

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\  
 Data File : VD066879.D  
 Acq On : 25 Sep 2020 17:34  
 Operator : VA/SY  
 Sample : L4162-03  
 Misc : 6.90G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TT-031-IDWSO-20200924

Quant Time: Sep 26 04:37:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 23 01:34:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 408710   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 715904   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 721903   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 338454   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 213565   | 53.39 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.78% |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 224534   | 49.30 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.60%  |          |
| 50) Toluene-d8              | 10.34 | 98   | 871703   | 56.17 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.34% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 312480   | 58.82 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 117.64% |          |

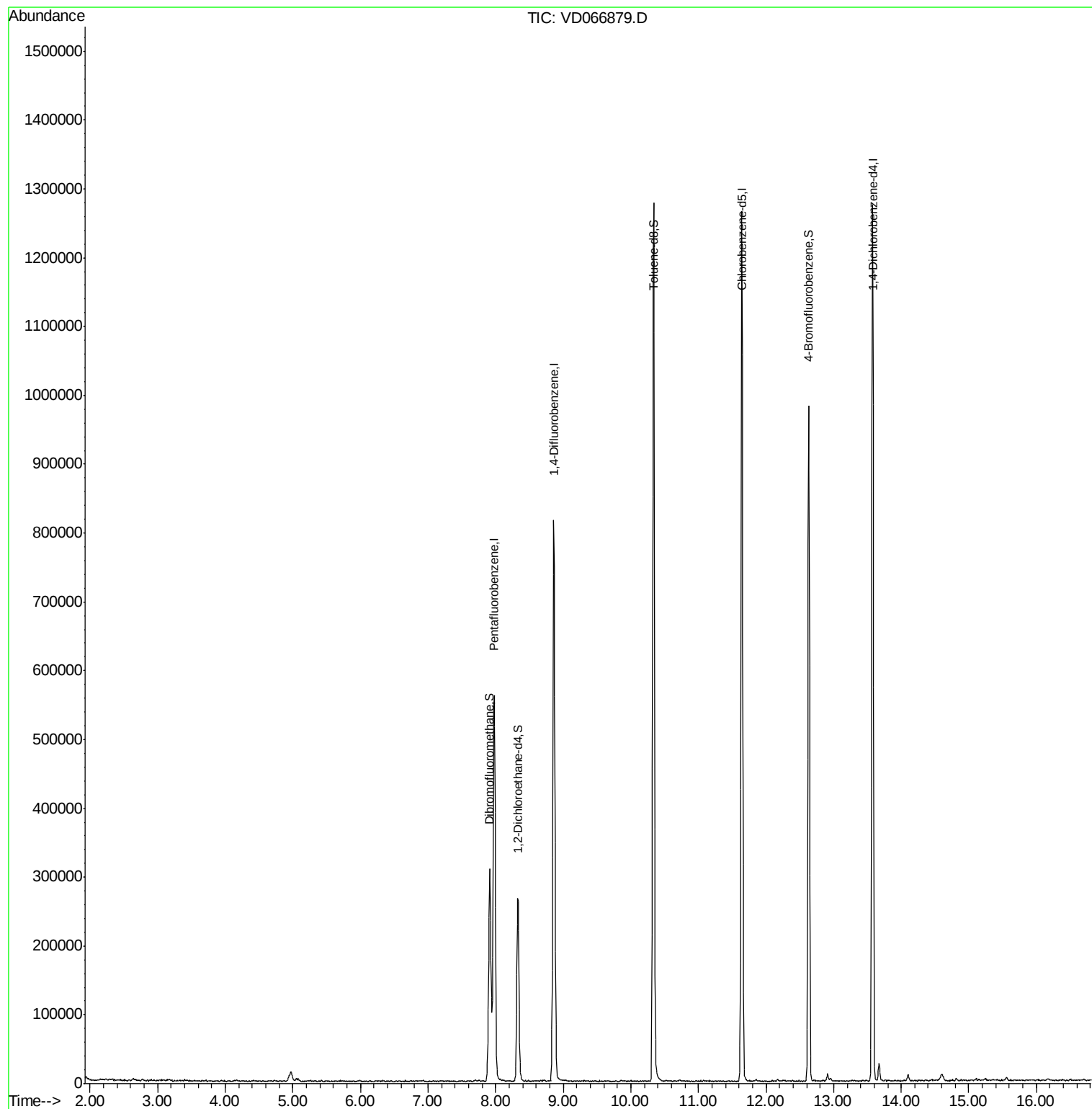
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

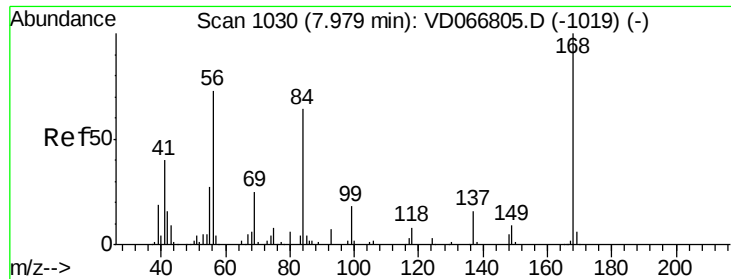
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TT-031-IDWSO-20200924

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Quant Title : SW846 8260  
QLast Update : Wed Sep 23 01:34:05 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066879.D

Acq: 25 Sep 2020 17:34

Instrument :

MSVOA\_D

ClientSampleId :

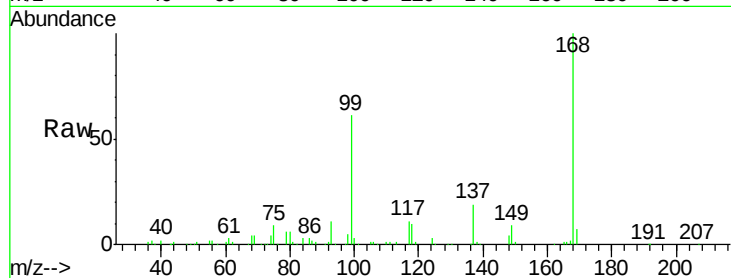
TT-031-IDWSO-20200924

Tot Ion:168 Resp: 408710

Ion Ratio Lower Upper

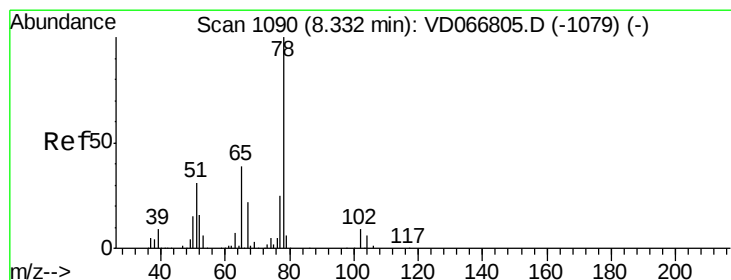
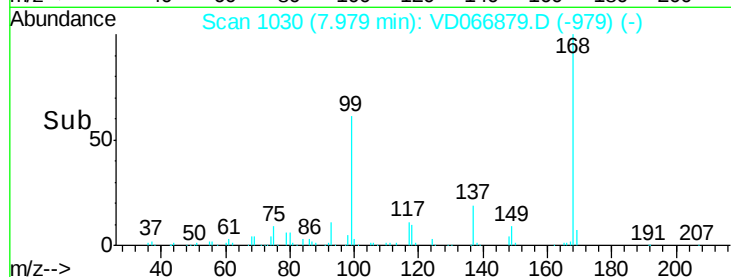
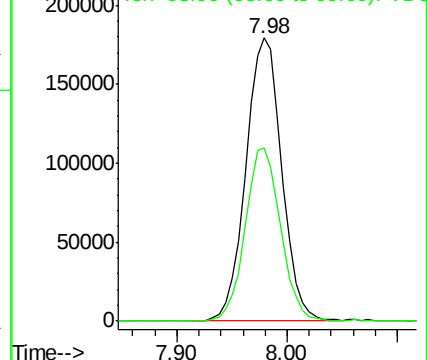
168 100

99 61.1 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 53.387 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066879.D

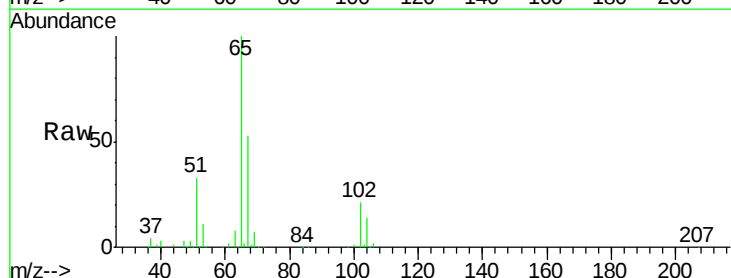
Acq: 25 Sep 2020 17:34

Tgt Ion: 65 Resp: 213565

Ion Ratio Lower Upper

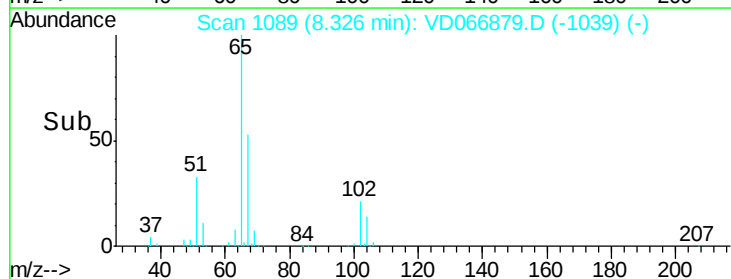
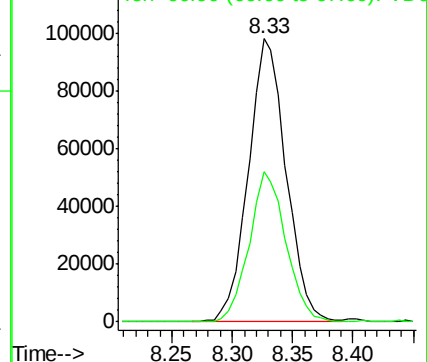
65 100

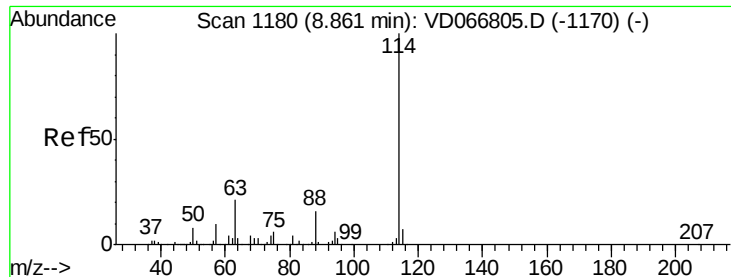
67 51.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

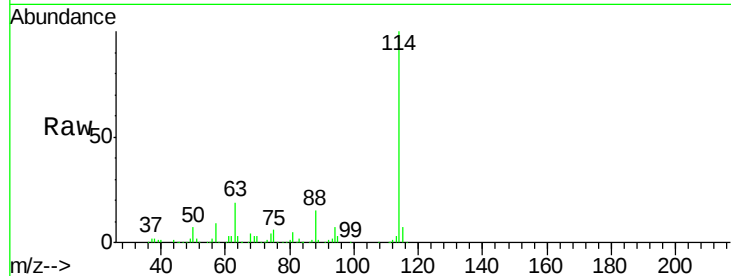




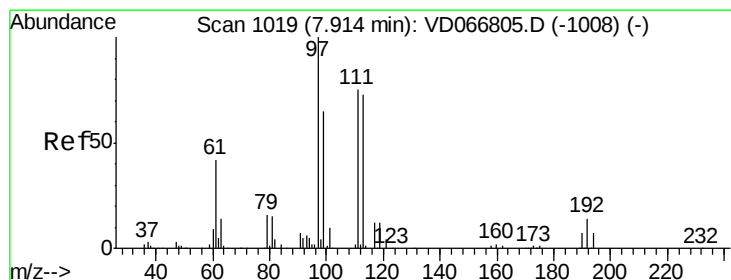
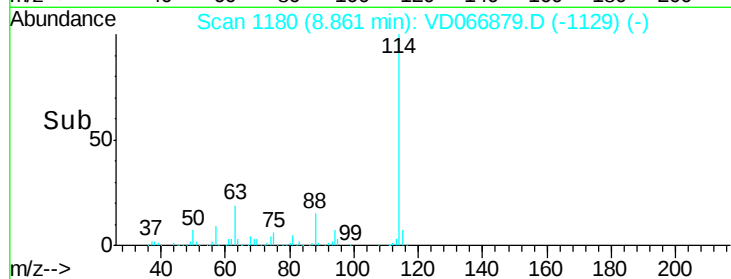
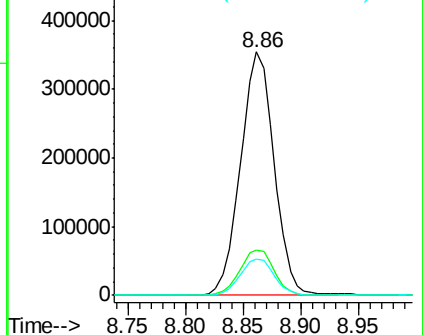
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. 0.00 min  
 Lab File: VD066879.D  
 Acq: 25 Sep 2020 17:34

Instrument :  
 MSVOA\_D  
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 TT-031-IDWSO-20200924

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.7  | 0.0   | 42.6  |
| 88      | 15.1  | 0.0   | 32.6  |

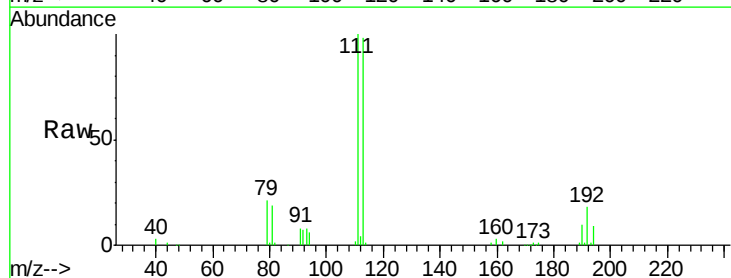


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

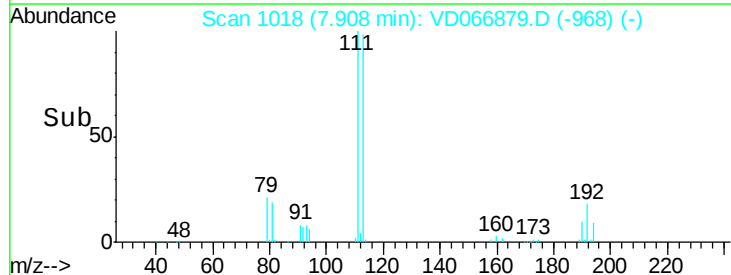
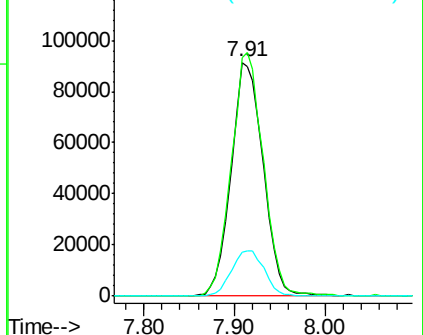


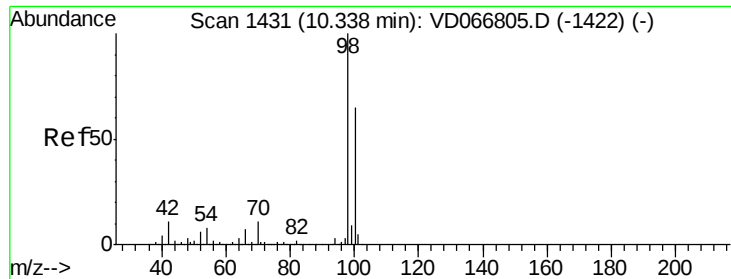
#35  
 Dibromofluoromethane  
 Concen: 49.299 ug/l  
 RT: 7.91 min Scan# 1018  
 Delta R.T. -0.01 min  
 Lab File: VD066879.D  
 Acq: 25 Sep 2020 17:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.1 | 81.8  | 122.8 |
| 192     | 19.8  | 14.4  | 21.6  |



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: 56.173 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066879.D

Acq: 25 Sep 2020 17:34

Instrument :

MSVOA\_D

ClientSampleId :

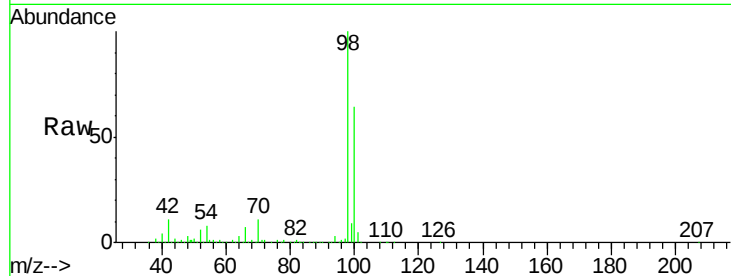
TT-031-IDWSO-20200924

Tot Ion: 98 Resp: 871703

Ion Ratio Lower Upper

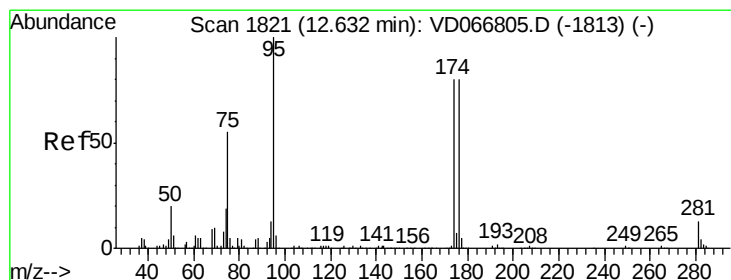
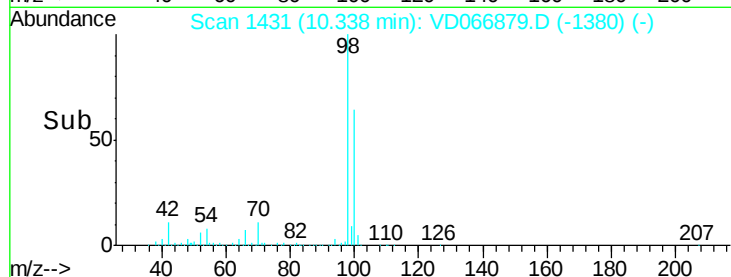
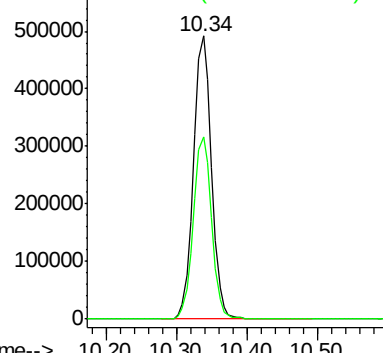
98 100

100 65.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 58.820 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066879.D

Acq: 25 Sep 2020 17:34

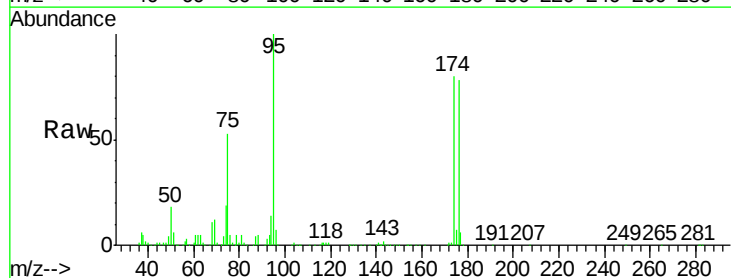
Tgt Ion: 95 Resp: 312480

Ion Ratio Lower Upper

95 100

174 79.9 0.0 159.8

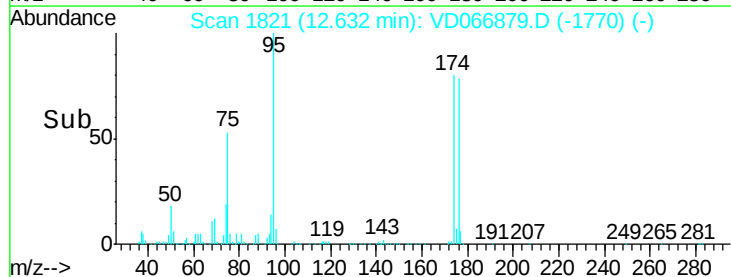
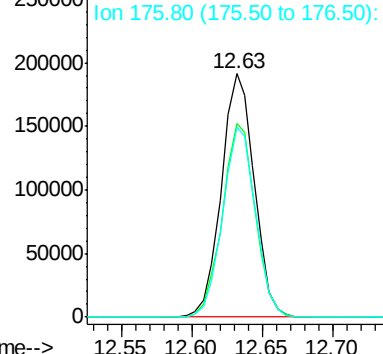
176 78.1 0.0 154.4

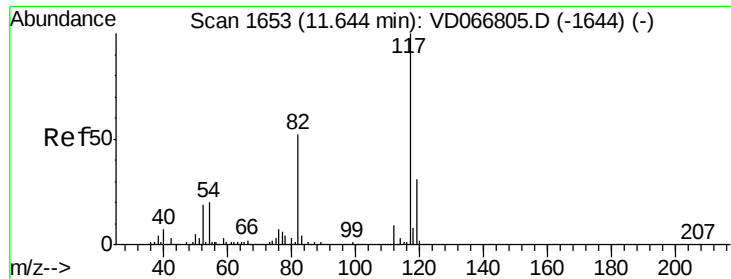


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

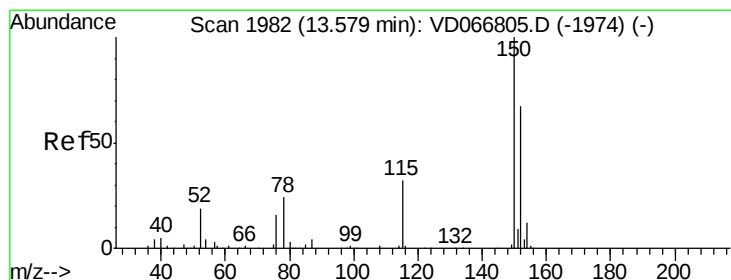
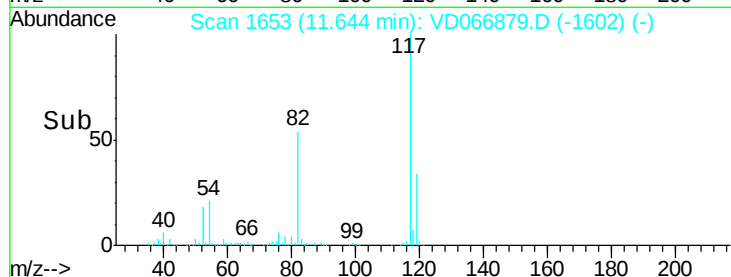
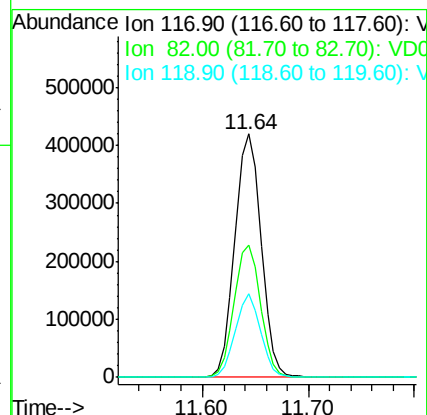
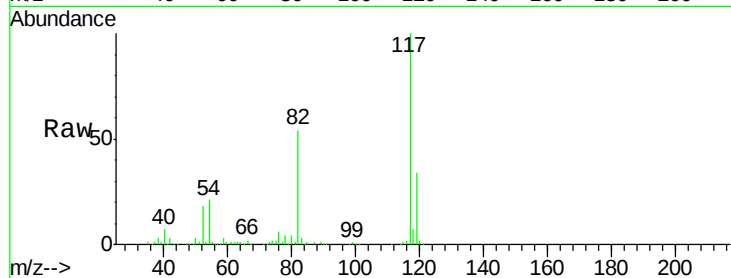




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD066879.D  
Acq: 25 Sep 2020 17:34

Instrument :  
MSVOA\_D  
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TT-031-IDWSO-20200924

Tot Ion:117 Resp: 721903  
Ion Ratio Lower Upper  
117 100  
82 54.4 41.8 62.6  
119 34.5 24.6 37.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VD066879.D  
Acq: 25 Sep 2020 17:34

Tgt Ion:152 Resp: 338454  
Ion Ratio Lower Upper  
152 100  
115 59.7 30.3 91.0  
150 156.6 0.0 346.2

