

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012120\  
 Data File : VD064907.D  
 Acq On : 21 Jan 2020 12:45  
 Operator : VA/SY  
 Sample : L1189-05  
 Misc : 5.19G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-5-13.5-14.0

Quant Time: Jan 22 06:38:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D122419S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 24 13:19:06 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 466736   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 764971   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 723183   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 345173   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.34   | 65  | 243764   | 59.23 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 118.46% |      |
| 35) Dibromofluoromethane    | 7.92   | 113 | 243969   | 51.98 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.96% |      |
| 50) Toluene-d8              | 10.34  | 98  | 944416   | 52.54 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.08% |      |
| 62) 4-Bromofluorobenzene    | 12.64  | 95  | 300740   | 52.91 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.82% |      |

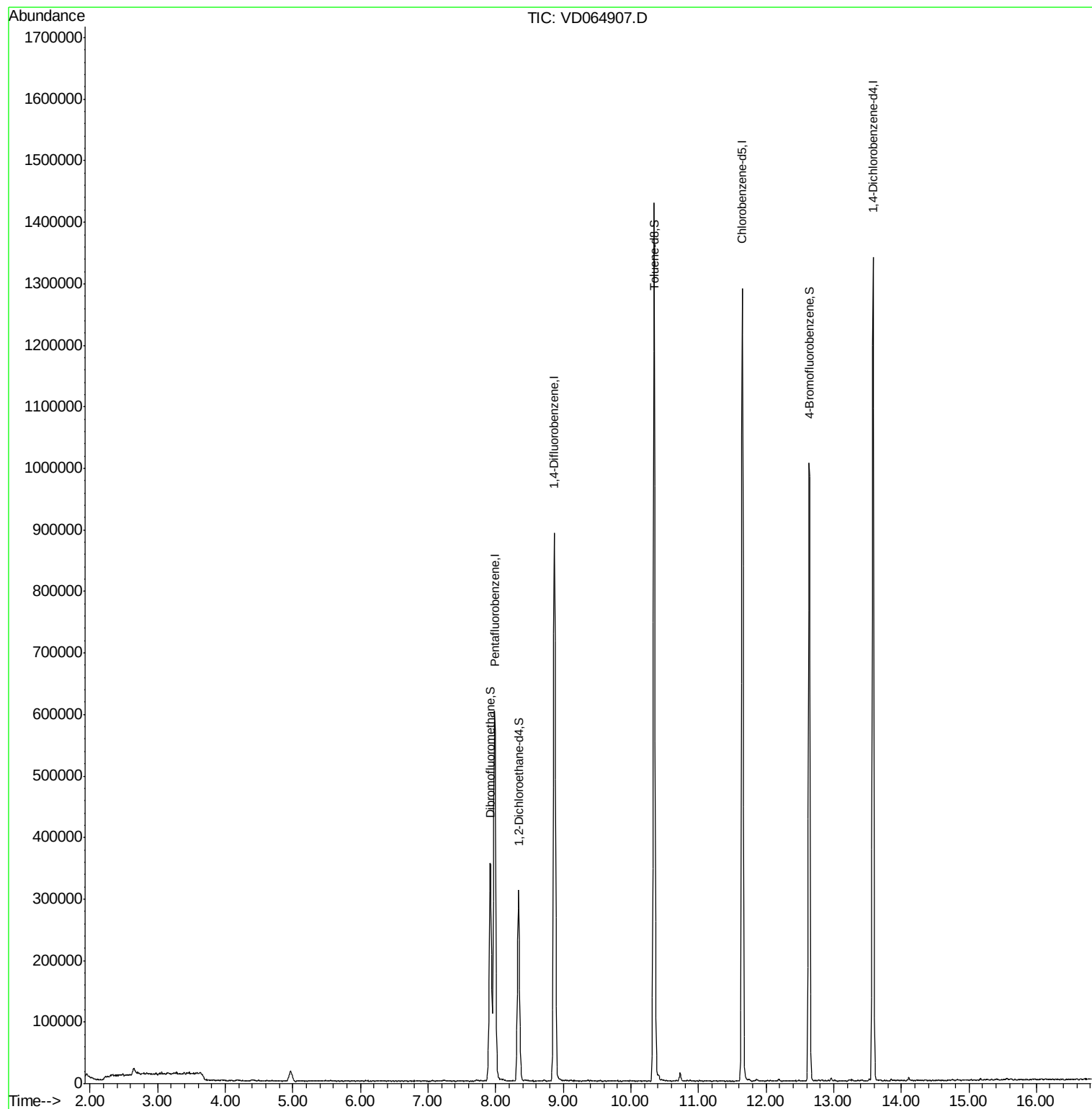
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

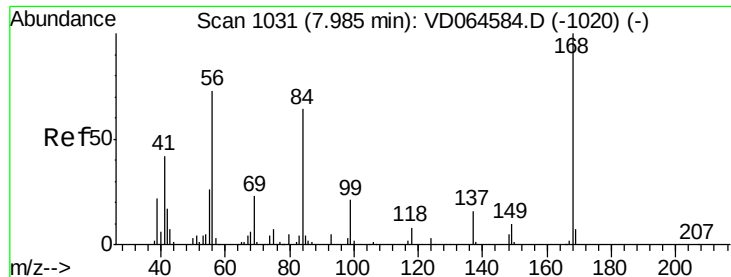
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD012120\  
Data File : VD064907.D  
Acq On : 21 Jan 2020 12:45  
Operator : VA/SY  
Sample : L1189-05  
Misc : 5.19G/5.00ml/MSVOA D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-5-13.5-14.0

Quant Time: Jan 22 06:38:53 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D122419S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 24 13:19:06 2019  
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: VD064907.D

Acq: 21 Jan 2020 12:45

Instrument :

MSVOA\_D

ClientSampleId :

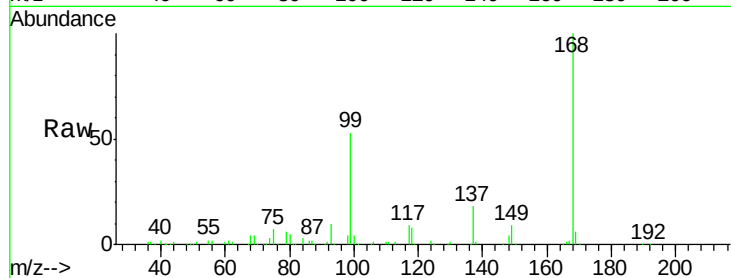
SB-5-13.5-14.0

Tot Ion:168 Resp: 466736

Ion Ratio Lower Upper

168 100

99 53.4 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

100000

50000

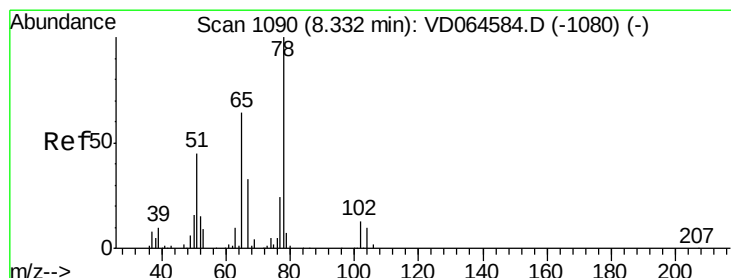
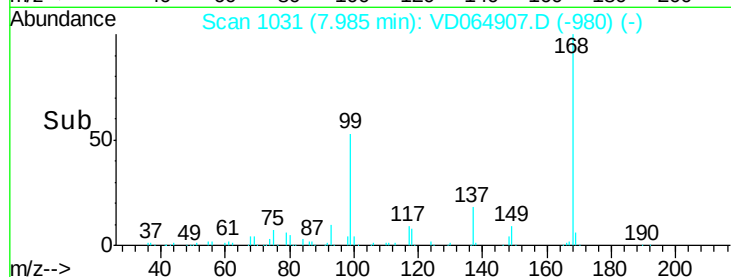
0

Time-->

7.90

8.00

8.10



#33

1,2-Dichloroethane-d4

Concen: 59.229 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064907.D

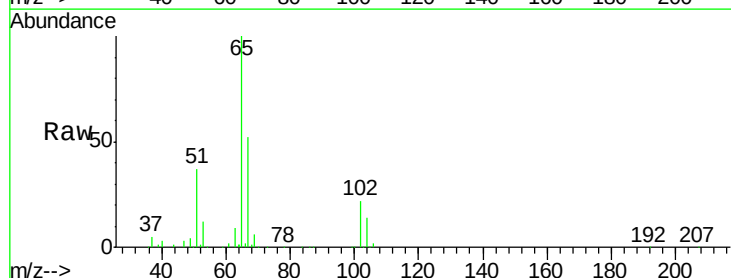
Acq: 21 Jan 2020 12:45

Tgt Ion: 65 Resp: 243764

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

120000

100000

80000

60000

40000

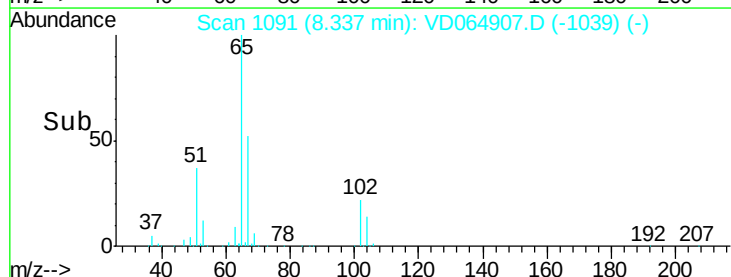
20000

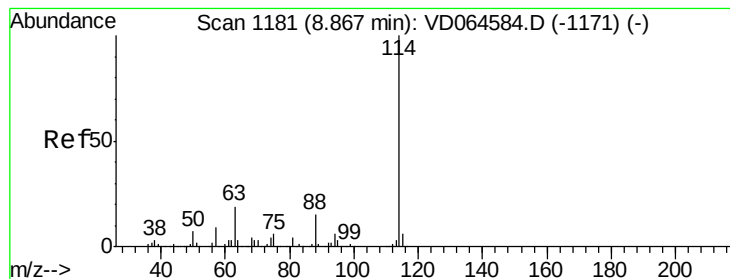
0

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: VD064907.D

Acq: 21 Jan 2020 12:45

Instrument :

MSVOA\_D

ClientSampleId :

SB-5-13.5-14.0

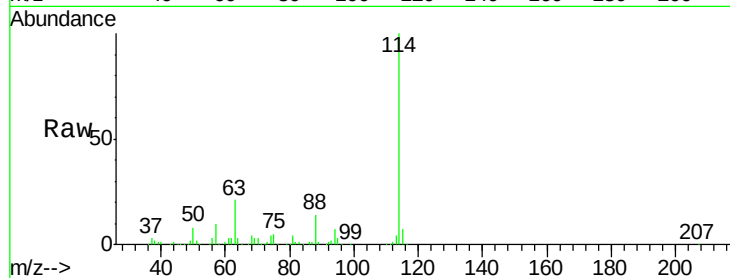
Tot Ion:114 Resp: 764971

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.0

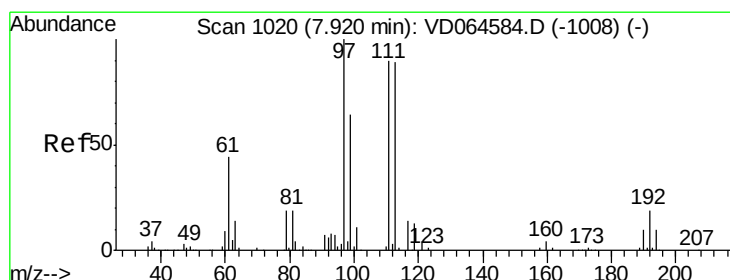
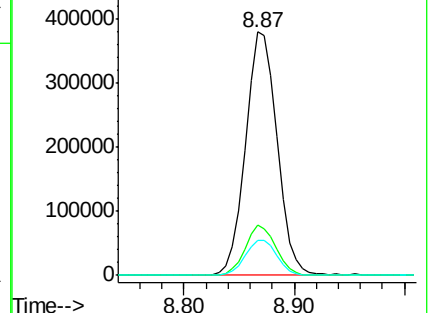
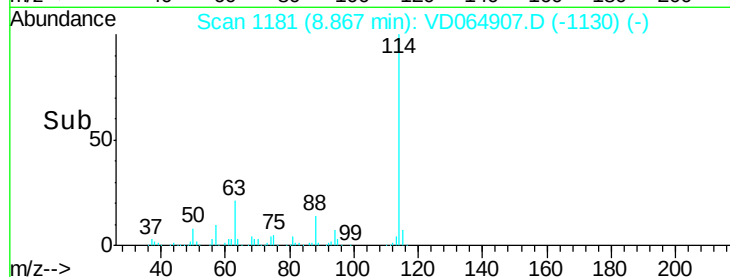
88 14.2 0.0 29.2



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



#35

Dibromofluoromethane

Concen: 51.983 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064907.D

Acq: 21 Jan 2020 12:45

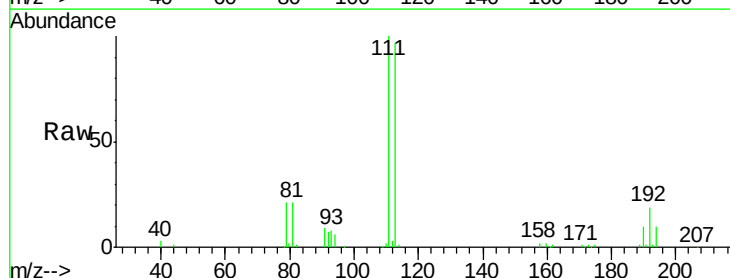
Tgt Ion:113 Resp: 243969

Ion Ratio Lower Upper

113 100

111 103.6 80.6 121.0

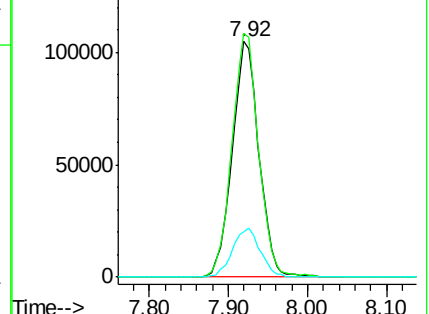
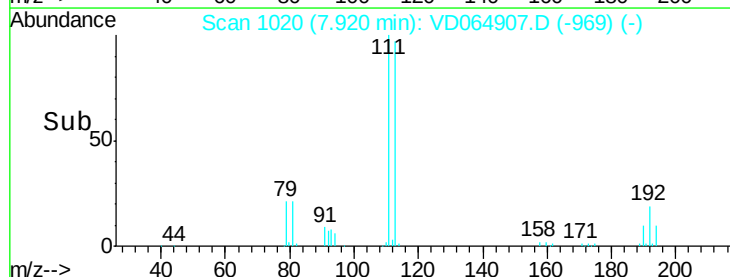
192 21.7 17.9 26.9

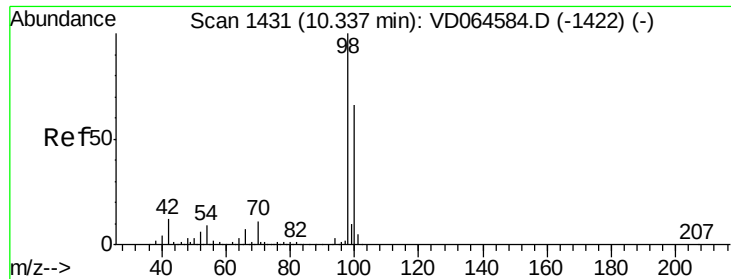


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

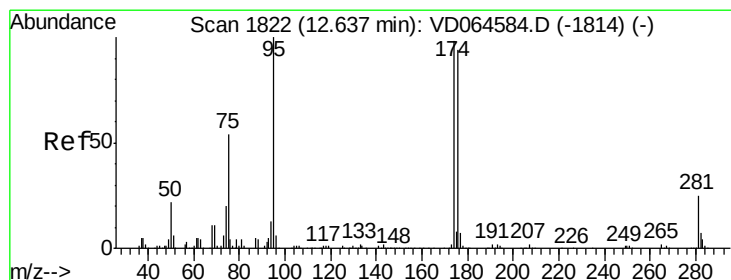
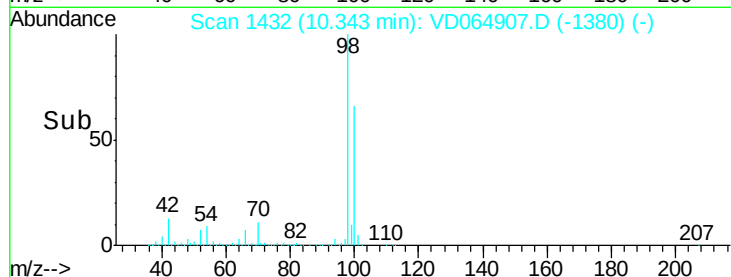
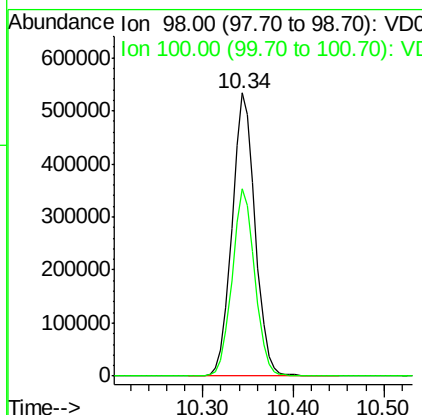
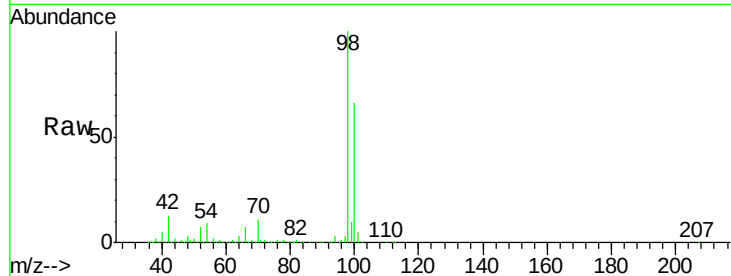




#50  
Toluene-d8  
Concen: 52.542 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.01 min  
Lab File: VD064907.D  
Acq: 21 Jan 2020 12:45

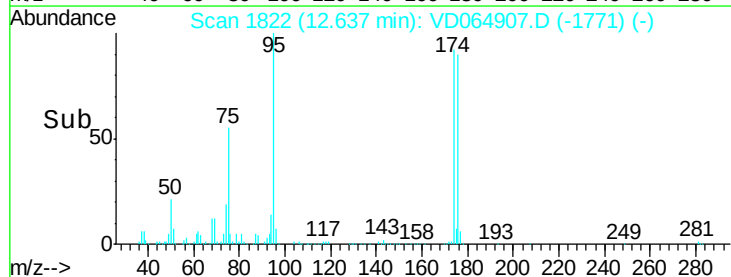
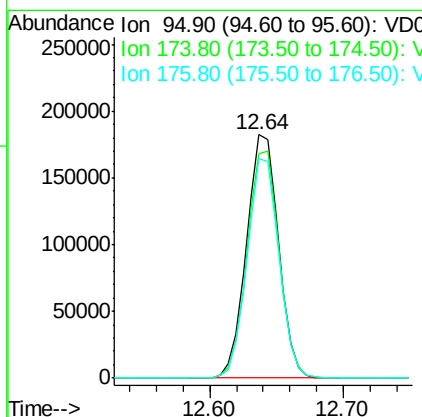
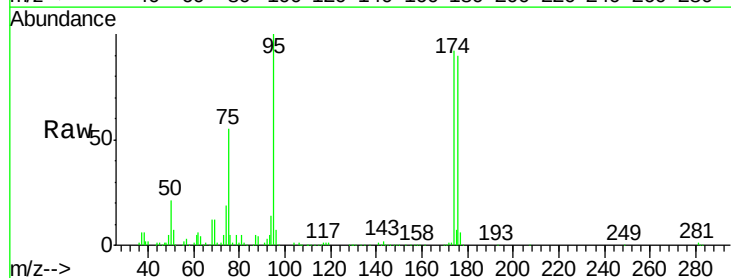
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-5-13.5-14.0

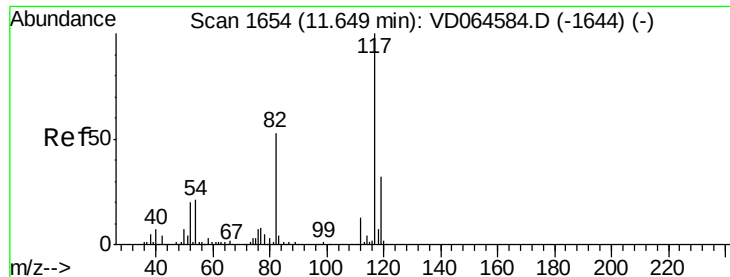
Tot Ion: 98 Resp: 944416  
Ion Ratio Lower Upper  
98 100  
100 65.1 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 52.912 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. -0.00 min  
Lab File: VD064907.D  
Acq: 21 Jan 2020 12:45

Tgt Ion: 95 Resp: 300740  
Ion Ratio Lower Upper  
95 100  
174 93.7 0.0 193.2  
176 89.5 0.0 184.2

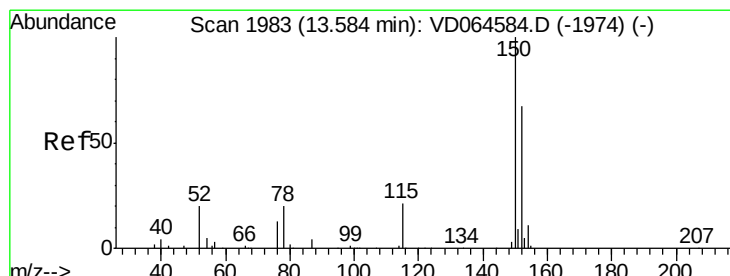
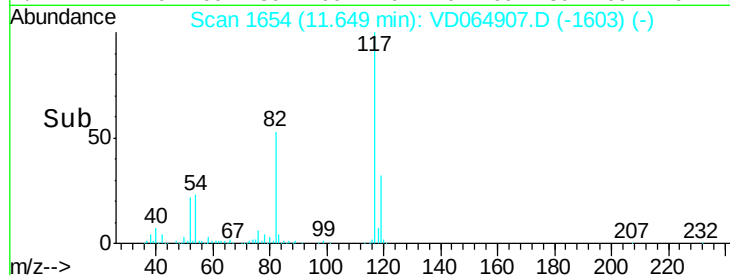
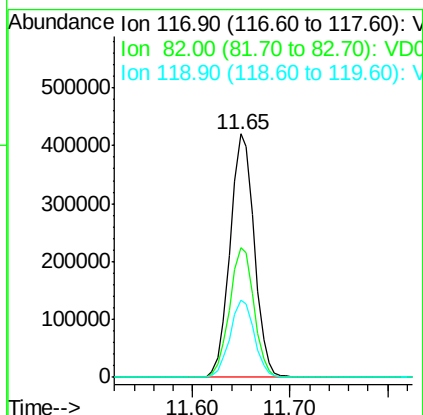
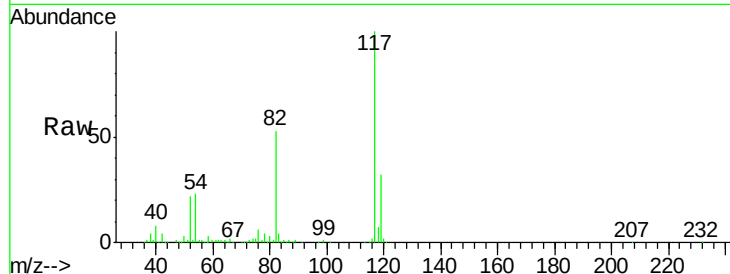




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD064907.D  
Acq: 21 Jan 2020 12:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-5-13.5-14.0

Tot Ion:117 Resp: 723183  
Ion Ratio Lower Upper  
117 100  
82 53.2 42.2 63.4  
119 31.6 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. -0.00 min  
Lab File: VD064907.D  
Acq: 21 Jan 2020 12:45

Tgt Ion:152 Resp: 345173  
Ion Ratio Lower Upper  
152 100  
115 55.7 27.8 83.4  
150 157.1 0.0 351.4

