

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110420\  
 Data File : VD067510.D  
 Acq On : 04 Nov 2020 10:30  
 Operator : VA/SY  
 Sample : VD1104SBL01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1104SBL01

Quant Time: Nov 05 01:06:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110320S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 04 00:56:28 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.99  | 168  | 321952   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 524557   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 526239   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 259721   | 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   | 166429   | 59.12 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 118.24% |          |
| 35) Dibromofluoromethane    | 7.92  | 113  | 166579   | 52.71 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.42% |          |
| 50) Toluene-d8              | 10.34 | 98   | 626160   | 56.38 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.76% |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 230156   | 60.02 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 120.04% |          |

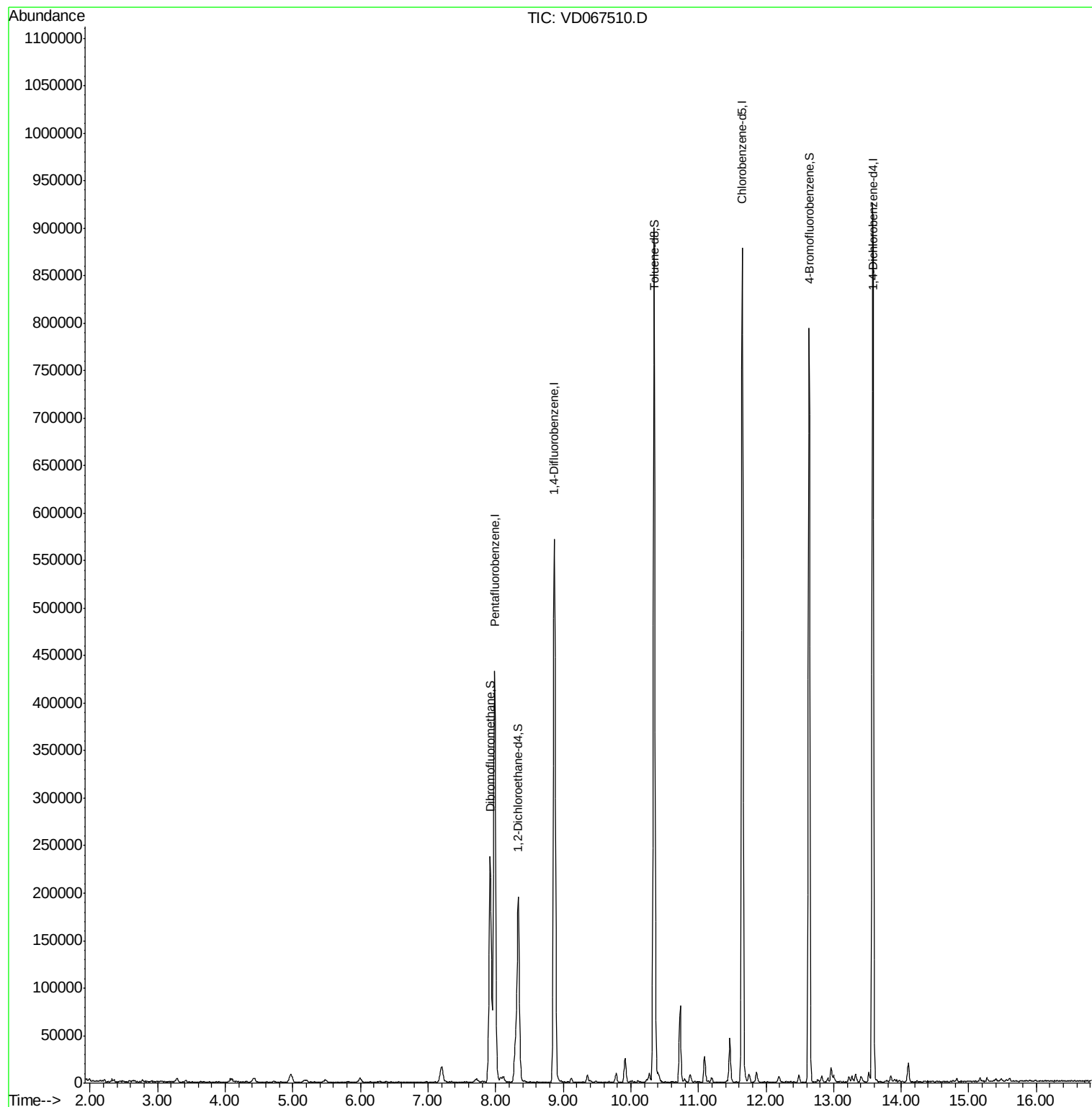
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

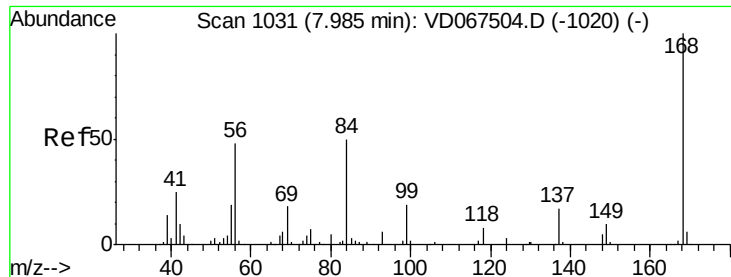
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Nov 04 00:56:28 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

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Acq: 04 Nov 2020 10:30

Instrument :

MSVOA\_D

ClientSampleId :

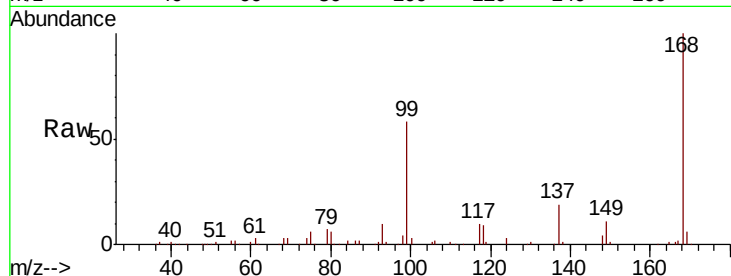
VD1104SBL01

Tot Ion:168 Resp: 321952

Ion Ratio Lower Upper

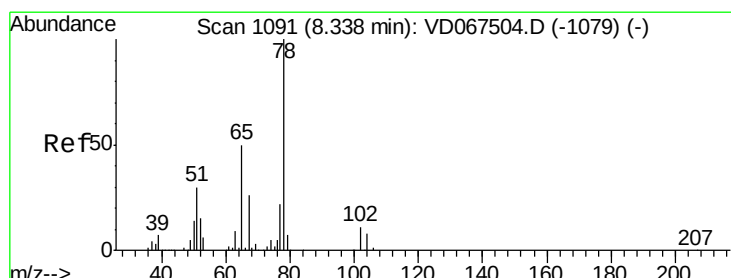
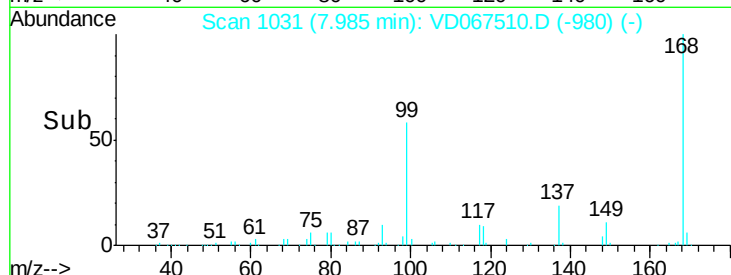
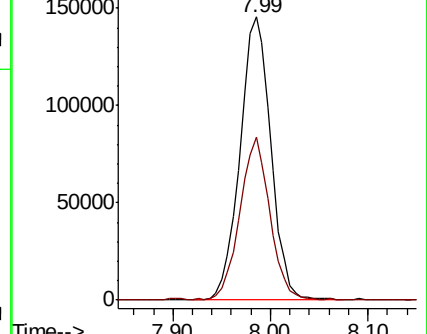
168 100

99 57.3 45.0 67.6



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: 59.120 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067510.D

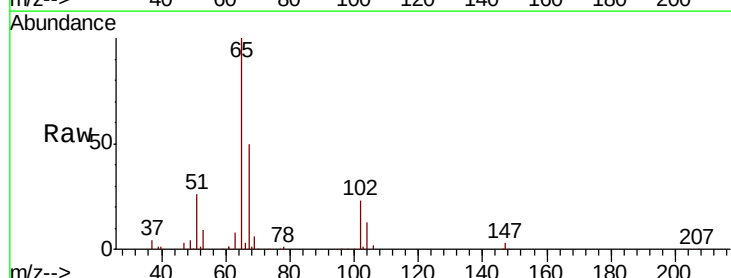
Acq: 04 Nov 2020 10:30

Tgt Ion: 65 Resp: 166429

Ion Ratio Lower Upper

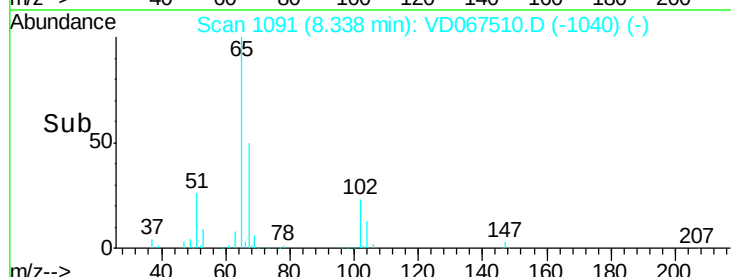
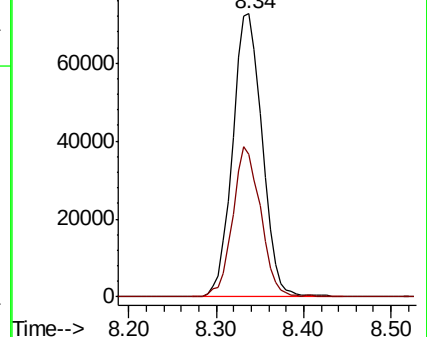
65 100

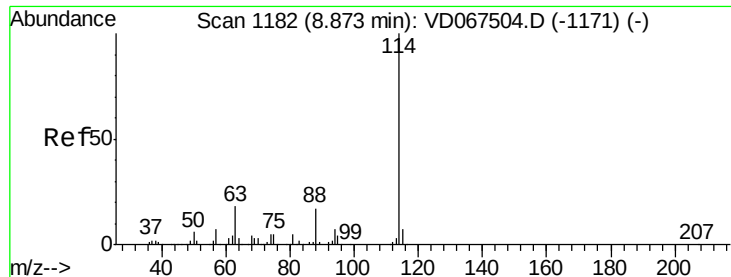
67 50.2 0.0 99.4



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: 8.87 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VD067510.D

Acq: 04 Nov 2020 10:30

Instrument :

MSVOA\_D

ClientSampleId :

VD1104SBL01

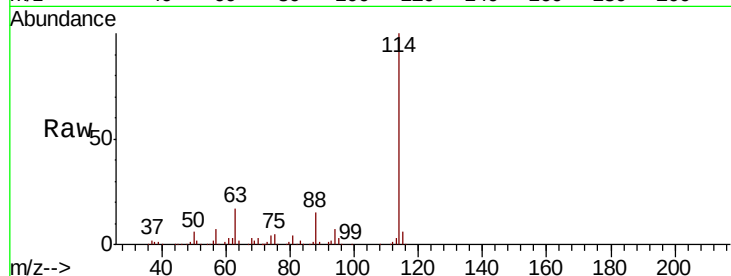
Tot Ion:114 Resp: 524557

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.0

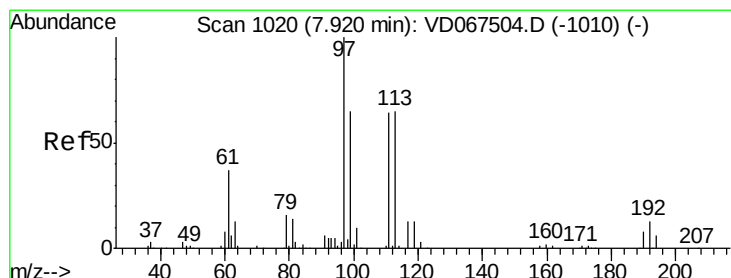
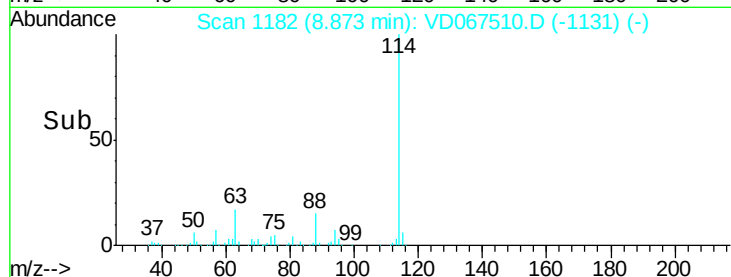
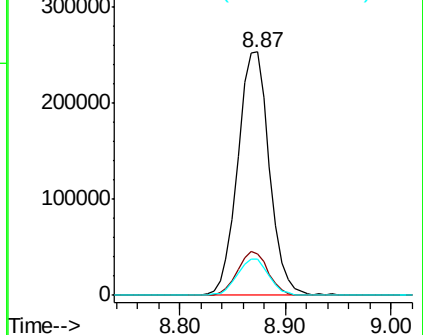
88 14.9 0.0 33.0



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: 52.708 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067510.D

Acq: 04 Nov 2020 10:30

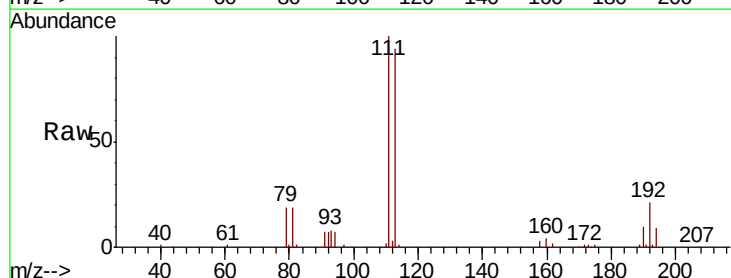
Tgt Ion:113 Resp: 166579

Ion Ratio Lower Upper

113 100

111 102.7 80.0 120.0

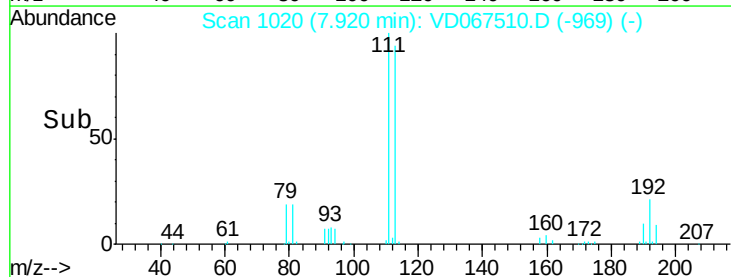
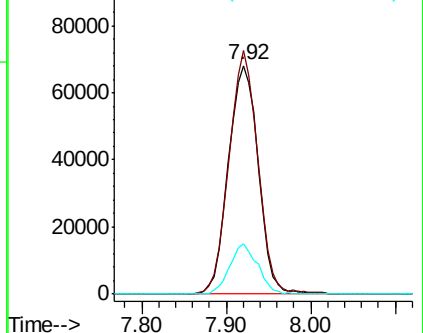
192 20.7 16.3 24.5

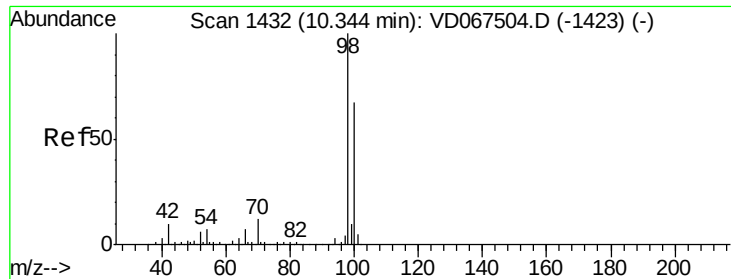


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

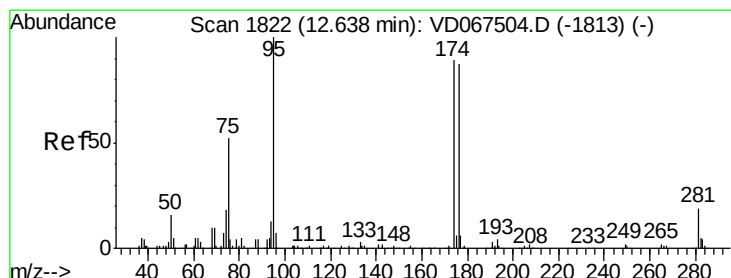
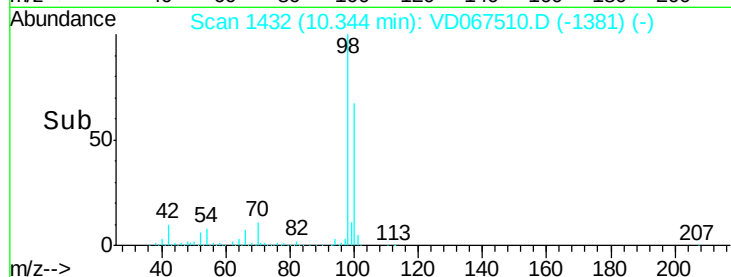
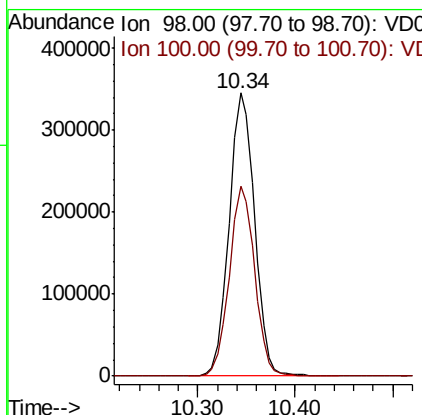
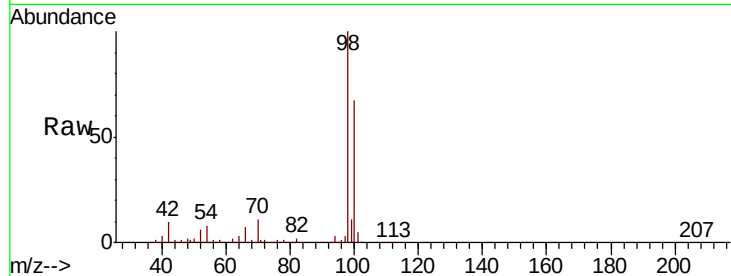




#50  
Toluene-d8  
Concen: 56.378 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VD067510.D  
Acq: 04 Nov 2020 10:30

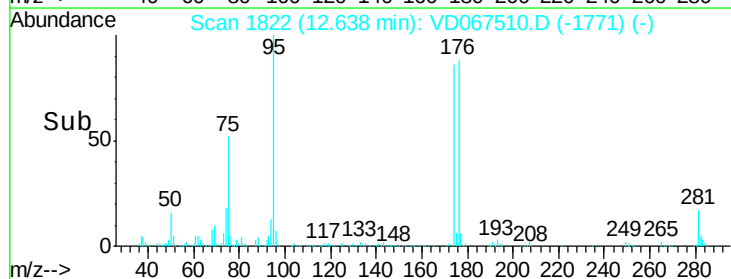
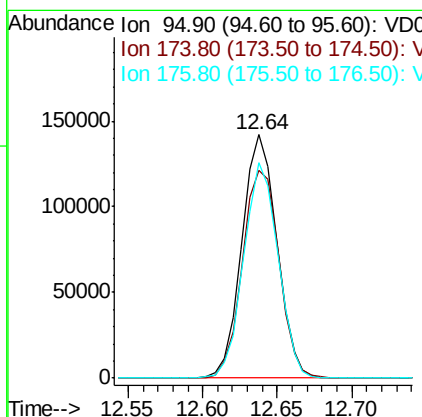
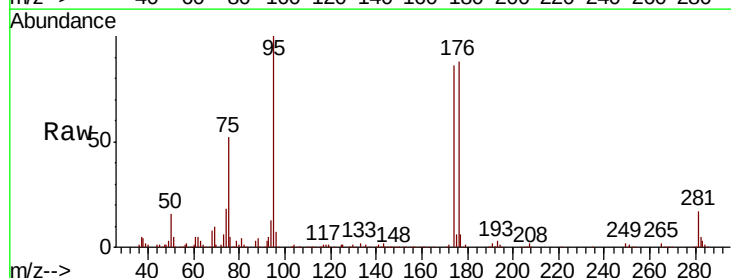
Instrument :  
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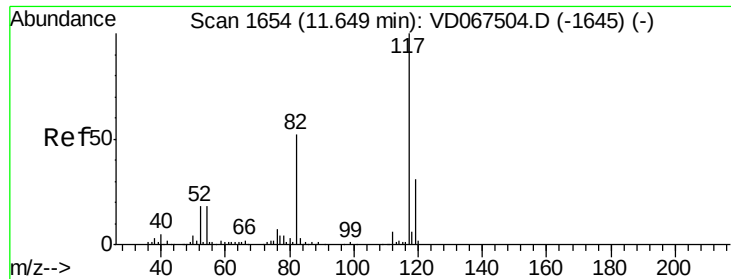
Tot Ion: 98 Resp: 626160  
Ion Ratio Lower Upper  
98 100  
100 66.8 53.0 79.6



#62  
4-Bromofluorobenzene  
Concen: 60.023 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VD067510.D  
Acq: 04 Nov 2020 10:30

Tgt Ion: 95 Resp: 230156  
Ion Ratio Lower Upper  
95 100  
174 89.6 0.0 177.8  
176 87.3 0.0 172.0

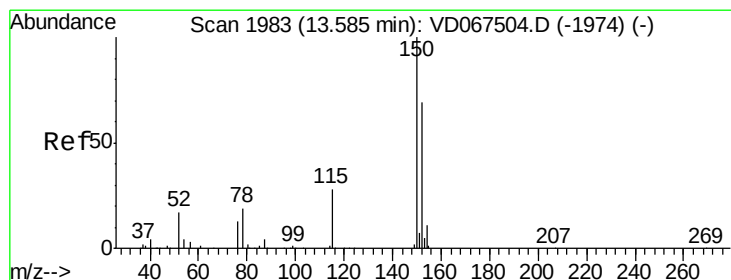
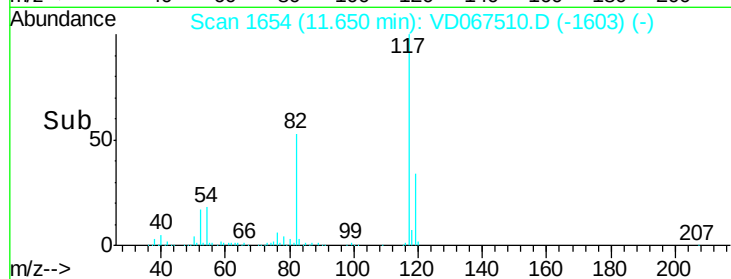
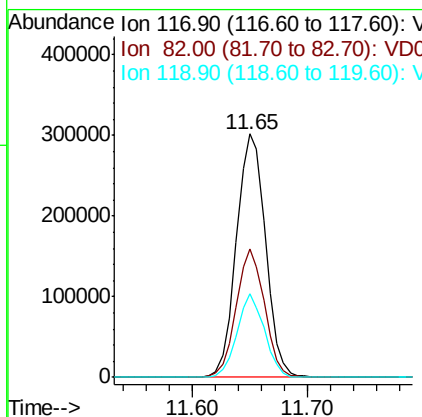
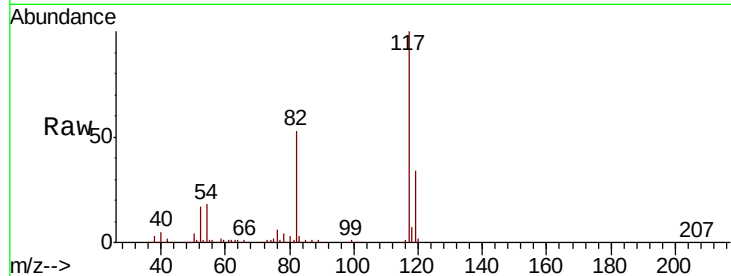




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD067510.D  
Acq: 04 Nov 2020 10:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1104SBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.6  | 41.6  | 62.4  |
| 119     | 34.2  | 25.1  | 37.7  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.01 min  
Lab File: VD067510.D  
Acq: 04 Nov 2020 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.9  | 29.3  | 88.0  |
| 150     | 159.9 | 0.0   | 338.2 |

