

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\  
 Data File : VD065137.D  
 Acq On : 10 Feb 2020 17:14  
 Operator : VA/SY  
 Sample : L1403-14RE  
 Misc : 7.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-14-4.5-5RE

Quant Time: Feb 11 08:33:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D020520S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 05 15:53:00 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 439964   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 734547   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 789197   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 402632   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.34  | 65   | 230036   | 61.52 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 123.04% |          |
| 35) Dibromofluoromethane    | 7.92  | 113  | 236036   | 57.59 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 115.18% |          |
| 50) Toluene-d8              | 10.34 | 98   | 906863   | 55.59 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 111.18% |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 359178   | 69.49 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 138.98% |          |

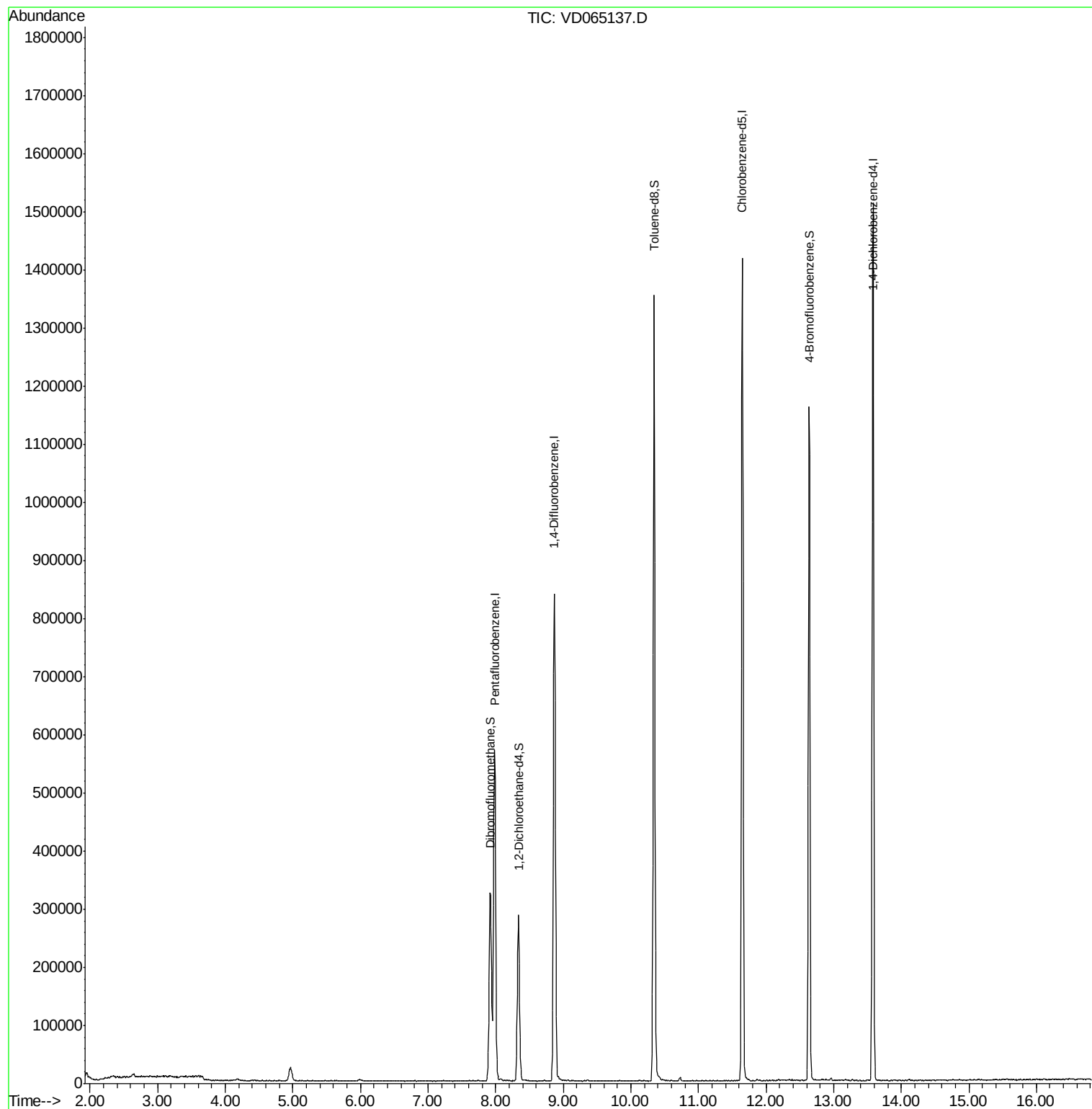
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

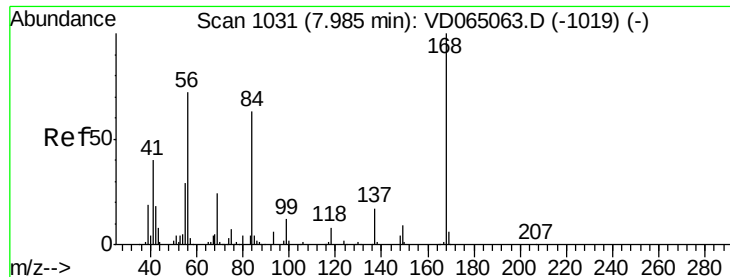
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021020\  
Data File : VD065137.D  
Acq On : 10 Feb 2020 17:14  
Operator : VA/SY  
Sample : L1403-14RE  
Misc : 7.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-14-4.5-5RE

Quant Time: Feb 11 08:33:43 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D020520S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 05 15:53:00 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: VD065137.D

Acq: 10 Feb 2020 17:14

Instrument :

MSVOA\_D

ClientSampleId :

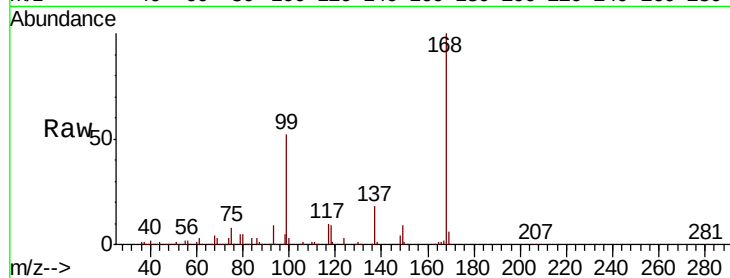
SB-14-4.5-5RE

Tot Ion:168 Resp: 439964

Ion Ratio Lower Upper

168 100

99 51.7 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

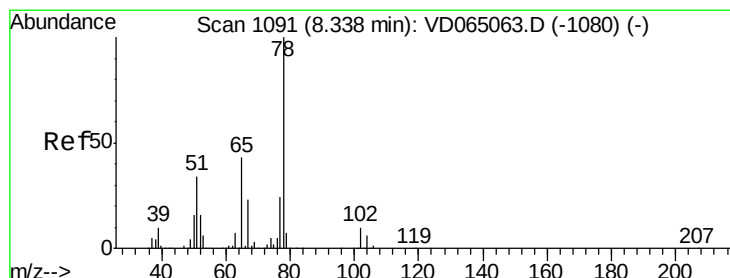
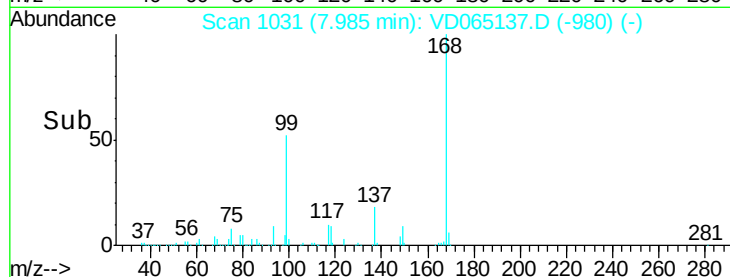
100000

50000

0

7.90 8.00 8.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 61.518 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065137.D

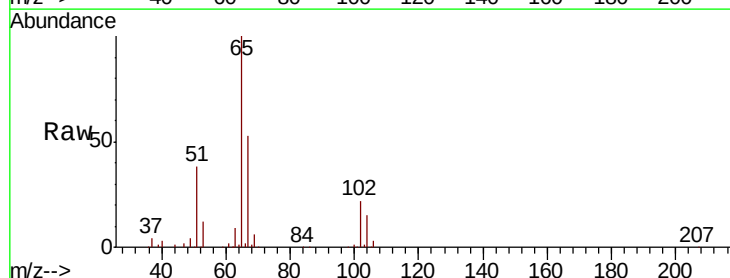
Acq: 10 Feb 2020 17:14

Tgt Ion: 65 Resp: 230036

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.8



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

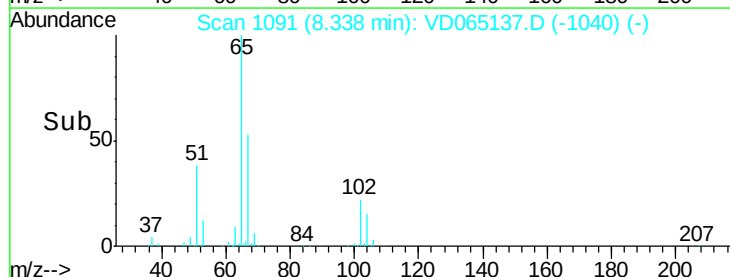
40000

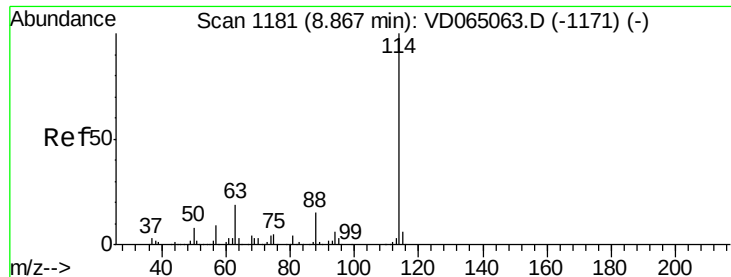
20000

0

8.20 8.30 8.40

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065137.D

Acq: 10 Feb 2020 17:14

Instrument :

MSVOA\_D

ClientSampleId :

SB-14-4.5-5RE

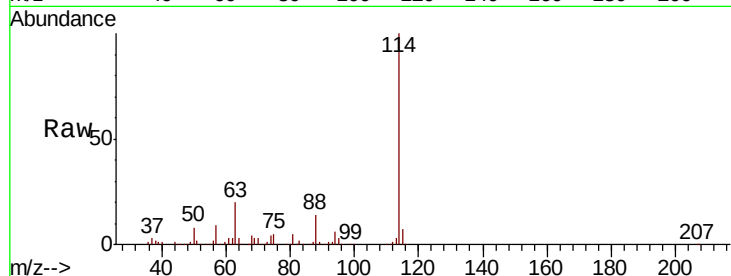
Tot Ion:114 Resp: 734547

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.8

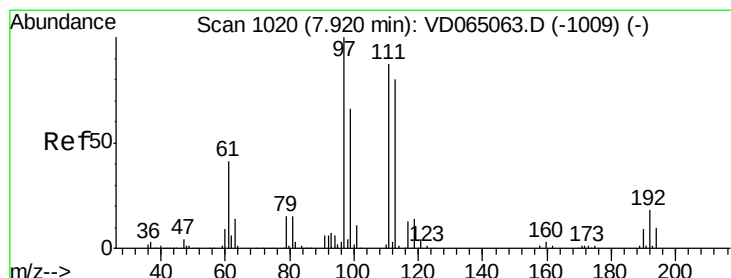
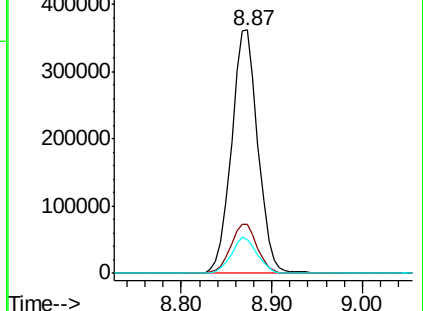
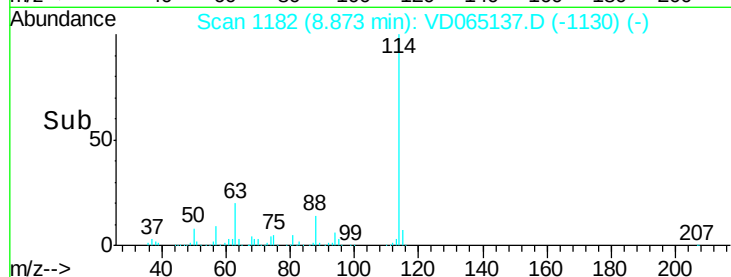
88 14.1 0.0 29.6



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: 57.593 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065137.D

Acq: 10 Feb 2020 17:14

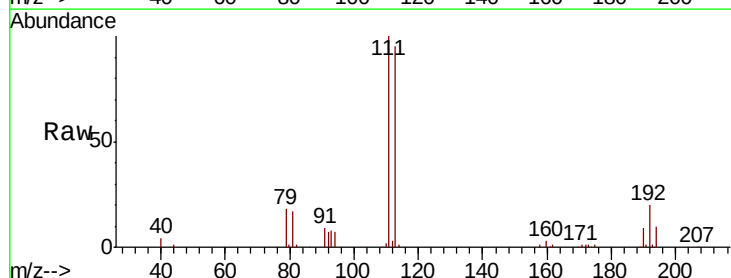
Tgt Ion:113 Resp: 236036

Ion Ratio Lower Upper

113 100

111 102.4 83.1 124.7

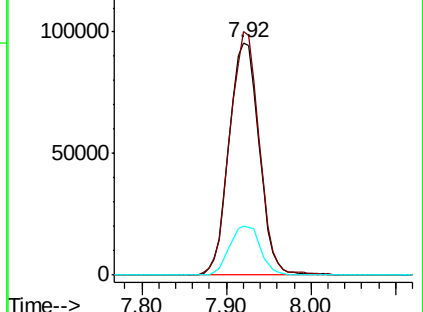
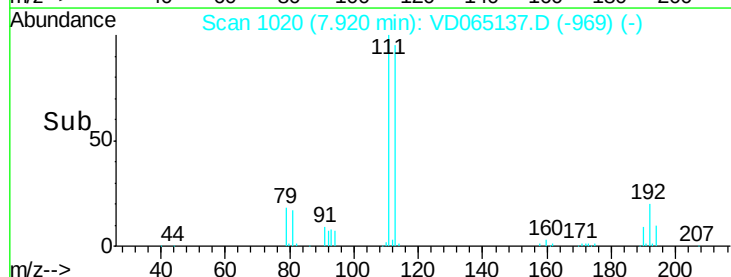
192 21.6 18.1 27.1

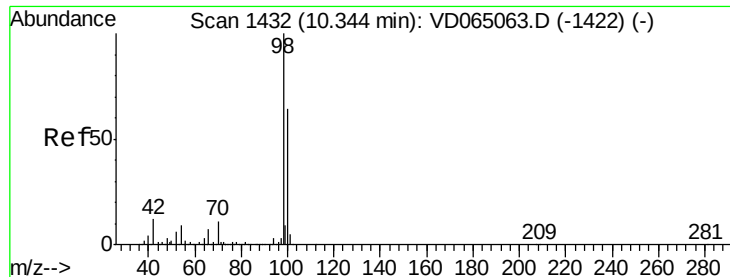


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

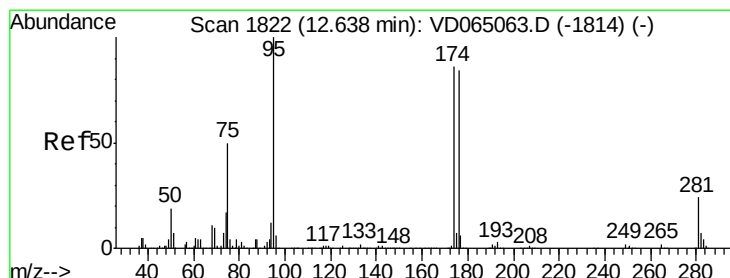
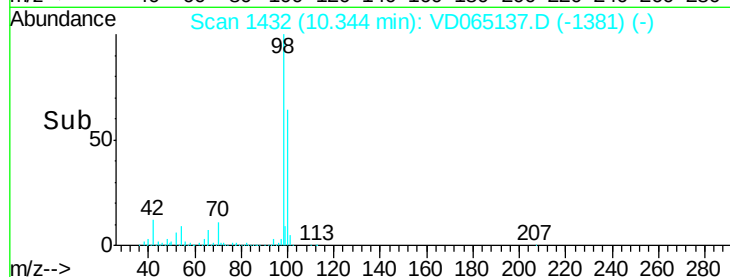
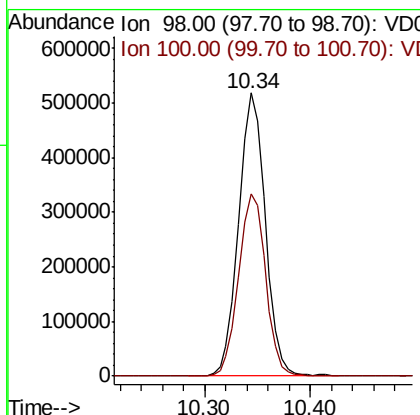
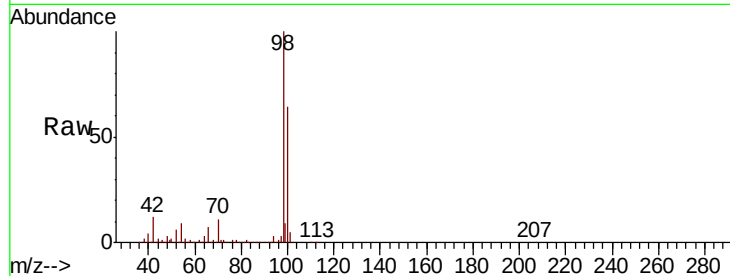




#50  
Toluene-d8  
Concen: 55.593 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: VD065137.D  
Acq: 10 Feb 2020 17:14

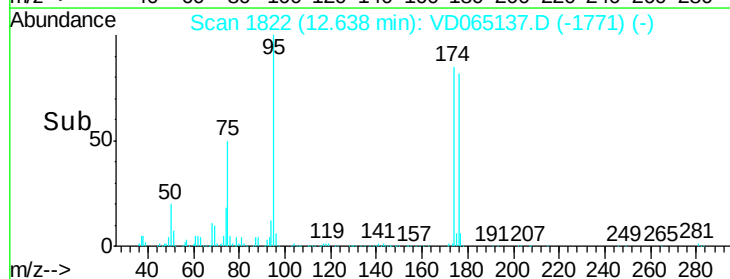
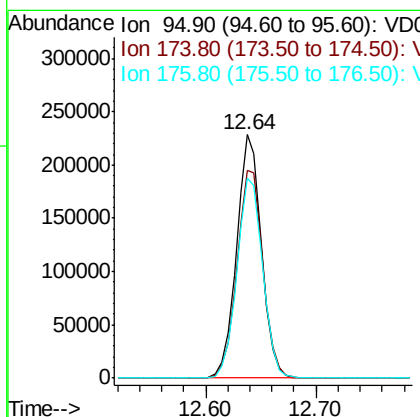
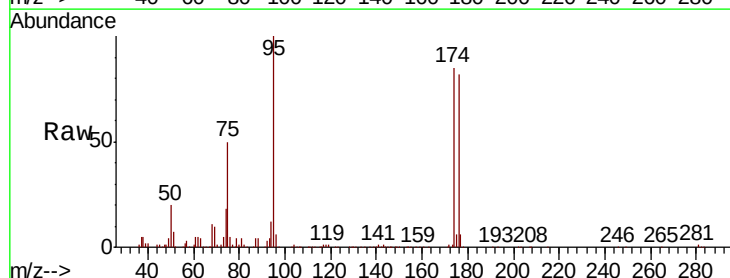
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-14-4.5-5RE

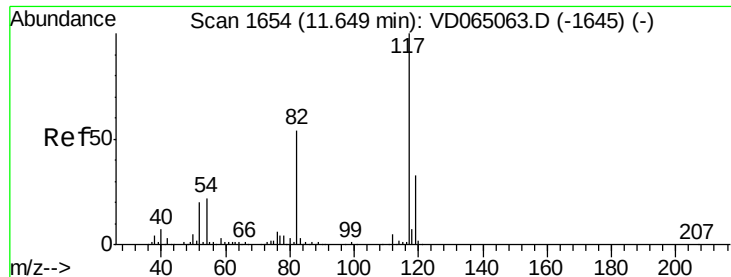
Tot Ion: 98 Resp: 906863  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 69.489 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. -0.00 min  
Lab File: VD065137.D  
Acq: 10 Feb 2020 17:14

Tgt Ion: 95 Resp: 359178  
Ion Ratio Lower Upper  
95 100  
174 89.5 0.0 180.0  
176 85.5 0.0 173.2

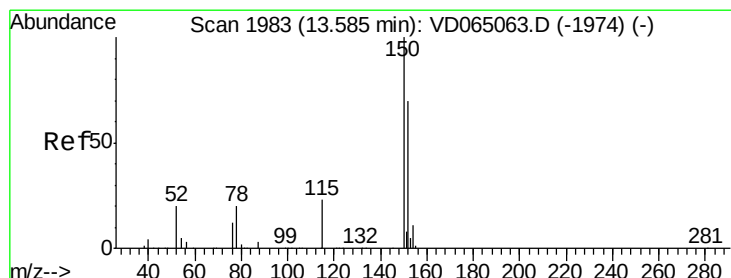
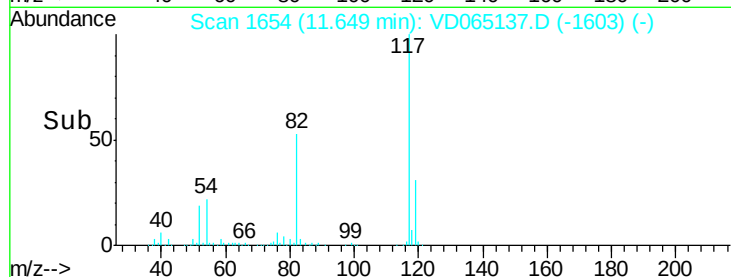
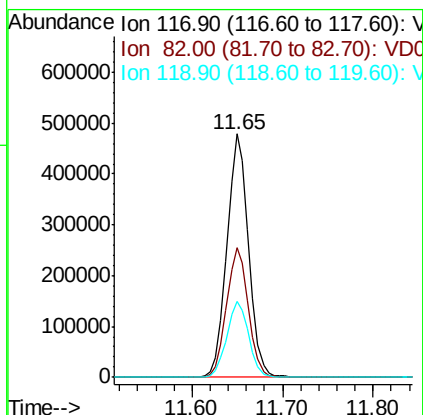
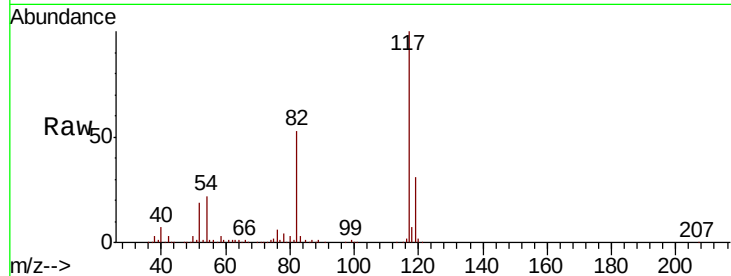




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD065137.D  
Acq: 10 Feb 2020 17:14

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-14-4.5-5RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.2  | 43.1  | 64.7  |
| 119     | 31.2  | 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: VD065137.D  
Acq: 10 Feb 2020 17:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.6  | 27.5  | 82.4  |
| 150     | 158.1 | 0.0   | 343.2 |

