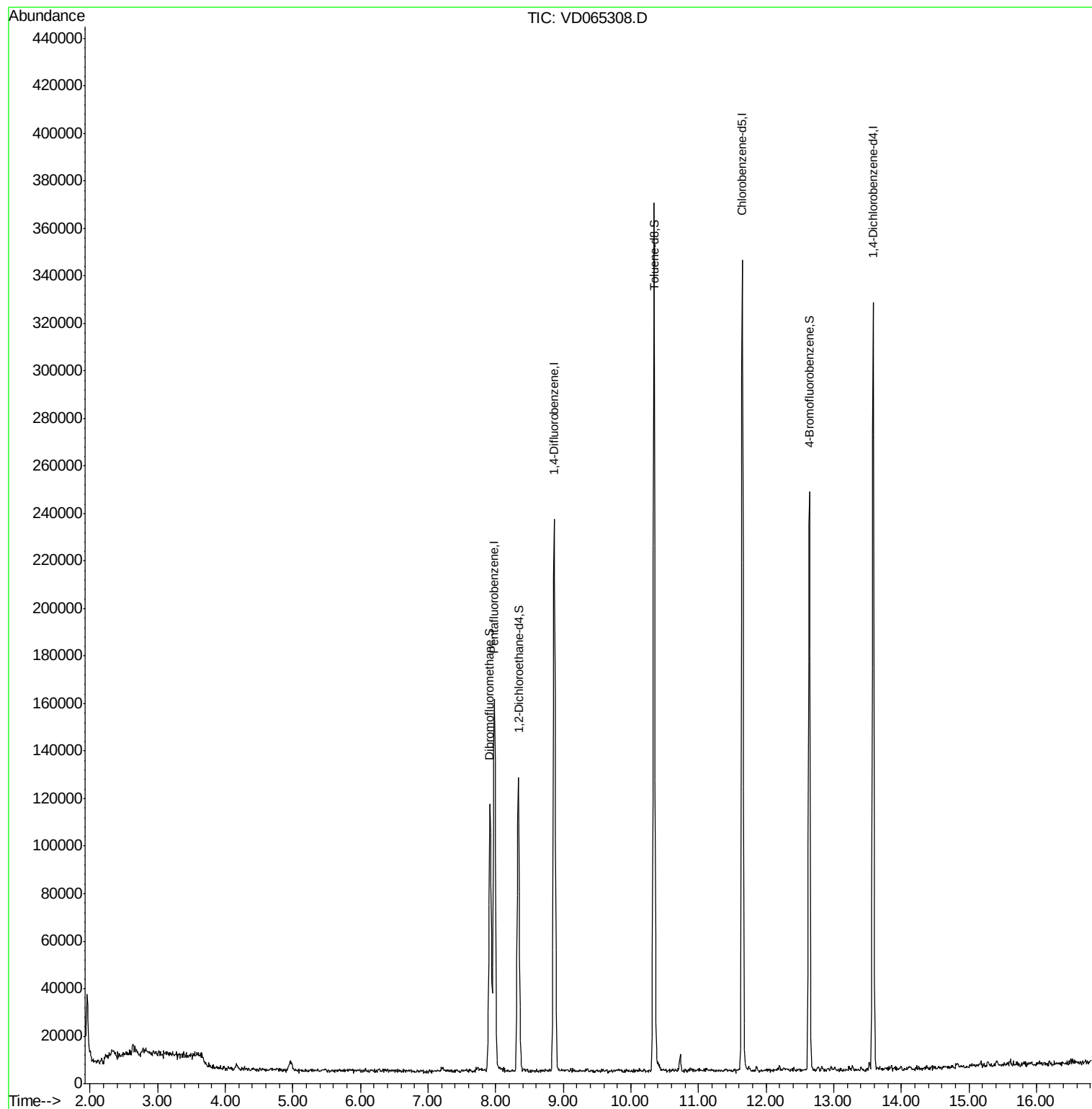
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

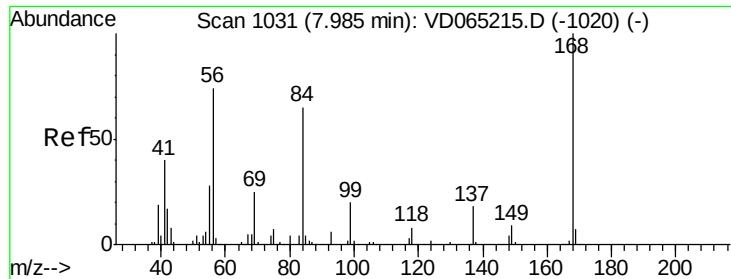
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 19 03:26:54 2020  
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: VD065308.D

Acq: 25 Feb 2020 15:02

Instrument :

MSVOA\_D

ClientSampleId :

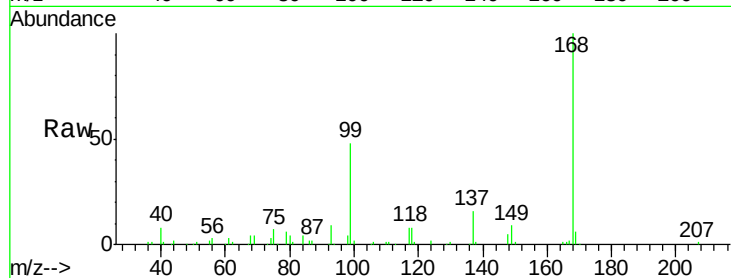
VNJ-241

Tot Ion:168 Resp: 123336

Ion Ratio Lower Upper

168 100

99 48.0 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

60000

50000

40000

30000

20000

10000

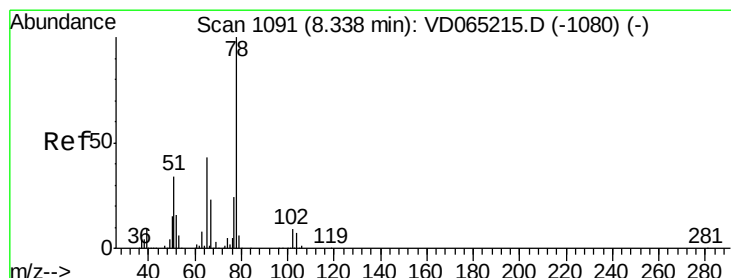
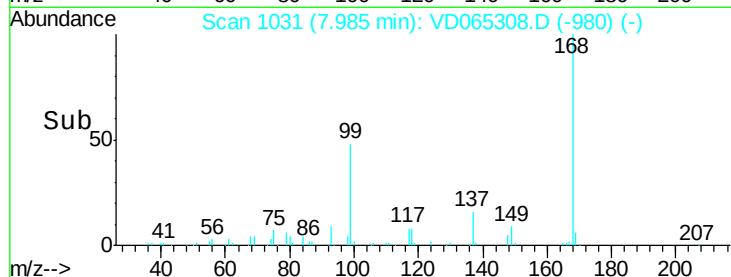
0

Time-->

7.90

8.00

8.10



#33

1,2-Dichloroethane-d4

Concen: 87.681 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065308.D

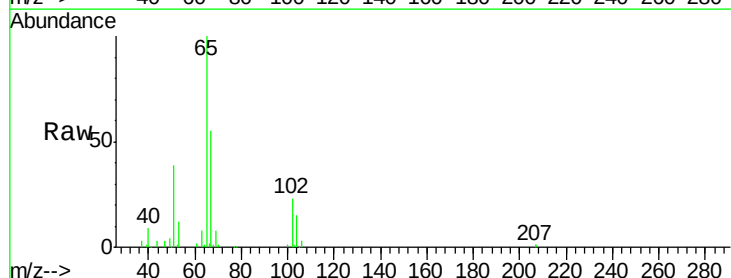
Acq: 25 Feb 2020 15:02

Tgt Ion: 65 Resp: 97286

Ion Ratio Lower Upper

65 100

67 54.8 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

50000

40000

30000

20000

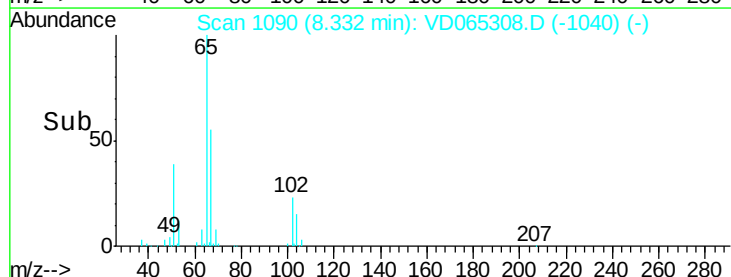
10000

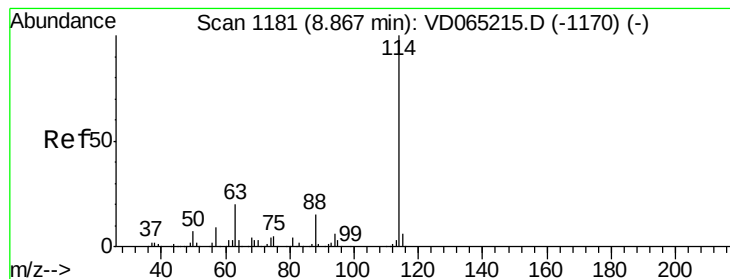
0

Time-->

8.30

8.40





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065308.D

Acq: 25 Feb 2020 15:02

Instrument :

MSVOA\_D

ClientSampleId :

VNJ-241

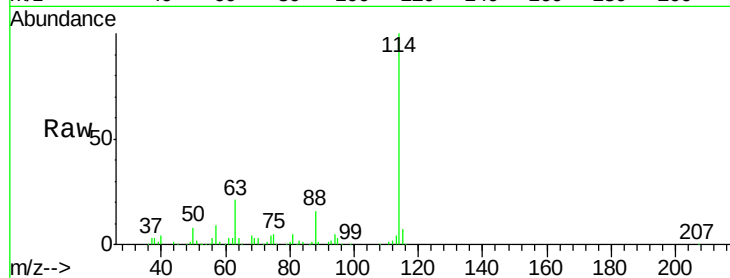
Tot Ion:114 Resp: 202256

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.4

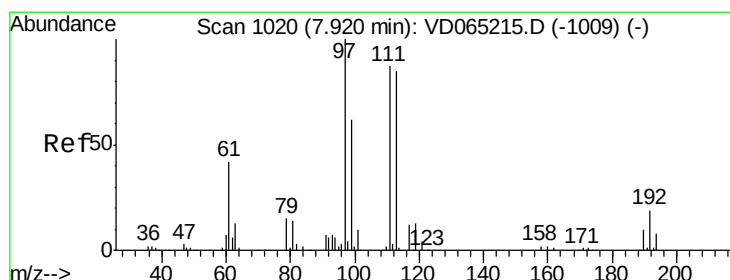
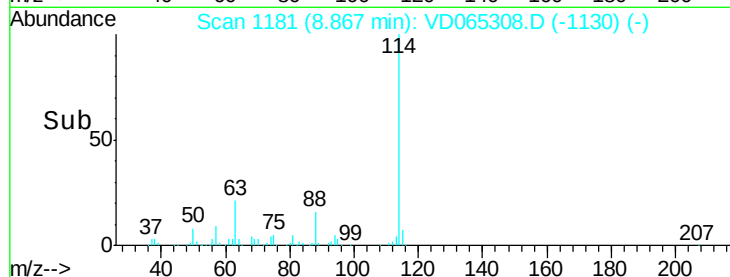
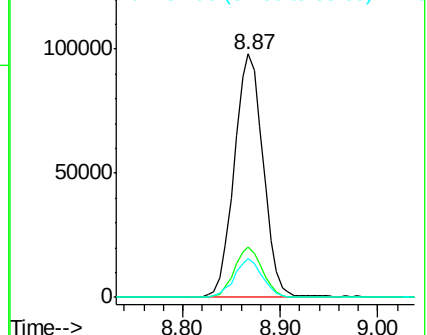
88 15.7 0.0 30.4



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: 66.797 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065308.D

Acq: 25 Feb 2020 15:02

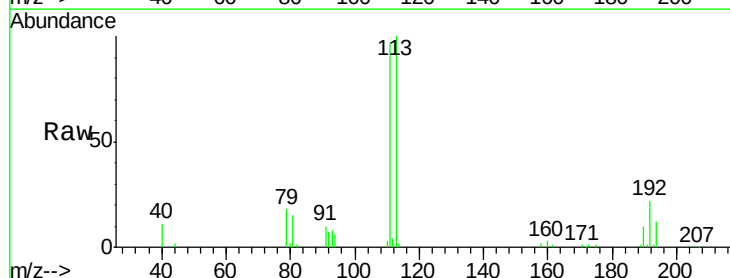
Tgt Ion:113 Resp: 82376

Ion Ratio Lower Upper

113 100

111 101.9 82.9 124.3

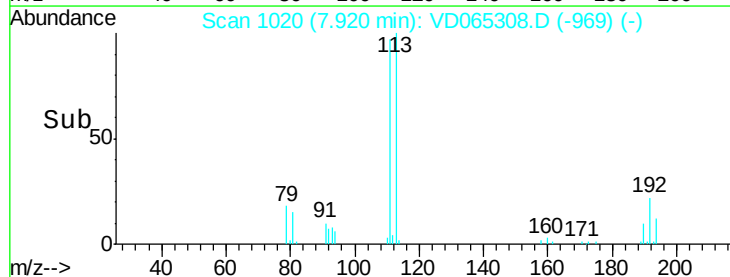
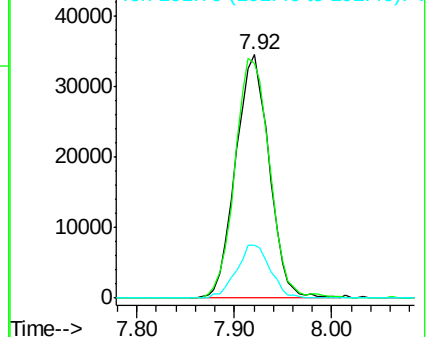
192 21.9 17.3 25.9

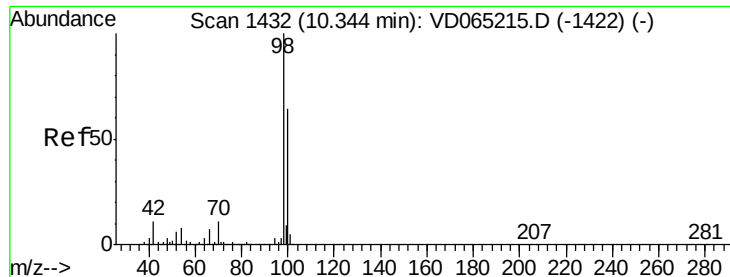


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.439 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065308.D

Acq: 25 Feb 2020 15:02

Instrument :

MSVOA\_D

ClientSampleId :

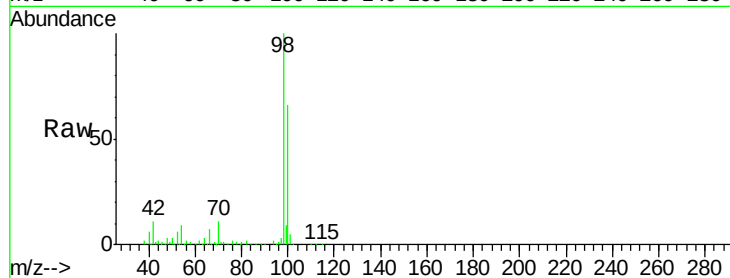
VNJ-241

Tot Ion: 98 Resp: 247228

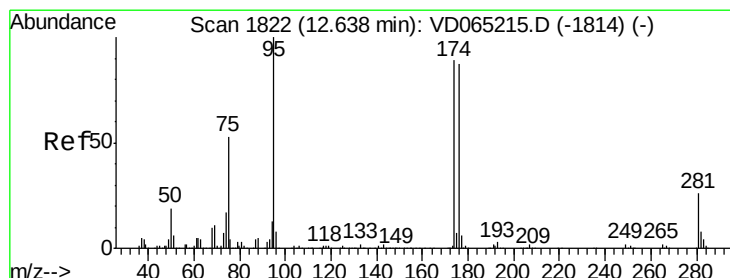
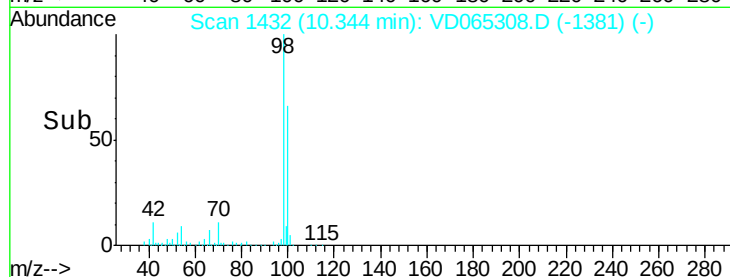
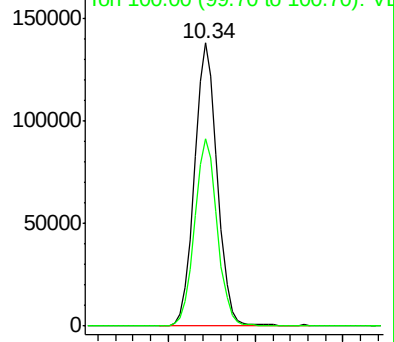
Ion Ratio Lower Upper

98 100

100 65.7 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VD065308.D (-1381) (-)



#62

4-Bromofluorobenzene

Concen: 52.403 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065308.D

Acq: 25 Feb 2020 15:02

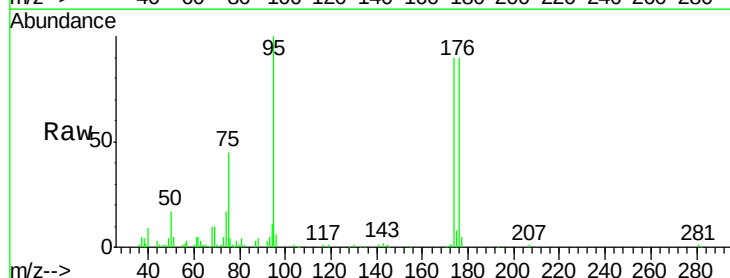
Tgt Ion: 95 Resp: 78266

Ion Ratio Lower Upper

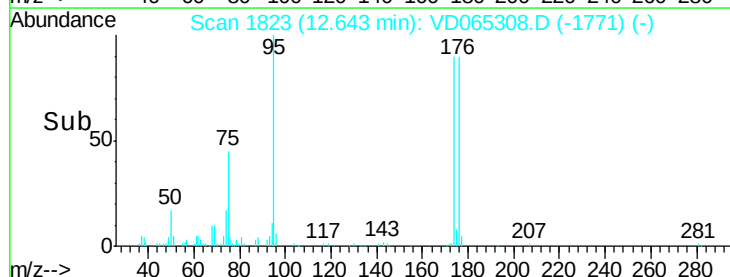
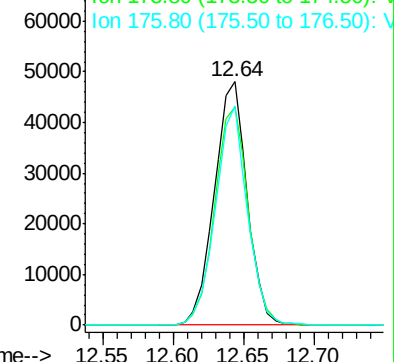
95 100

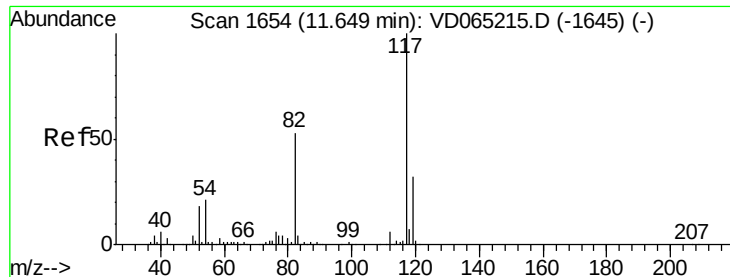
174 91.5 0.0 178.0

176 87.7 0.0 174.4



Abundance Ion 94.90 (94.60 to 95.60): VD065308.D (-1771) (-)

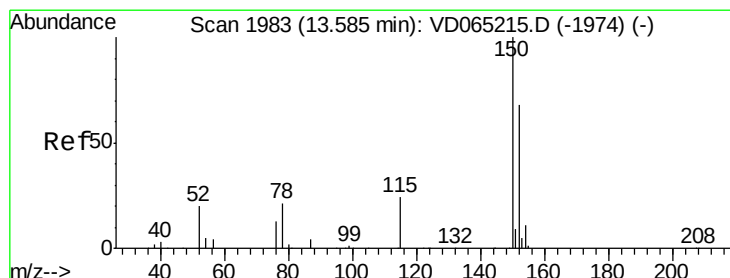
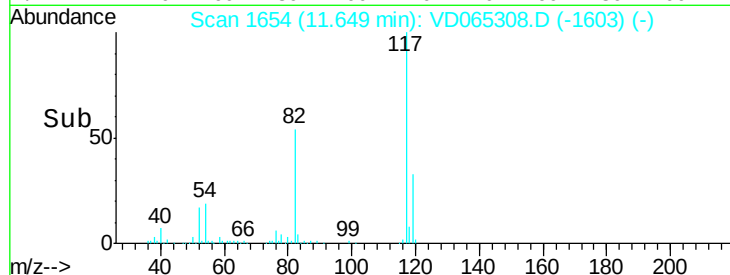
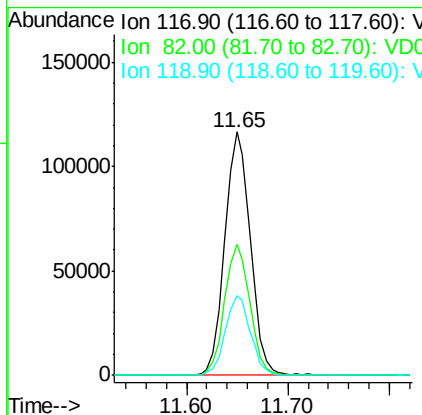
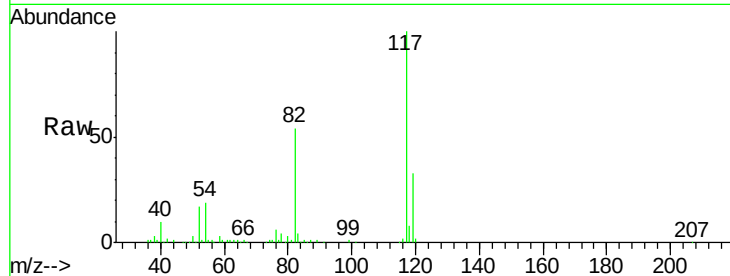




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD065308.D  
Acq: 25 Feb 2020 15:02

Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-241

Tot Ion:117 Resp: 203836  
Ion Ratio Lower Upper  
117 100  
82 54.0 42.7 64.1  
119 32.6 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. -0.00 min  
Lab File: VD065308.D  
Acq: 25 Feb 2020 15:02

Tgt Ion:152 Resp: 91919  
Ion Ratio Lower Upper  
152 100  
115 54.5 27.6 82.8  
150 155.3 0.0 347.4

