

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\  
 Data File : VD067318.D  
 Acq On : 20 Oct 2020 12:34  
 Operator : VA/SY  
 Sample : L4463-01  
 Misc : 5.77G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VNJ-238

Quant Time: Oct 21 02:17:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D101320S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 19 19:13:29 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.99  | 168  | 269731   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 465311   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 484141   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 245026   | 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   | 164022   | 60.70 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 121.40% |          |
| 35) Dibromofluoromethane    | 7.92  | 113  | 158661   | 51.24 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.48% |          |
| 50) Toluene-d8              | 10.34 | 98   | 579120   | 51.68 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.36% |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 223670   | 57.40 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 114.80% |          |

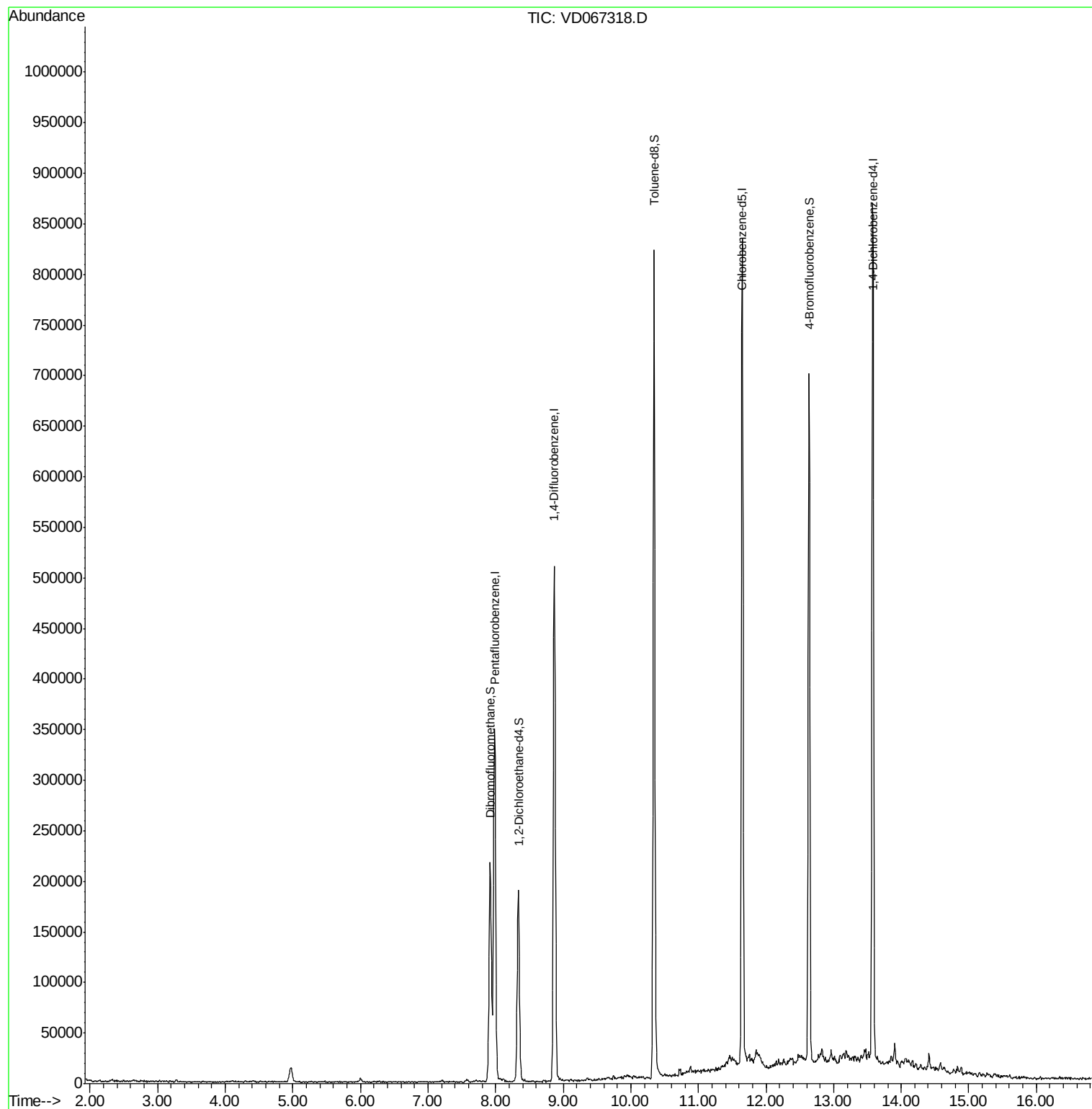
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

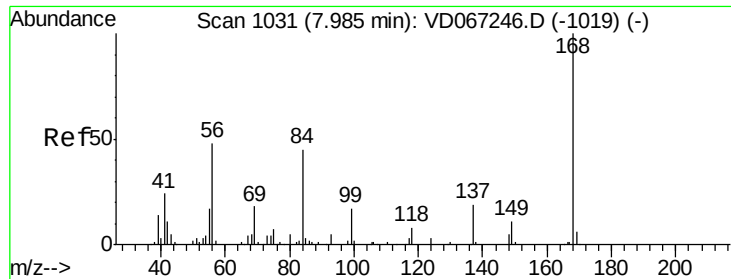
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 19 19:13:29 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067318.D

Acq: 20 Oct 2020 12:34

Instrument :

MSVOA\_D

ClientSampleId :

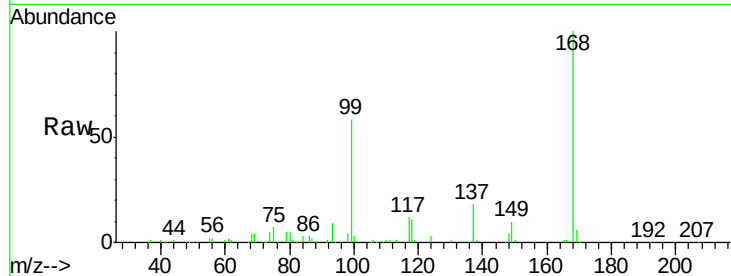
VNJ-238

Tot Ion:168 Resp: 269731

Ion Ratio Lower Upper

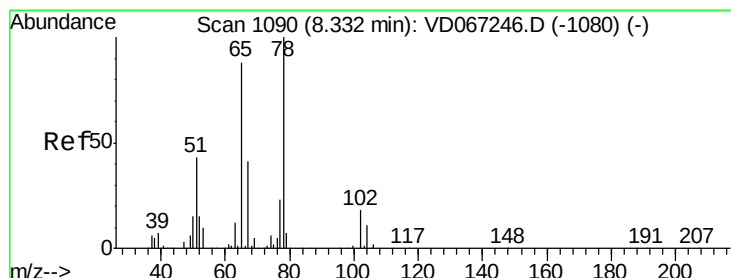
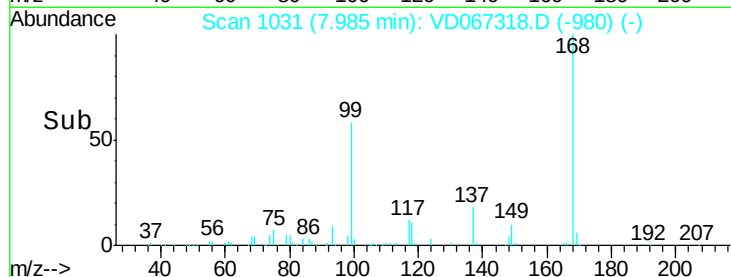
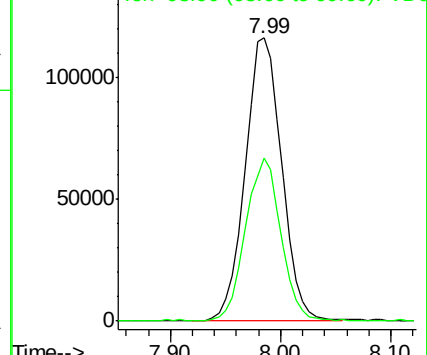
168 100

99 57.6 45.9 68.9



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: 60.697 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067318.D

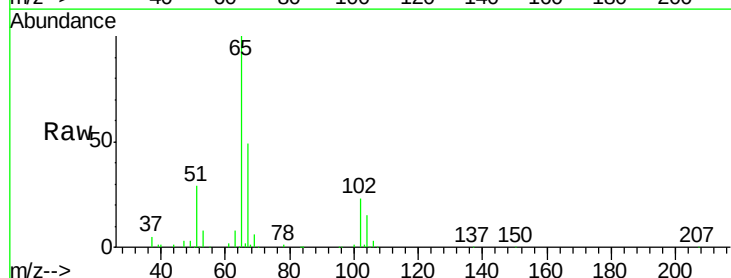
Acq: 20 Oct 2020 12:34

Tgt Ion: 65 Resp: 164022

Ion Ratio Lower Upper

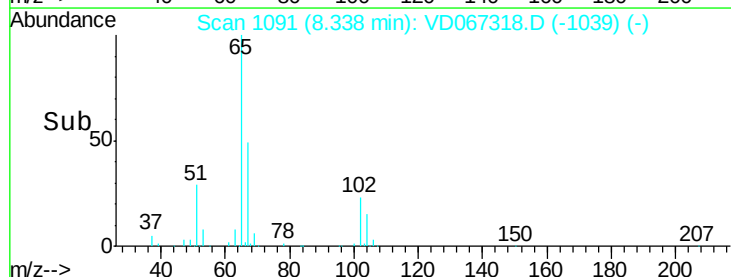
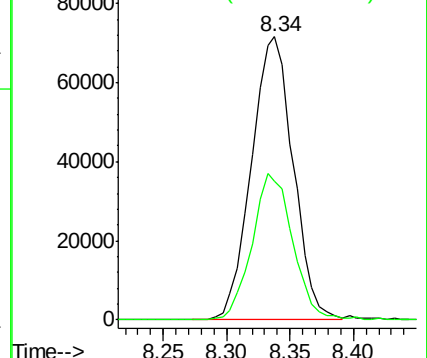
65 100

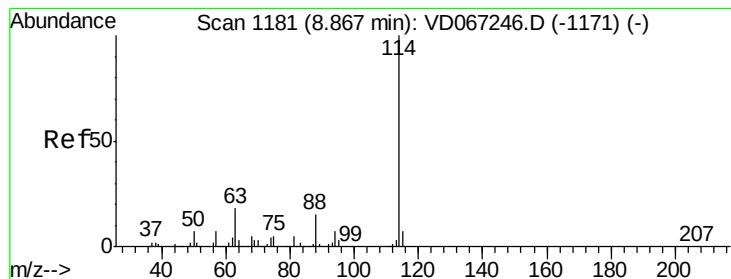
67 50.3 0.0 103.8



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# 1181

Delta R.T. 0.00 min

Lab File: VD067318.D

Acq: 20 Oct 2020 12:34

Instrument :

MSVOA\_D

ClientSampleId :

VNJ-238

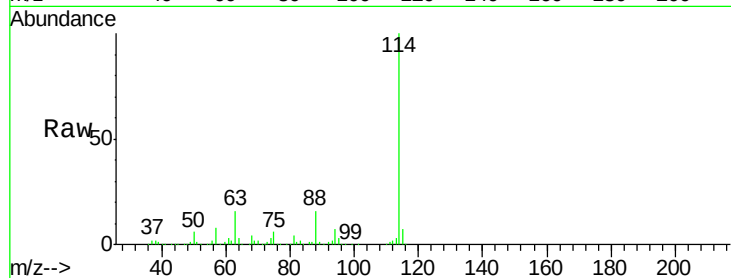
Tot Ion:114 Resp: 465311

Ion Ratio Lower Upper

114 100

63 16.2 0.0 35.0

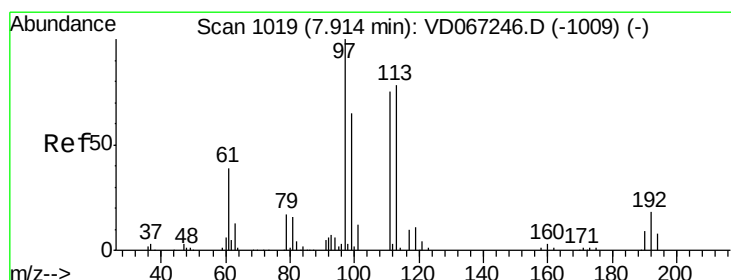
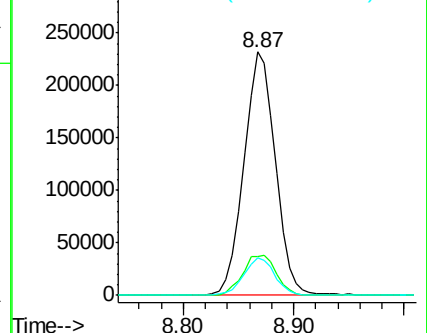
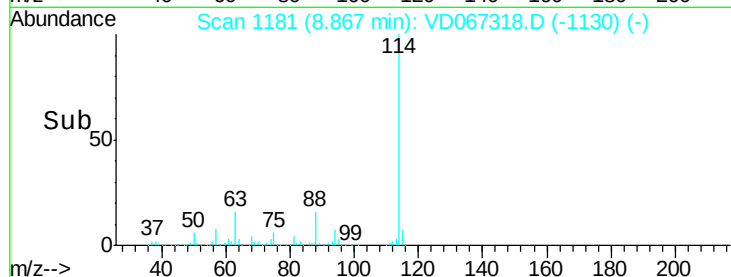
88 15.6 0.0 30.6



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: 51.236 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067318.D

Acq: 20 Oct 2020 12:34

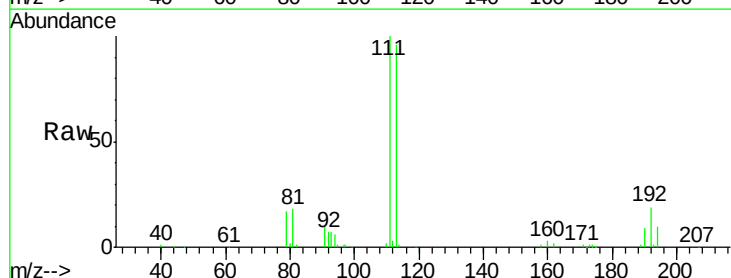
Tgt Ion:113 Resp: 158661

Ion Ratio Lower Upper

113 100

111 100.2 81.6 122.4

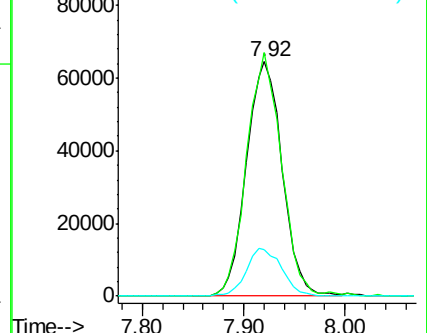
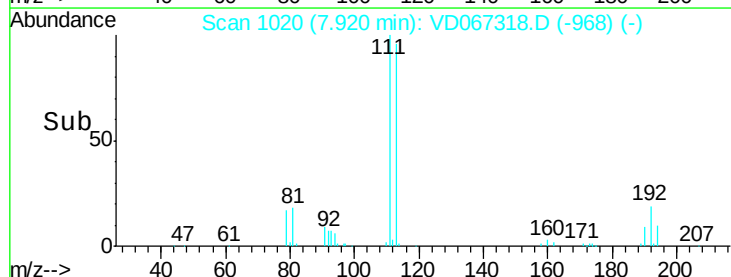
192 20.2 17.0 25.4

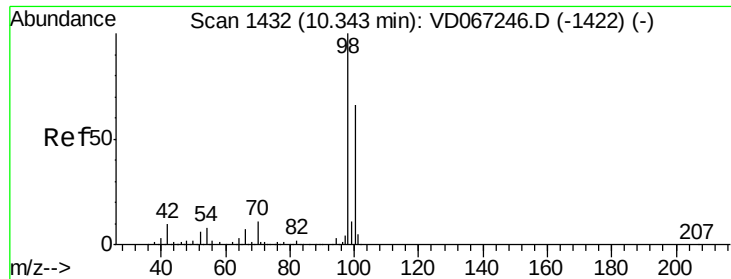


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

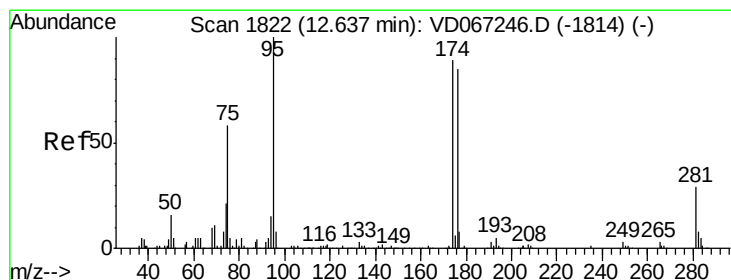
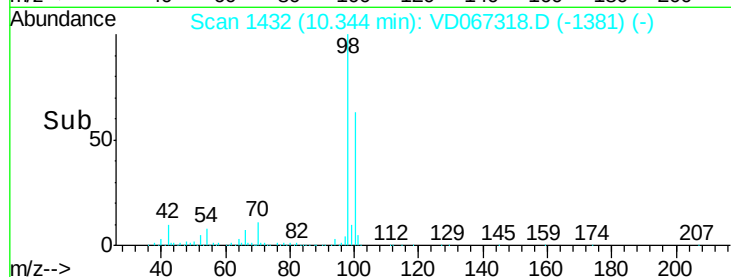
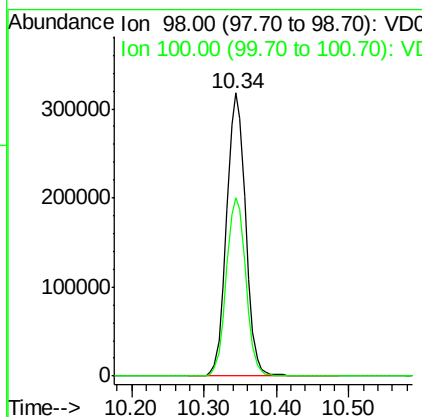
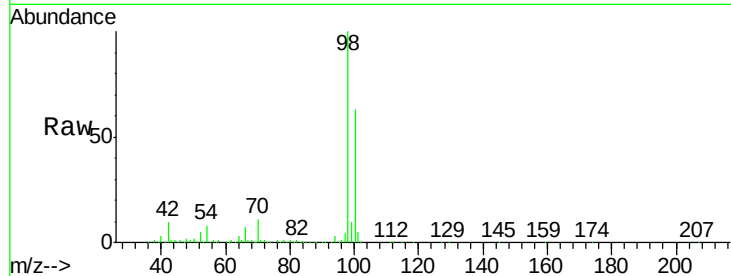




#50  
Toluene-d8  
Concen: 51.677 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VD067318.D  
Acq: 20 Oct 2020 12:34

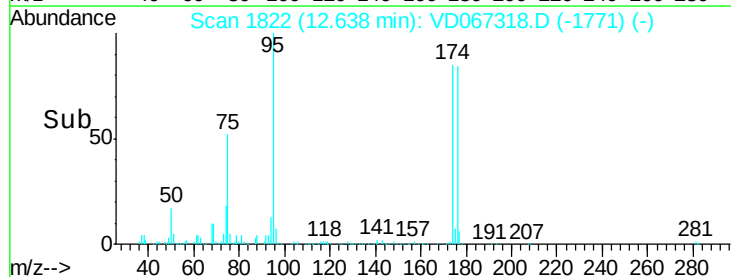
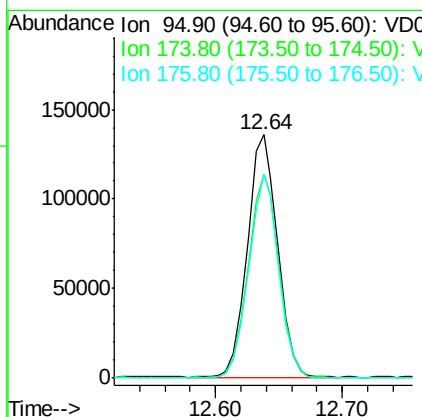
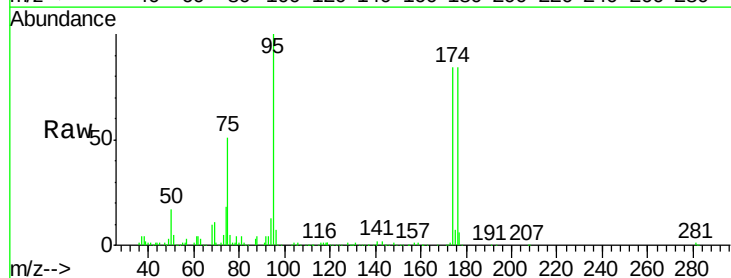
Instrument :  
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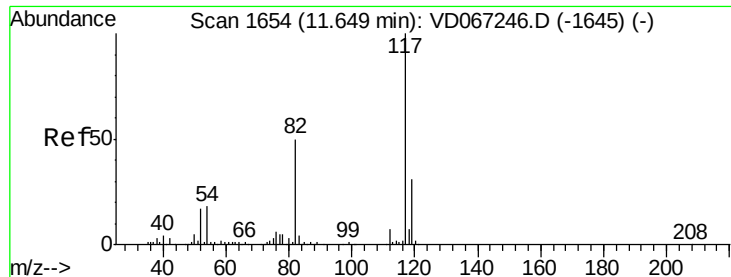
Tot Ion: 98 Resp: 579120  
Ion Ratio Lower Upper  
98 100  
100 64.1 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 57.399 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VD067318.D  
Acq: 20 Oct 2020 12:34

Tgt Ion: 95 Resp: 223670  
Ion Ratio Lower Upper  
95 100  
174 85.8 0.0 175.2  
176 82.7 0.0 168.6

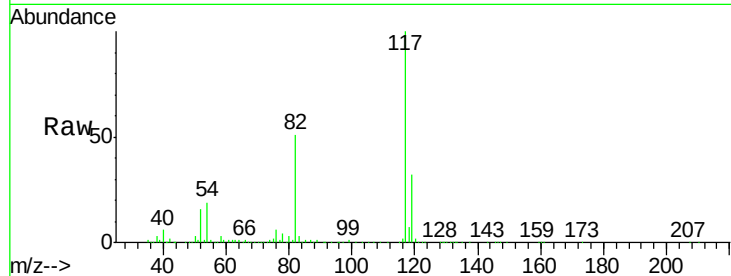




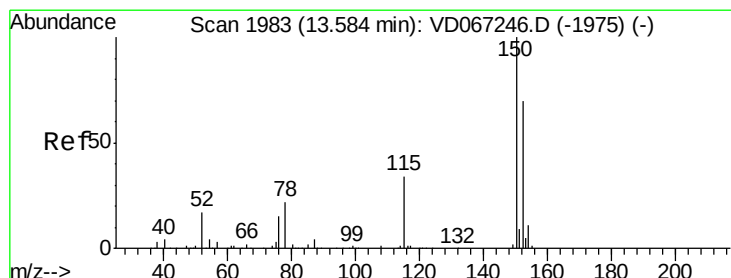
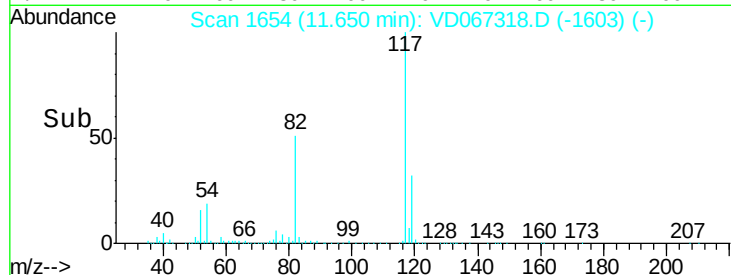
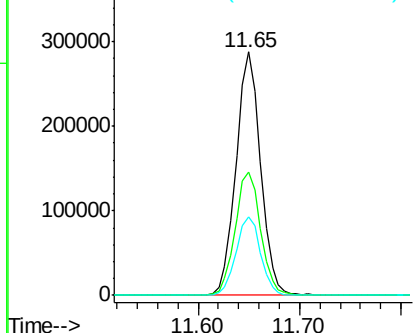
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD067318.D  
Acq: 20 Oct 2020 12:34

Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-238

Tot Ion:117 Resp: 484141  
Ion Ratio Lower Upper  
117 100  
82 50.9 39.9 59.9  
119 32.0 24.9 37.3

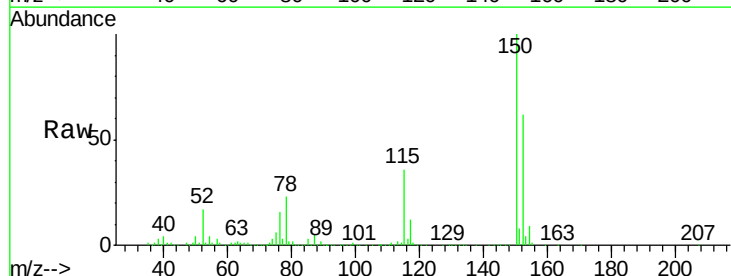


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.01 min  
Lab File: VD067318.D  
Acq: 20 Oct 2020 12:34

Tgt Ion:152 Resp: 245026  
Ion Ratio Lower Upper  
152 100  
115 58.5 29.3 87.9  
150 155.8 0.0 339.0



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

