

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121719\  
 Data File : VD064550.D  
 Acq On : 17 Dec 2019 17:34  
 Operator : VA/SY  
 Sample : K6357-07  
 Misc : 5.13G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PF-B

Quant Time: Dec 18 03:26:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D112719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 29 07:18:03 2019  
 Response via : Initial Calibration

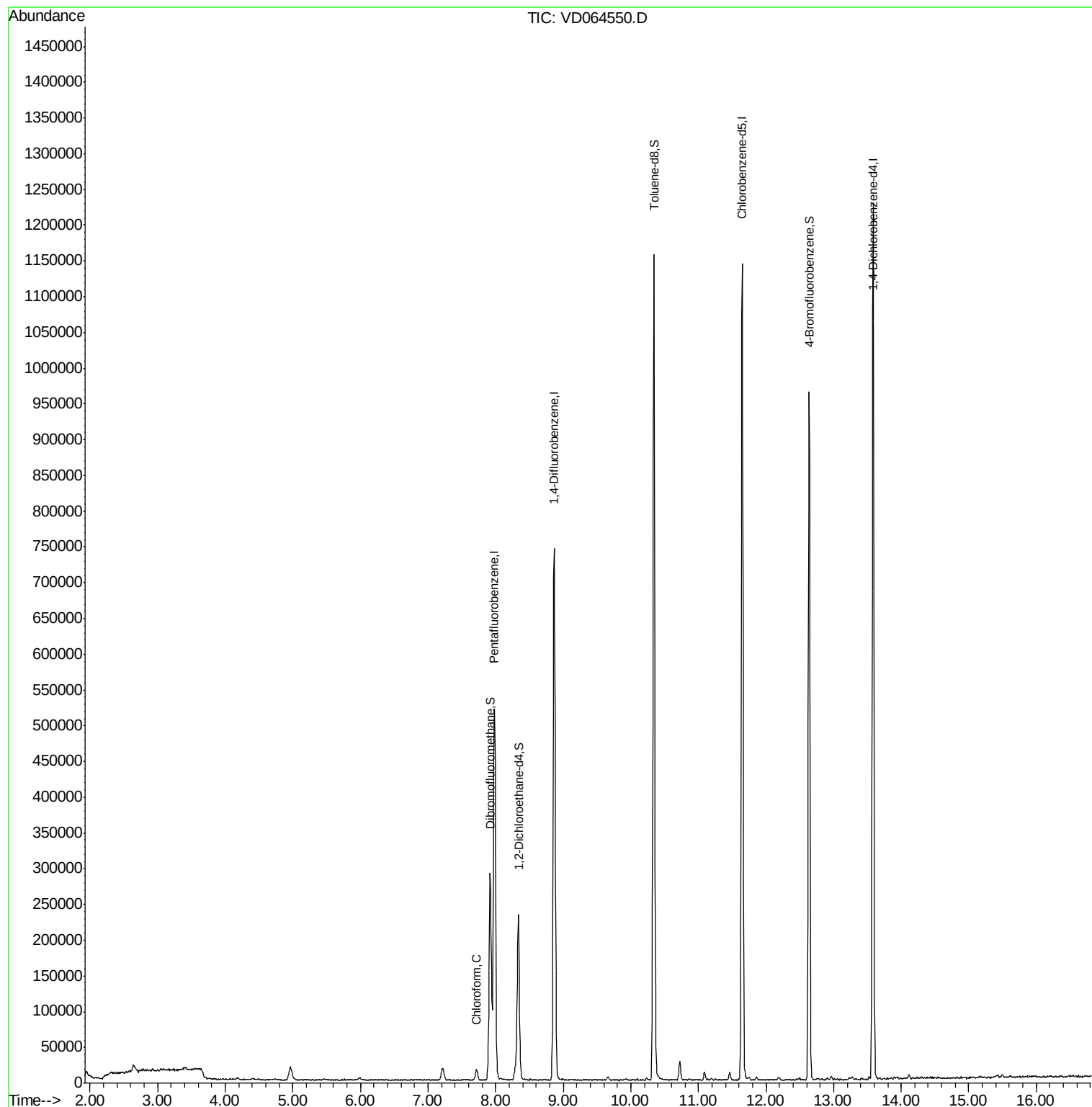
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 422042   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 660310   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 658173   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 331897   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.34  | 65   | 180400   | 47.22 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.44%  |           |
| 35) Dibromofluoromethane    | 7.92  | 113  | 198739   | 47.77 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.54%  |           |
| 50) Toluene-d8              | 10.34 | 98   | 788578   | 50.32 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.64% |           |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 285002   | 56.59 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 113.18% |           |
| Target Compounds            |       |      |          |       |         |           |
| 30) Chloroform              | 7.71  | 83   | 13796    | 1.890 | ug/l    | Qvalue 96 |

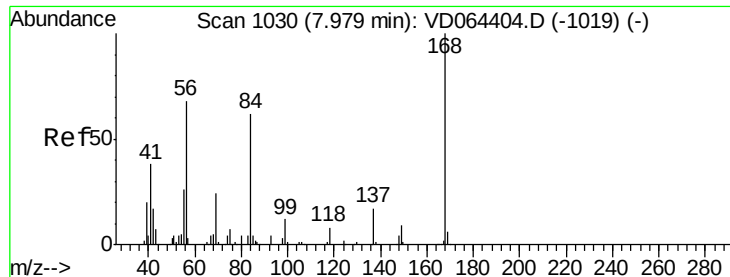
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 29 07:18:03 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064550.D

Acq: 17 Dec 2019 17:34

Instrument :

MSVOA\_D

ClientSampleId :

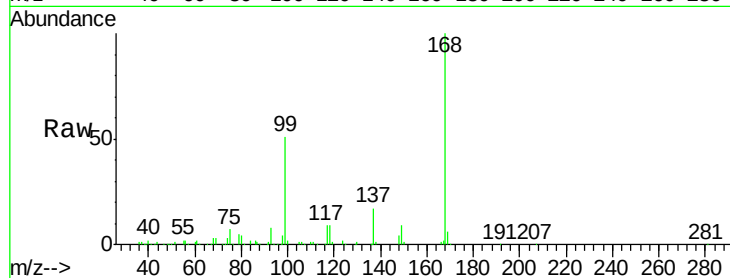
PF-B

Tot Ion:168 Resp: 422042

Ion Ratio Lower Upper

168 100

99 50.7 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

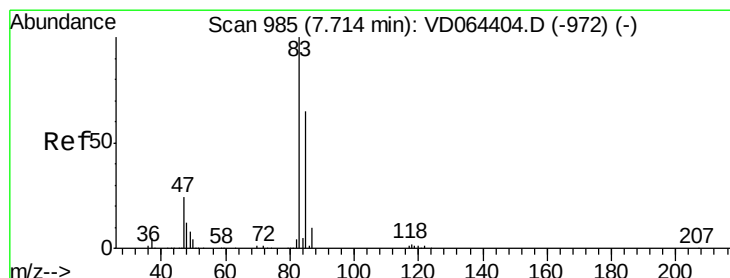
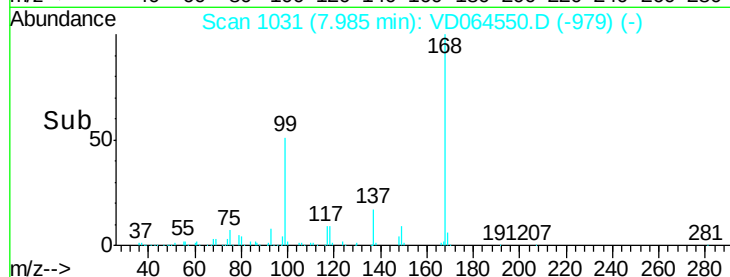
150000

100000

50000

0

Time-->



#30

Chloroform

Concen: 1.890 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064550.D

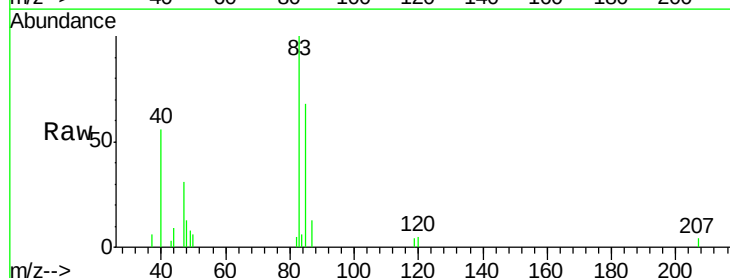
Acq: 17 Dec 2019 17:34

Tgt Ion: 83 Resp: 13796

Ion Ratio Lower Upper

83 100

85 67.5 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

7.71

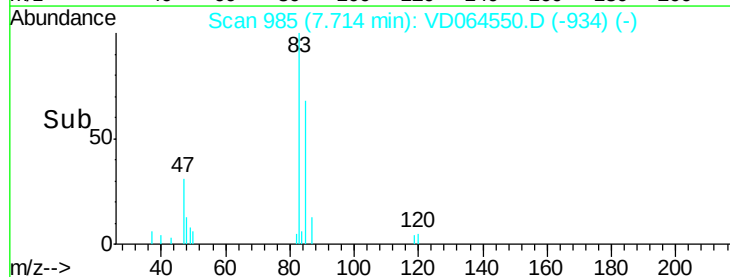
6000

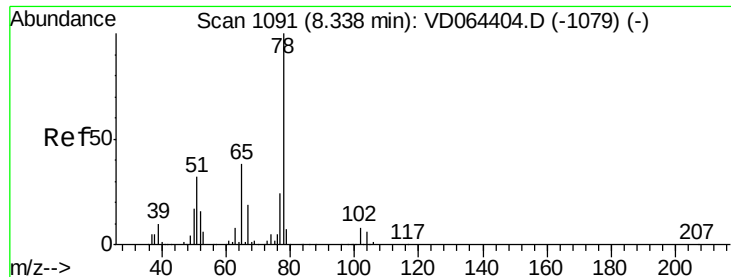
4000

2000

0

Time-->

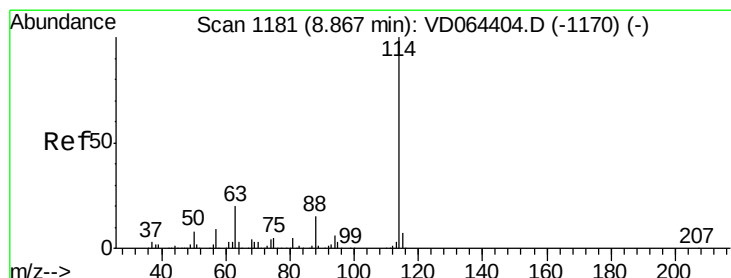
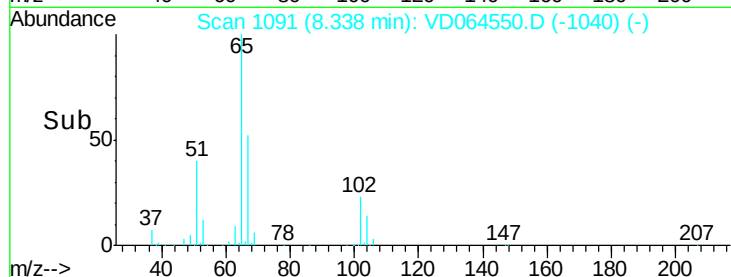
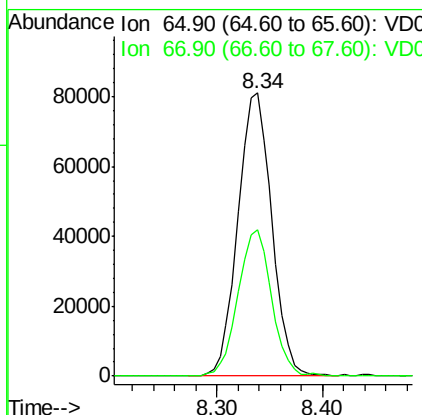
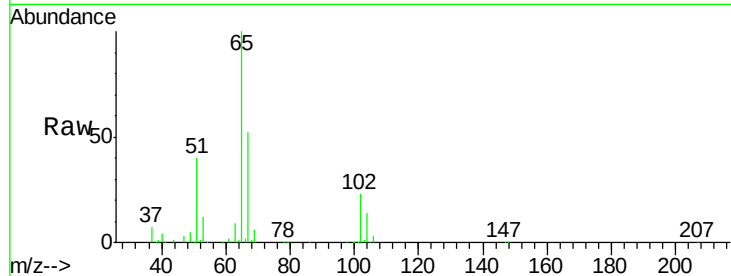




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.224 ug/l  
 RT: 8.34 min Scan# 1091  
 Delta R.T. 0.00 min  
 Lab File: VD064550.D  
 Acq: 17 Dec 2019 17:34

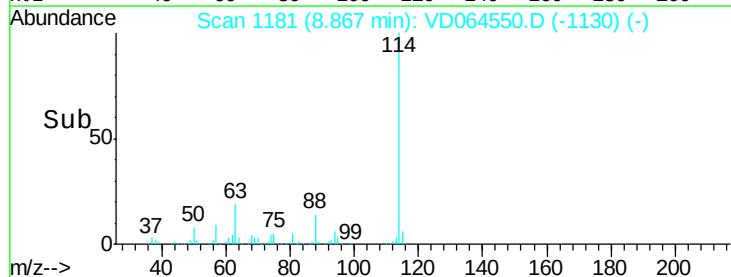
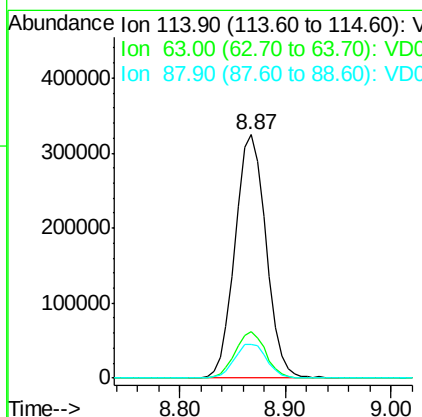
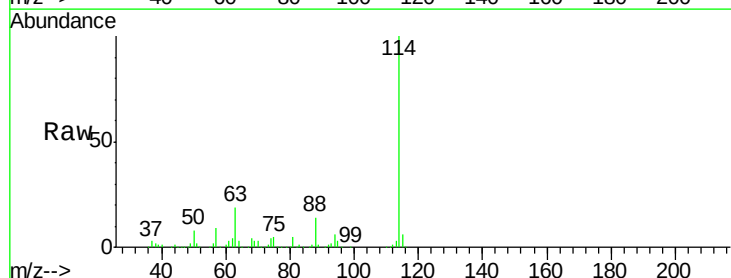
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PF-B

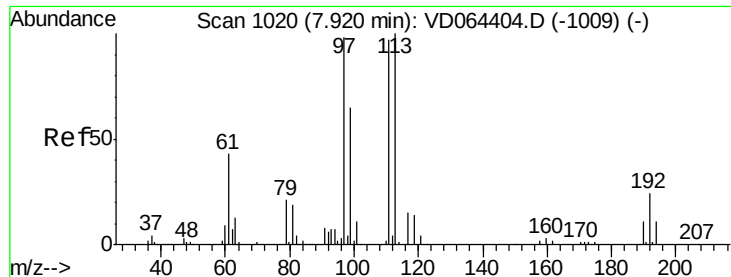
Tot Ion: 65 Resp: 180400  
 Ion Ratio Lower Upper  
 65 100  
 67 51.1 0.0 102.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD064550.D  
 Acq: 17 Dec 2019 17:34

Tgt Ion: 114 Resp: 660310  
 Ion Ratio Lower Upper  
 114 100  
 63 19.3 0.0 40.0  
 88 14.1 0.0 29.2

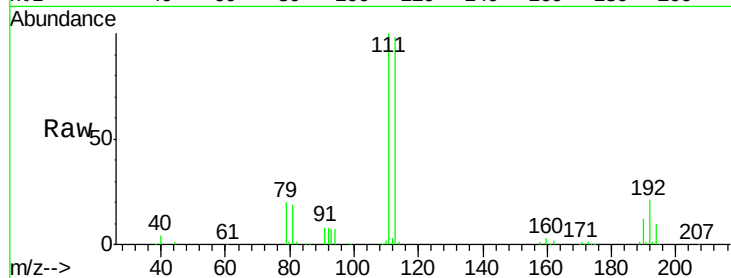




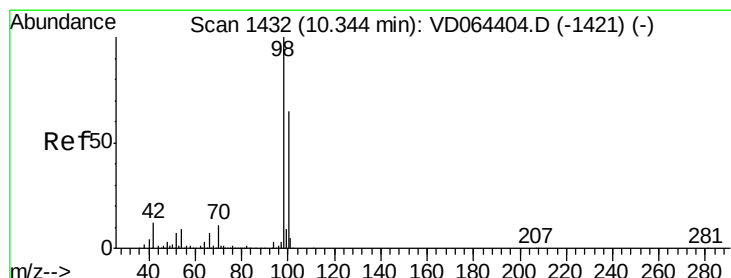
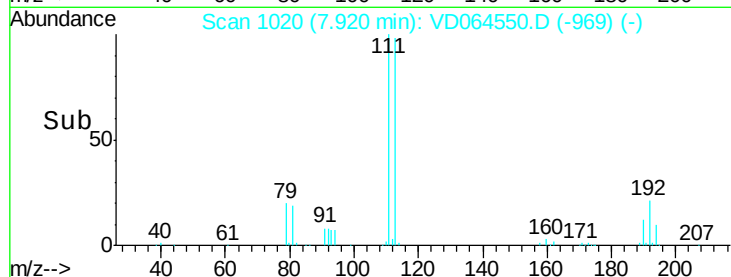
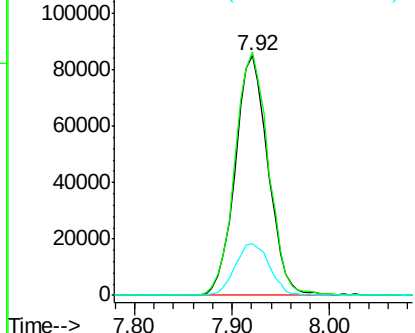
#35  
 Dibromofluoromethane  
 Concen: 47.770 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.00 min  
 Lab File: VD064550.D  
 Acq: 17 Dec 2019 17:34

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PF-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.0 | 79.4  | 119.2 |
| 192     | 22.9  | 18.6  | 28.0  |

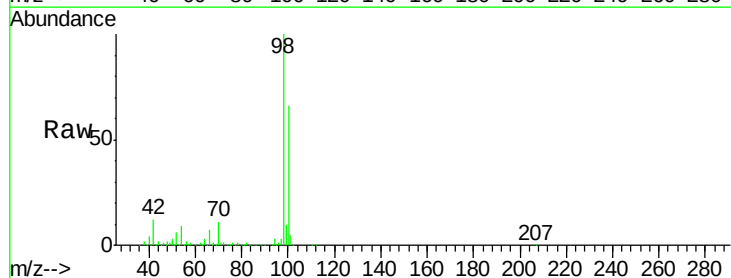


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

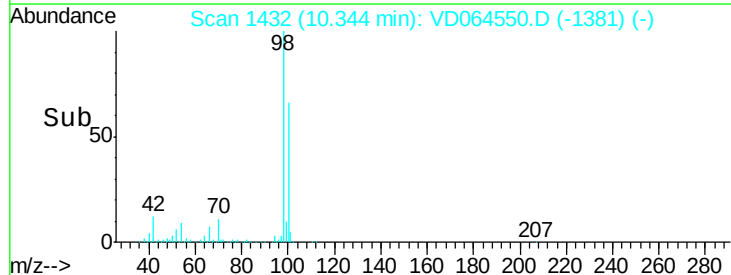
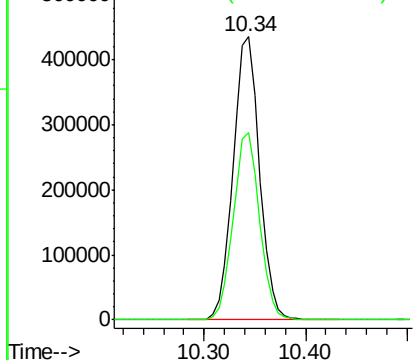


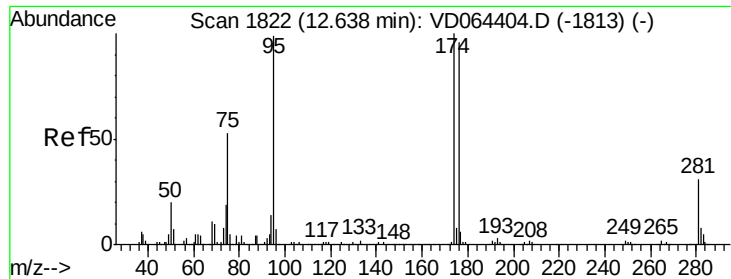
#50  
 Toluene-d8  
 Concen: 50.320 ug/l  
 RT: 10.34 min Scan# 1432  
 Delta R.T. 0.00 min  
 Lab File: VD064550.D  
 Acq: 17 Dec 2019 17:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.9  | 52.6  | 79.0  |



Abundance Ion 98.00 (97.70 to 98.70): VDC  
 Ion 100.00 (99.70 to 100.70): VDC

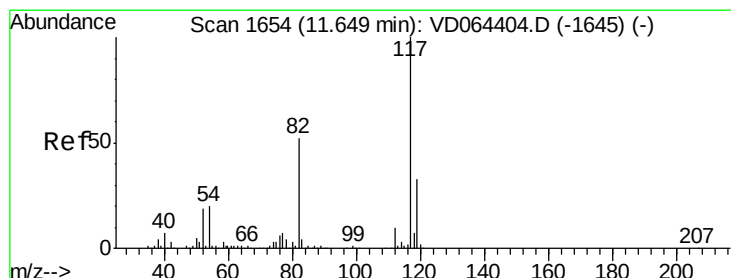
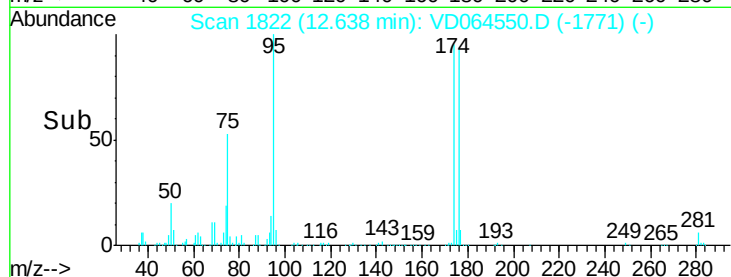
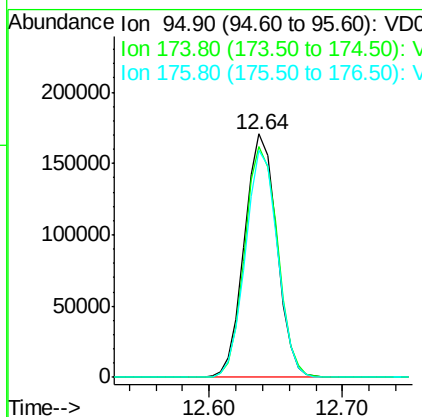
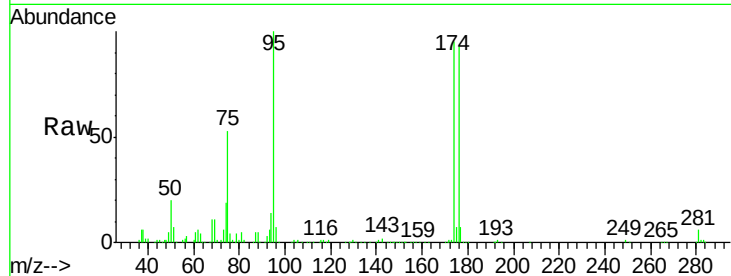




#62  
4-Bromofluorobenzene  
Concen: 56.589 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VD064550.D  
Acq: 17 Dec 2019 17:34

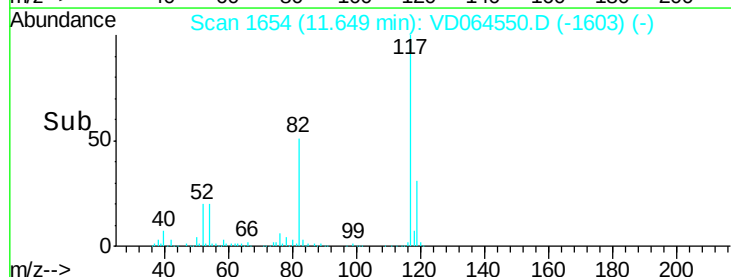
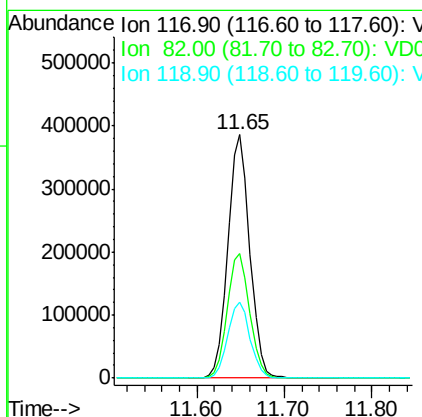
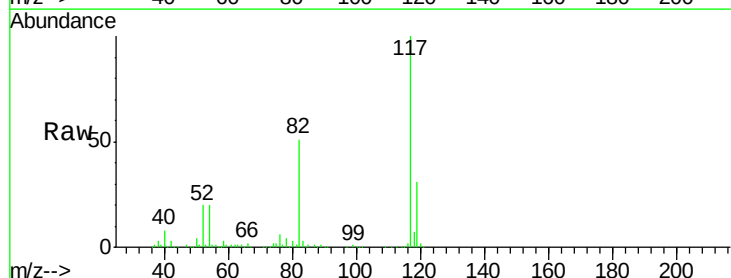
Instrument :  
MSVOA\_D  
ClientSampleId :  
PF-B

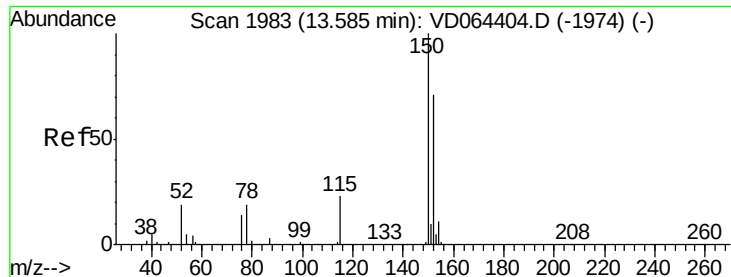
Tot Ion: 95 Resp: 285002  
Ion Ratio Lower Upper  
95 100  
174 96.3 0.0 197.2  
176 92.2 0.0 189.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD064550.D  
Acq: 17 Dec 2019 17:34

Tgt Ion: 117 Resp: 658173  
Ion Ratio Lower Upper  
117 100  
82 51.4 41.4 62.2  
119 31.1 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064550.D

Acq: 17 Dec 2019 17:34

Instrument :

MSVOA\_D

ClientSampleId :

PF-B

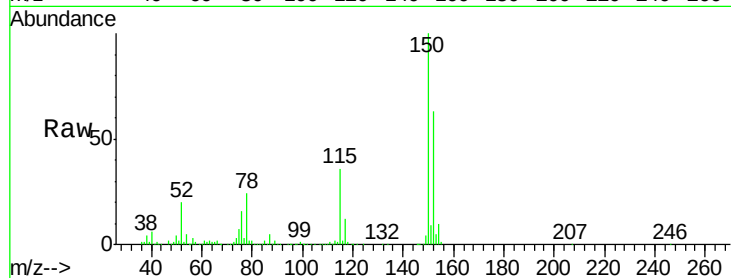
Tot Ion:152 Resp: 331897

Ion Ratio Lower Upper

152 100

115 54.8 26.7 80.1

150 156.0 0.0 347.2



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

