

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\  
 Data File : VD064885.D  
 Acq On : 20 Jan 2020 12:43  
 Operator : VA/SY  
 Sample : I.BLK  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0119

Quant Time: Jan 21 04:42:23 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

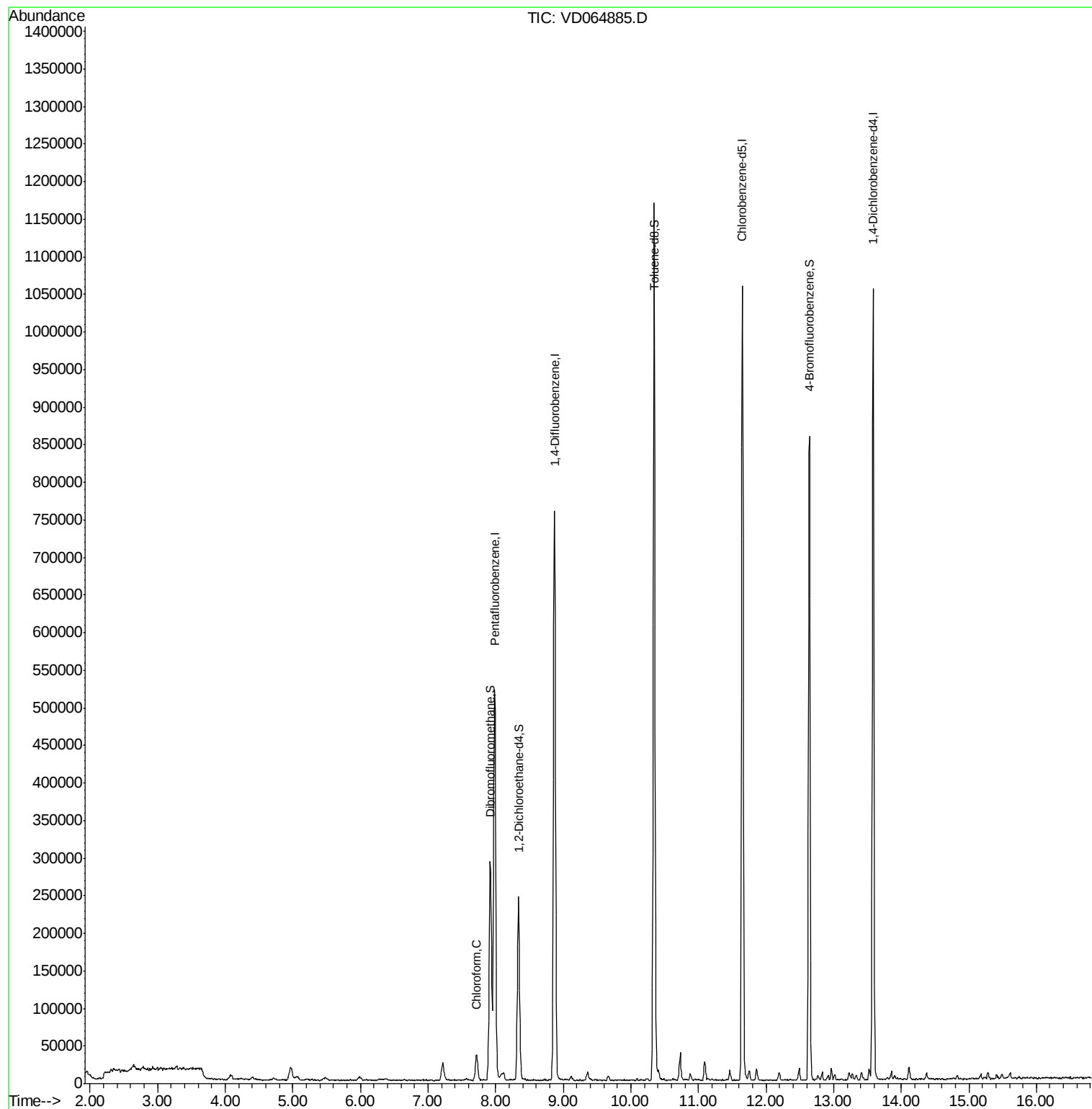
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 399646   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 650669   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 594424   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 280998   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.34  | 65   | 194108   | 55.08 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.16% |           |
| 35) Dibromofluoromethane    | 7.92  | 113  | 202881   | 50.82 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.64% |           |
| 50) Toluene-d8              | 10.34 | 98   | 784008   | 51.28 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.56% |           |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 248477   | 51.40 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.80% |           |
| Target Compounds            |       |      |          |       |         |           |
| 30) Chloroform              | 7.72  | 83   | 32124    | 4.665 | ug/l    | Qvalue 98 |

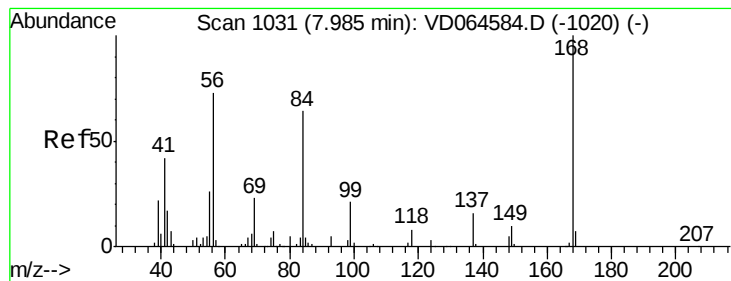
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD012020\  
Data File : VD064885.D  
Acq On : 20 Jan 2020 12:43  
Operator : VA/SY  
Sample : I.BLK  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0119

Quant Time: Jan 21 04:42:23 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: VD064885.D

Acq: 20 Jan 2020 12:43

Instrument :

MSVOA\_D

ClientSampleId :

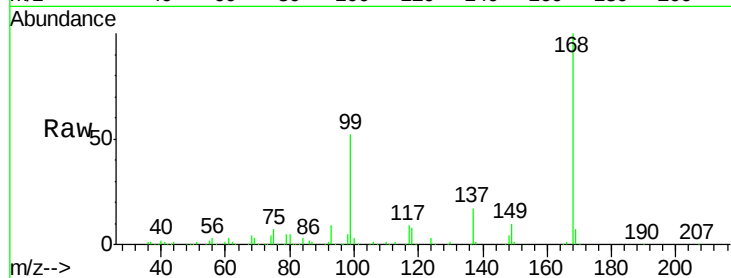
VD0119

Tot Ion:168 Resp: 399646

Ion Ratio Lower Upper

168 100

99 52.1 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

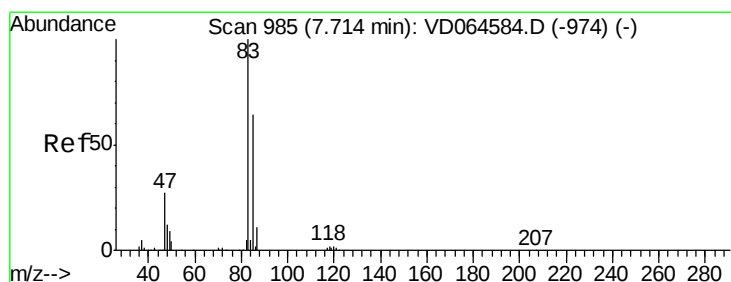
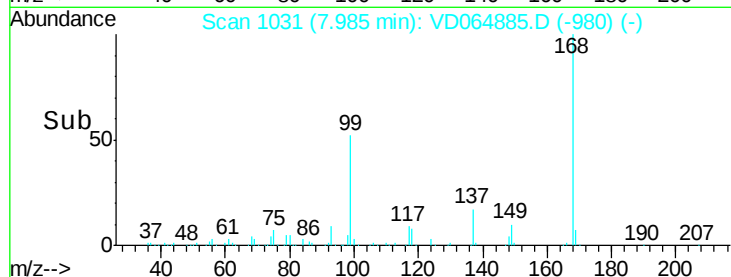
100000

50000

0

7.90 8.00 8.10

Time-->



#30

Chloroform

Concen: 4.665 ug/l

RT: 7.72 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD064885.D

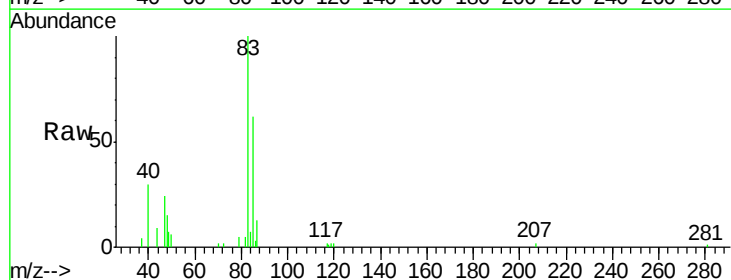
Acq: 20 Jan 2020 12:43

Tgt Ion: 83 Resp: 32124

Ion Ratio Lower Upper

83 100

85 62.2 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

7.72

15000

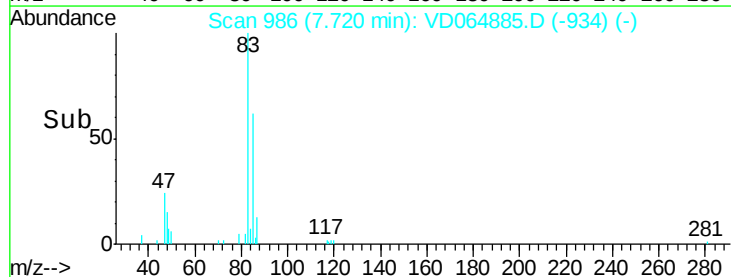
10000

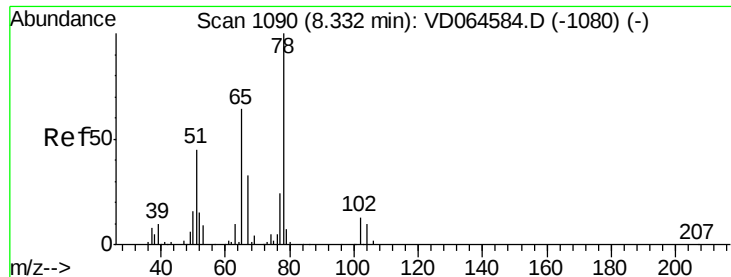
5000

0

7.60 7.65 7.70 7.75 7.80

Time-->

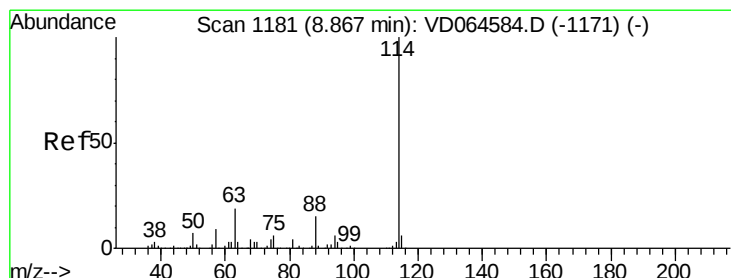
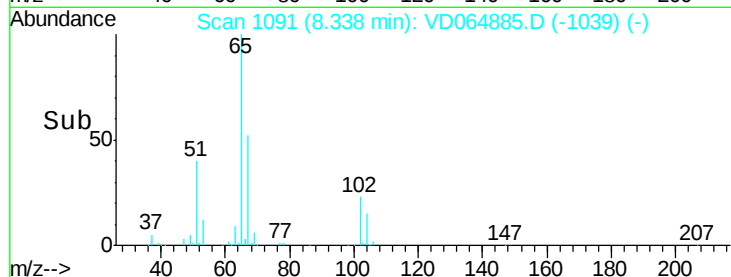
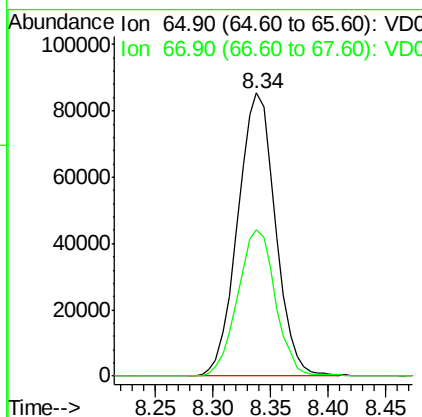
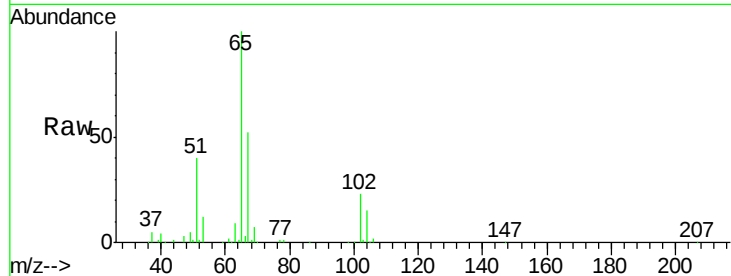




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.081 ug/l  
 RT: 8.34 min Scan# 1091  
 Delta R.T. 0.01 min  
 Lab File: VD064885.D  
 Acq: 20 Jan 2020 12:43

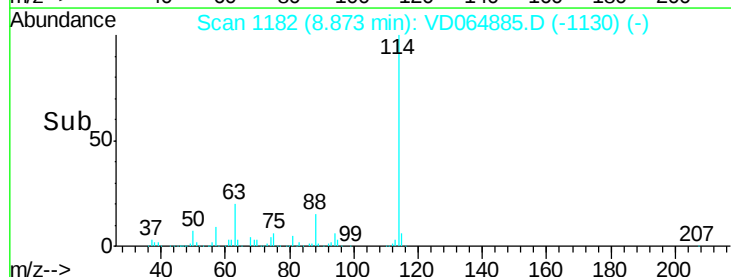
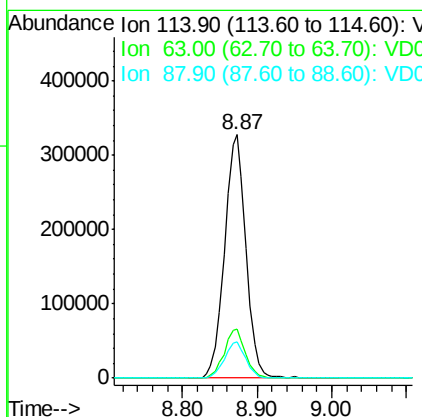
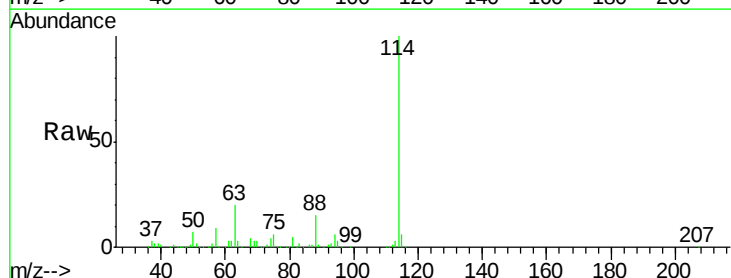
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0119

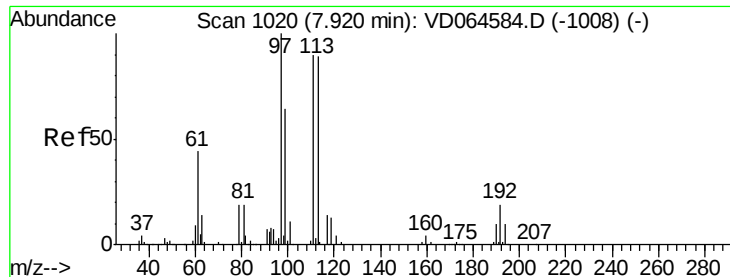
Tot Ion: 65 Resp: 194108  
 Ion Ratio Lower Upper  
 65 100  
 67 51.7 0.0 106.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1182  
 Delta R.T. 0.01 min  
 Lab File: VD064885.D  
 Acq: 20 Jan 2020 12:43

Tgt Ion: 114 Resp: 650669  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 38.0  
 88 14.6 0.0 29.2

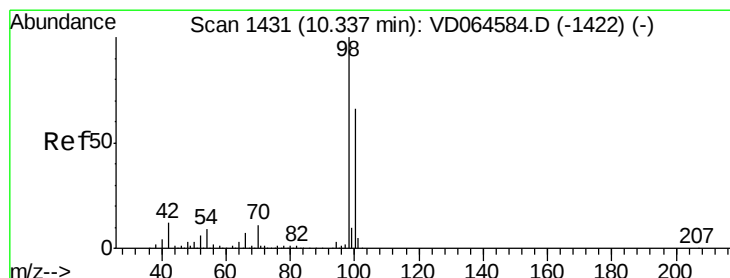
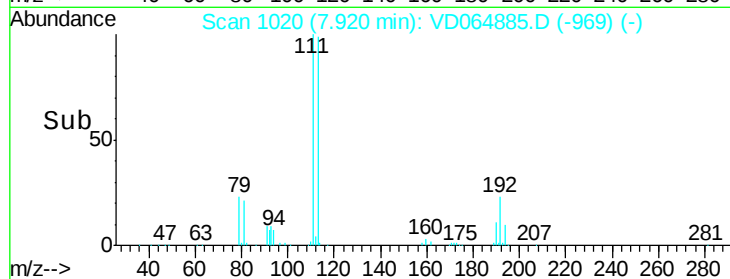
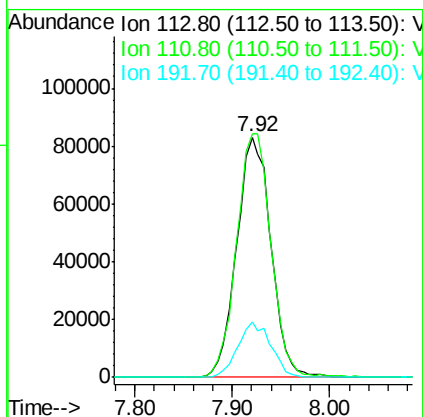
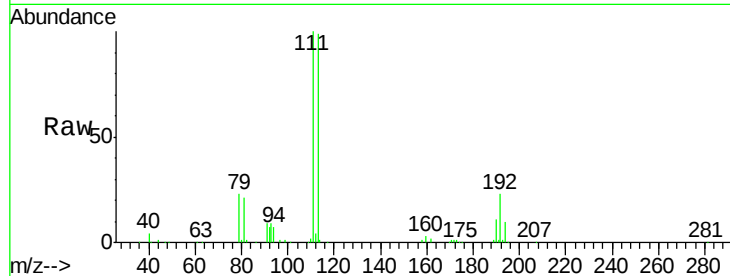




#35  
 Dibromofluoromethane  
 Concen: 50.822 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.00 min  
 Lab File: VD064885.D  
 Acq: 20 Jan 2020 12:43

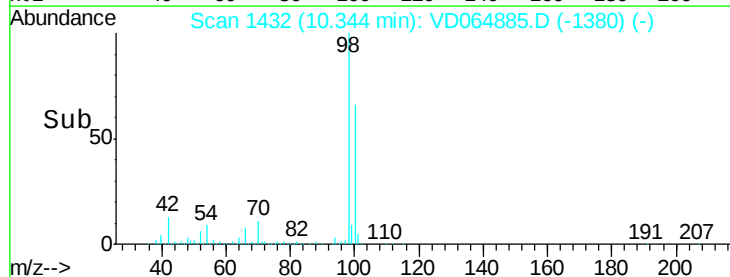
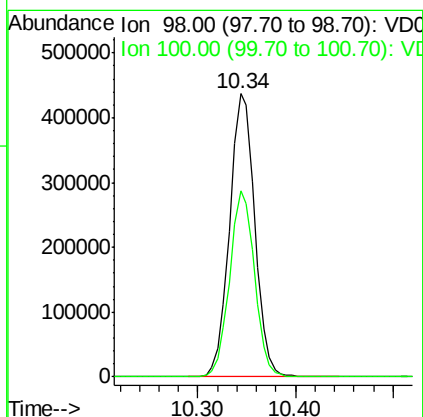
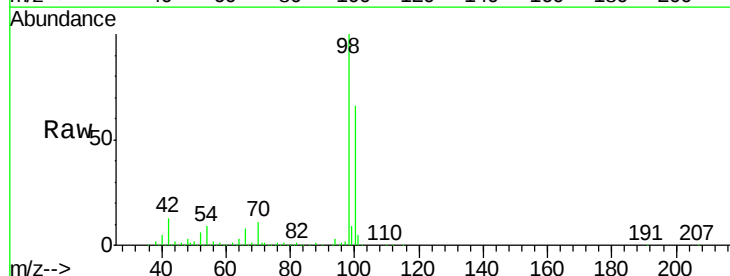
Instrument :  
 MSVOA\_D  
 ClientSampled :  
 VD0119

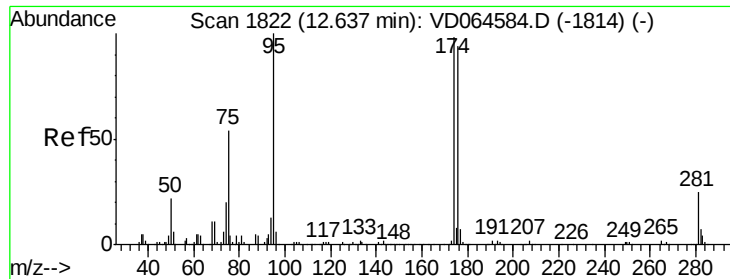
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.0 | 80.6  | 121.0 |
| 192     | 22.1  | 17.9  | 26.9  |



#50  
 Toluene-d8  
 Concen: 51.280 ug/l  
 RT: 10.34 min Scan# 1432  
 Delta R.T. 0.01 min  
 Lab File: VD064885.D  
 Acq: 20 Jan 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.7  | 51.7  | 77.5  |

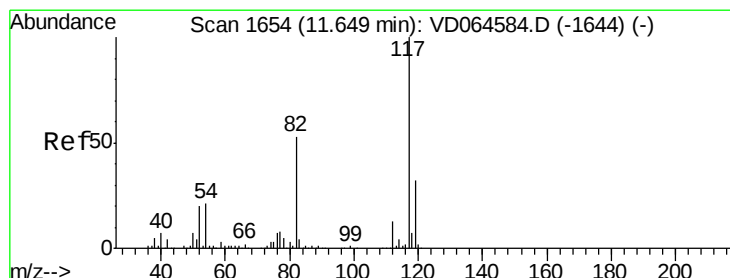
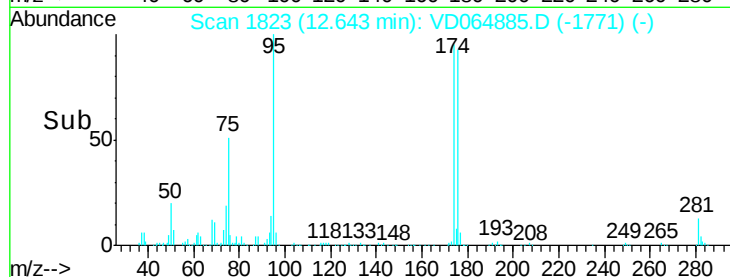
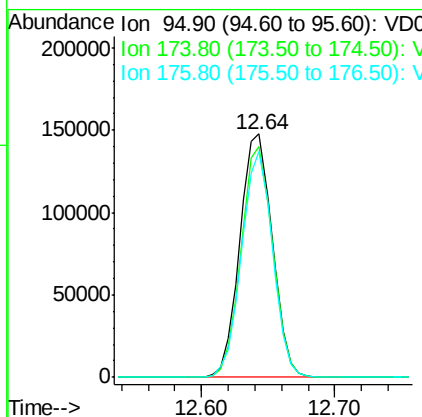
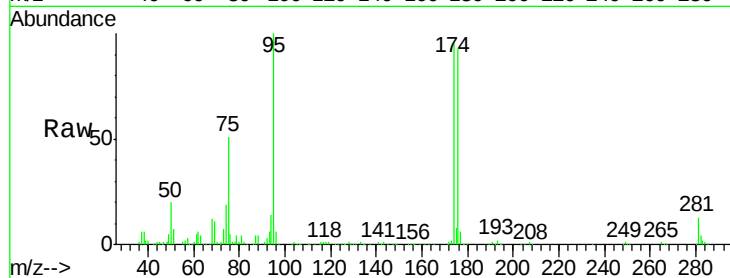




#62  
4-Bromofluorobenzene  
Concen: 51.397 ug/l  
RT: 12.64 min Scan# 1823  
Delta R.T. 0.01 min  
Lab File: VD064885.D  
Acq: 20 Jan 2020 12:43

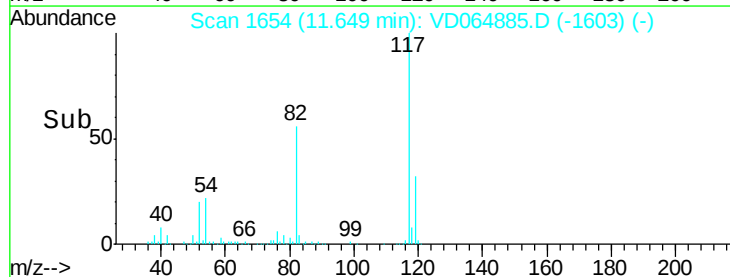
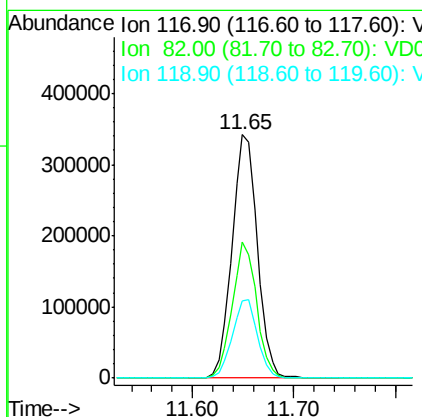
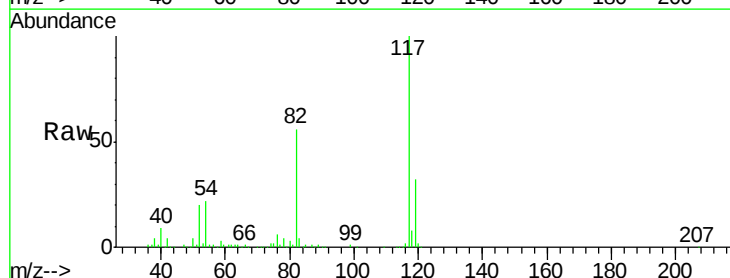
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0119

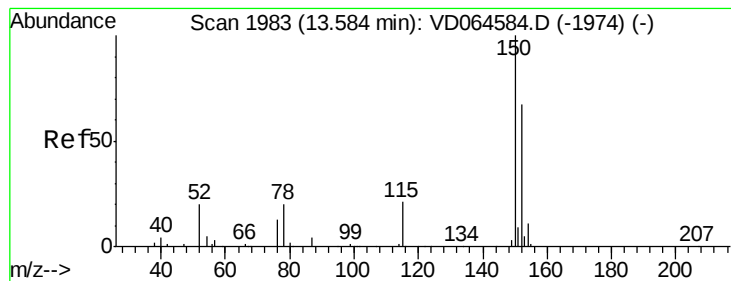
Tot Ion: 95 Resp: 248477  
Ion Ratio Lower Upper  
95 100  
174 92.4 0.0 193.2  
176 88.6 0.0 184.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD064885.D  
Acq: 20 Jan 2020 12:43

Tgt Ion: 117 Resp: 594424  
Ion Ratio Lower Upper  
117 100  
82 55.9 42.2 63.4  
119 31.8 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: VD064885.D

Acq: 20 Jan 2020 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD0119

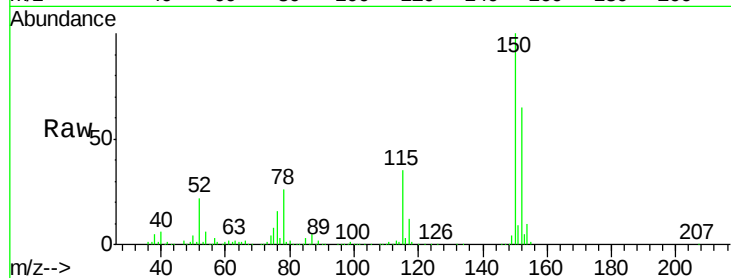
Tot Ion:152 Resp: 280998

Ion Ratio Lower Upper

152 100

115 54.0 27.8 83.4

150 155.5 0.0 351.4



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

