

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
 Data File : VD067047.D  
 Acq On : 02 Oct 2020 20:32  
 Operator : VA/SY  
 Sample : L4226-01  
 Misc : 8.75G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TR-05-100120

Quant Time: Oct 03 05:35:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 01 15:19:17 2020  
 Response via : Initial Calibration

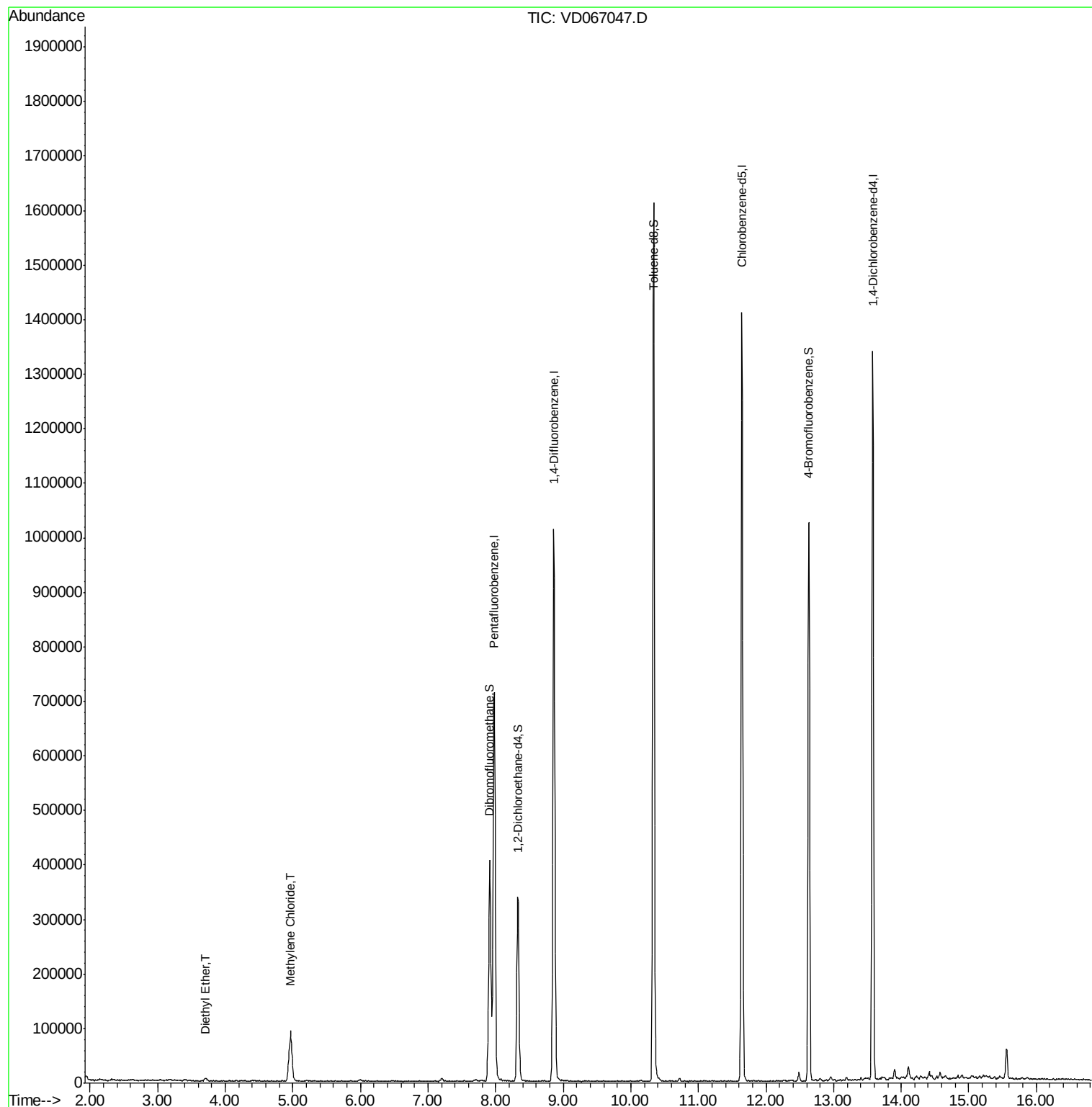
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 544492   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 908875   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 830165   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 367538   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 265108   | 50.55 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.10% |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 291452   | 48.98 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.96%  |          |
| 50) Toluene-d8              | 10.34 | 98   | 1069619  | 49.33 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.66%  |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 344131   | 46.75 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.50%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 8) Diethyl Ether            | 3.71  | 74   | 2820     | 1.177 | ug/l    | 95       |
| 20) Methylene Chloride      | 4.97  | 84   | 72322    | 6.384 | ug/l    | 93       |

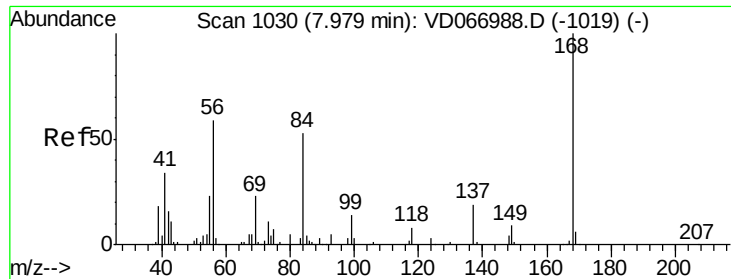
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\  
Data File : VD067047.D  
Acq On : 02 Oct 2020 20:32  
Operator : VA/SY  
Sample : L4226-01  
Misc : 8.75G/5.00ml/MSVOA D/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
TR-05-100120

Quant Time: Oct 03 05:35:50 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 01 15:19:17 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: VD067047.D

Acq: 02 Oct 2020 20:32

Instrument :

MSVOA\_D

ClientSampleId :

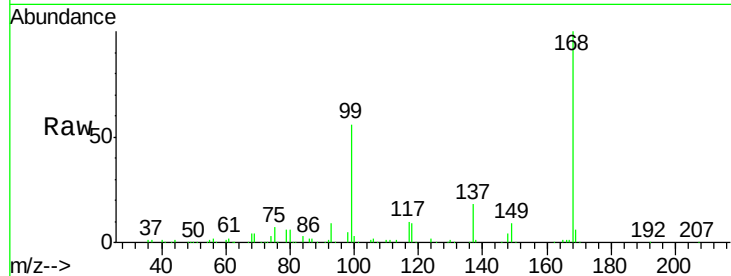
TR-05-100120

Tot Ion:168 Resp: 544492

Ion Ratio Lower Upper

168 100

99 56.2 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

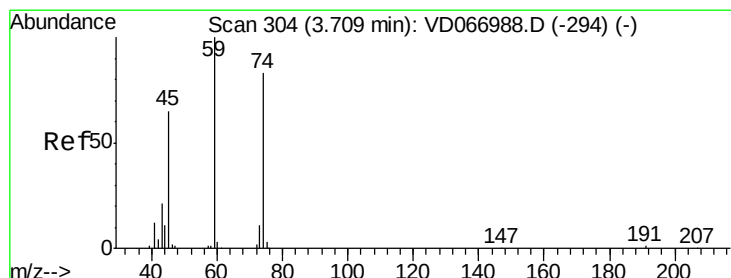
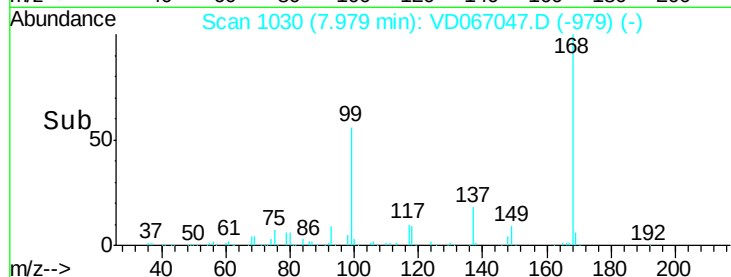
0

Time-->

7.90

8.00

8.10



#8

Diethyl Ether

Concen: 1.177 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD067047.D

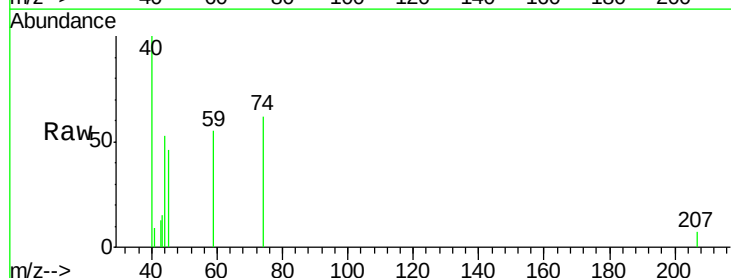
Acq: 02 Oct 2020 20:32

Tgt Ion: 74 Resp: 2820

Ion Ratio Lower Upper

74 100

45 90.8 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.71

1500

1000

500

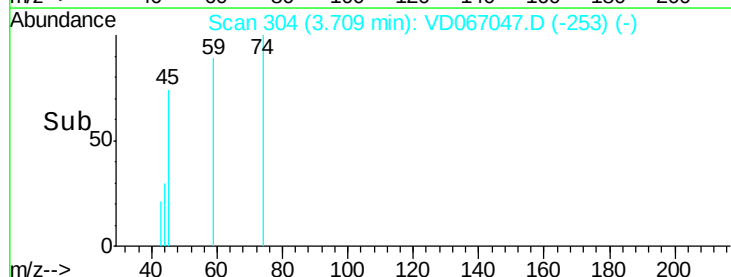
0

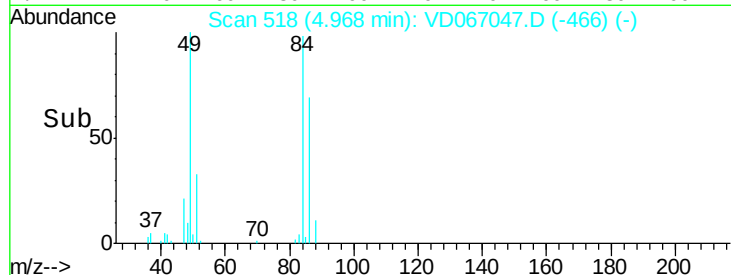
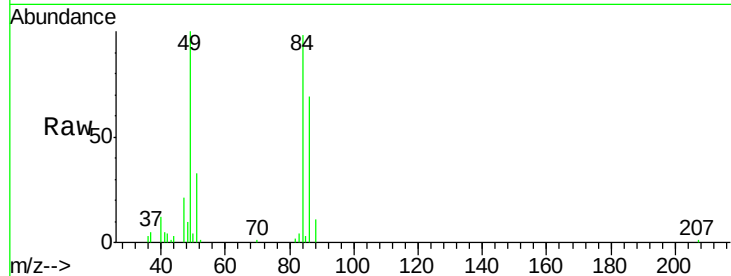
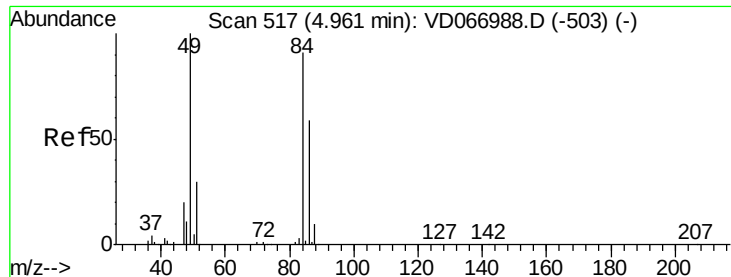
Time-->

3.65

3.70

3.75

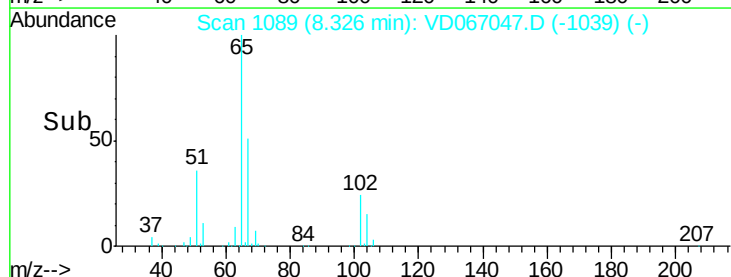
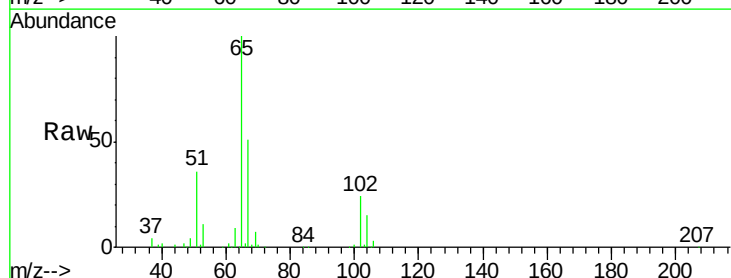
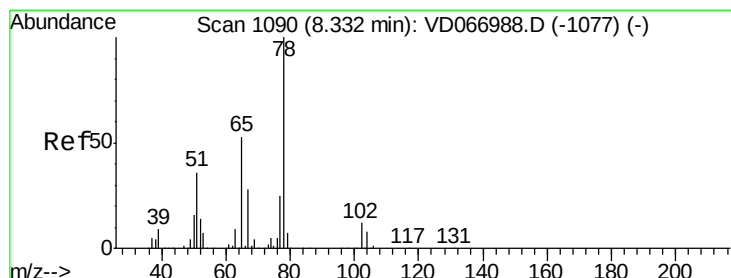
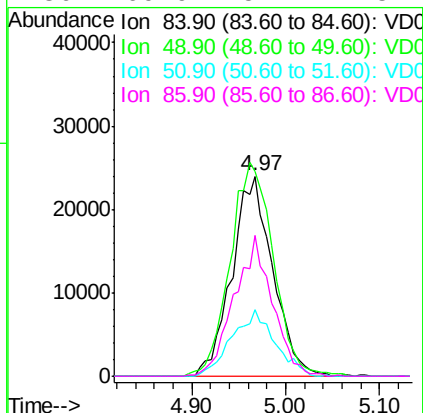




#20  
Methylene Chloride  
Concen: 6.384 ug/l  
RT: 4.97 min Scan# 518  
Delta R.T. 0.01 min  
Lab File: VD067047.D  
Acq: 02 Oct 2020 20:32

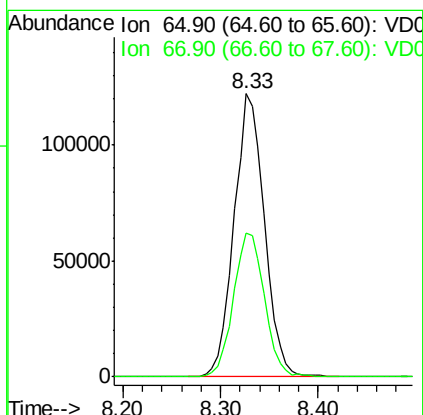
Instrument :  
MSVOA\_D  
ClientSampleId :  
TR-05-100120

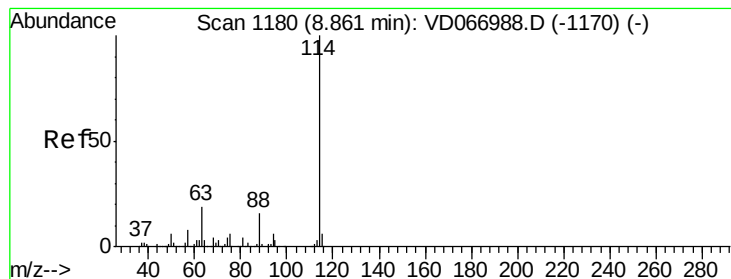
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 72322 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 101.1 | 88.2  | 132.2 |
| 51       | 33.5  | 26.6  | 39.8  |
| 86       | 69.9  | 52.1  | 78.1  |



#33  
1,2-Dichloroethane-d4  
Concen: 50.550 ug/l  
RT: 8.33 min Scan# 1089  
Delta R.T. -0.01 min  
Lab File: VD067047.D  
Acq: 02 Oct 2020 20:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 265108 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.9  | 0.0   | 106.8  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067047.D

Acq: 02 Oct 2020 20:32

Instrument :

MSVOA\_D

ClientSampleId :

TR-05-100120

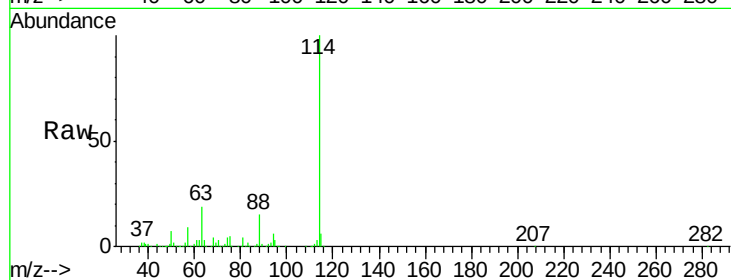
Tot Ion:114 Resp: 908875

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

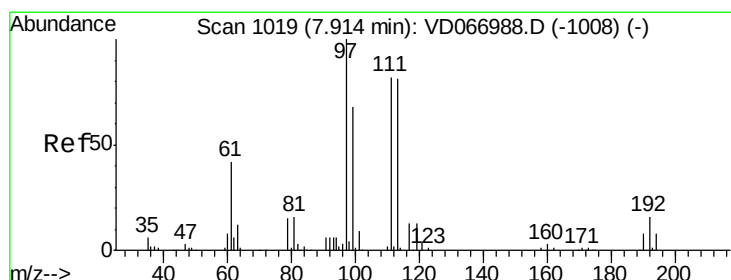
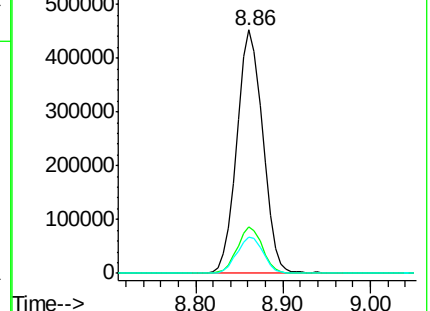
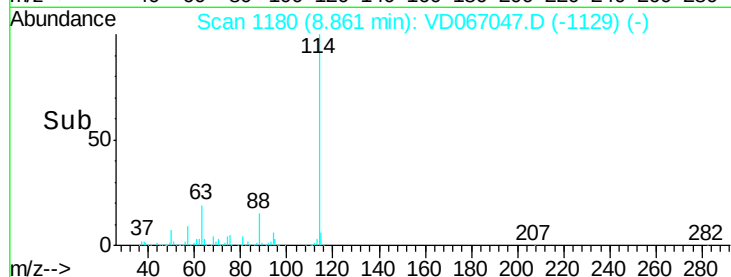
88 14.7 0.0 31.2



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: 48.982 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067047.D

Acq: 02 Oct 2020 20:32

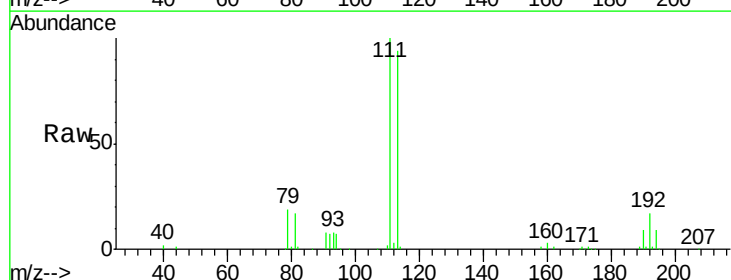
Tgt Ion:113 Resp: 291452

Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.4

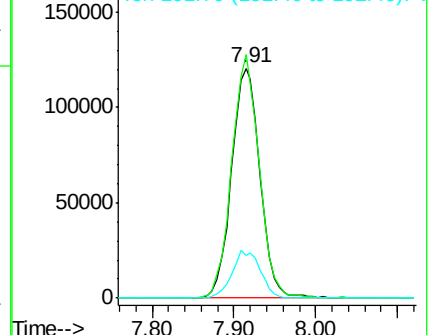
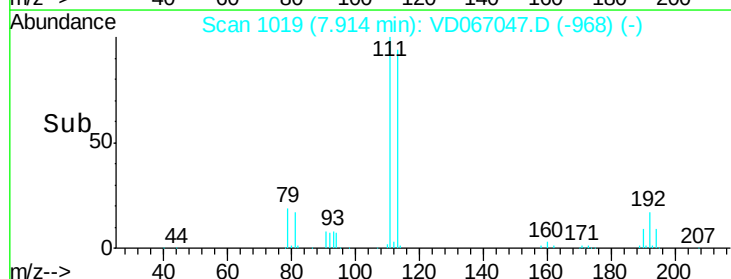
192 20.4 15.5 23.3

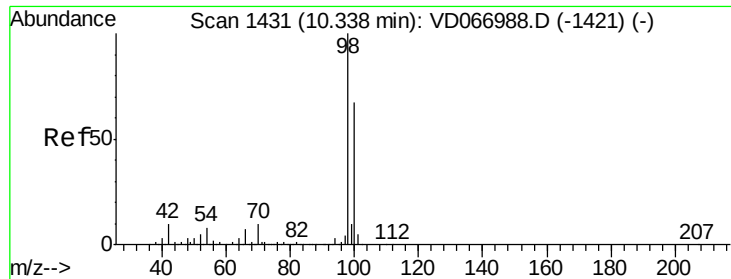


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

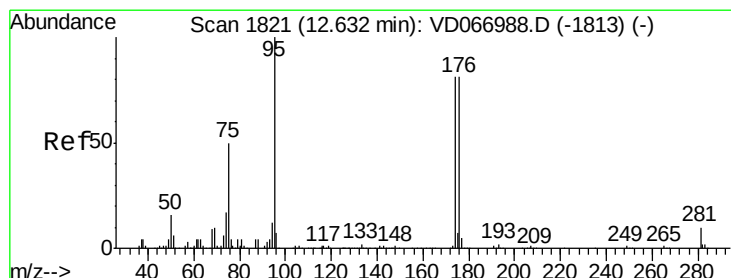
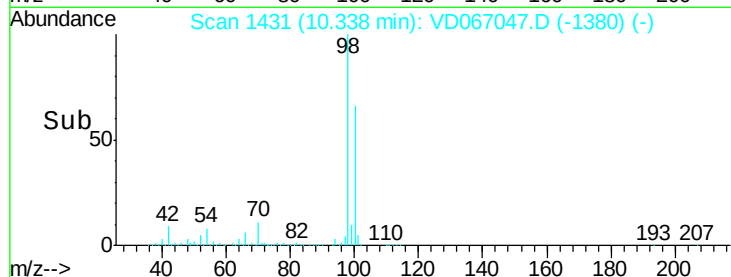
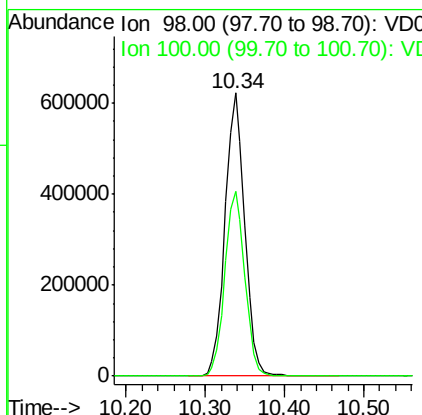
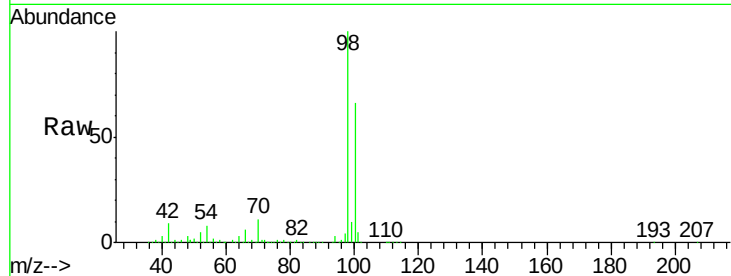




#50  
Toluene-d8  
Concen: 49.332 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. 0.00 min  
Lab File: VD067047.D  
Acq: 02 Oct 2020 20:32

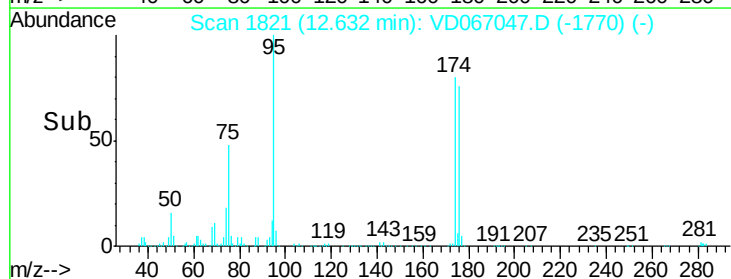
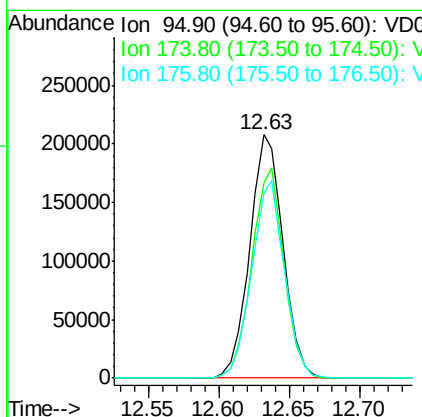
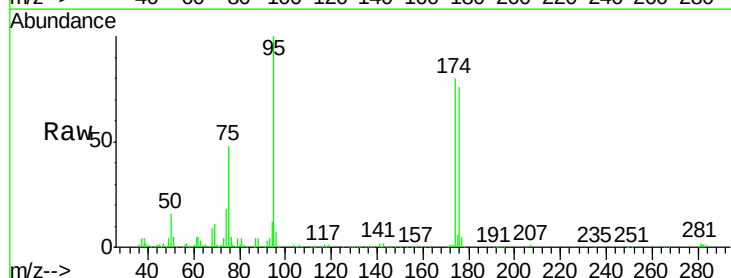
Instrument :  
MSVOA\_D  
ClientSampleId :  
TR-05-100120

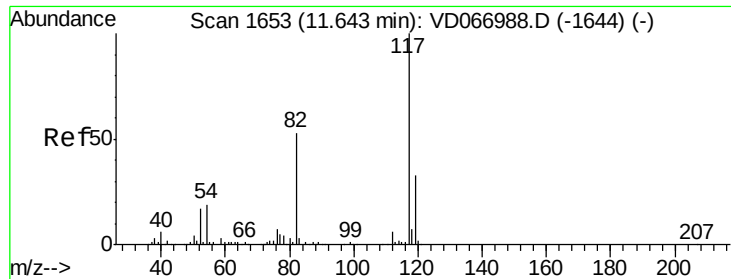
Tot Ion: 98 Resp: 1069619  
Ion Ratio Lower Upper  
98 100  
100 66.4 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 46.754 ug/l  
RT: 12.63 min Scan# 1821  
Delta R.T. 0.00 min  
Lab File: VD067047.D  
Acq: 02 Oct 2020 20:32

Tgt Ion: 95 Resp: 344131  
Ion Ratio Lower Upper  
95 100  
174 83.7 0.0 167.6  
176 79.9 0.0 162.4

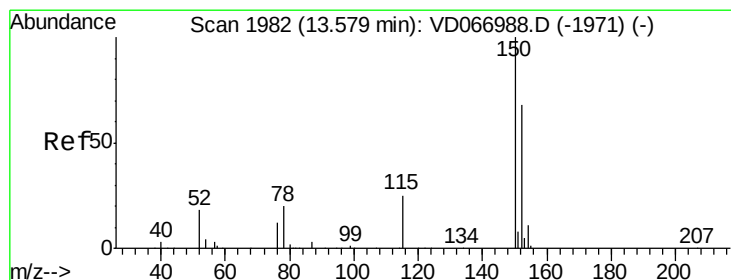
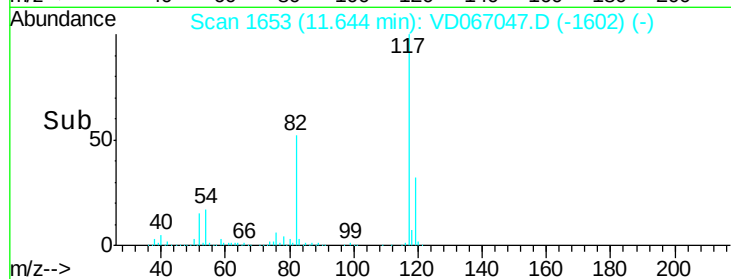
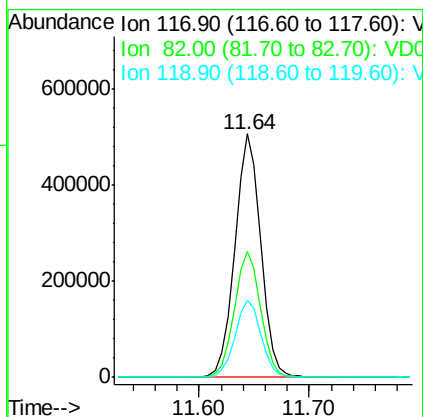
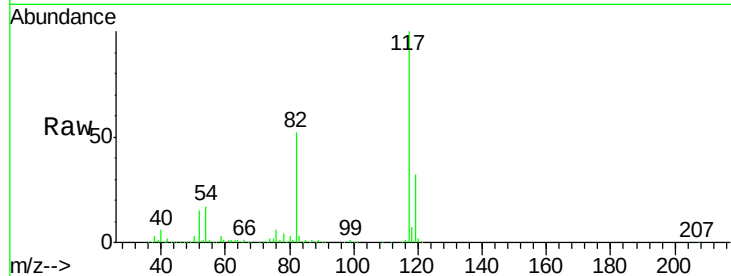




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD067047.D  
Acq: 02 Oct 2020 20:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
TR-05-100120

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.8  | 42.6  | 63.8  |
| 119     | 31.6  | 26.3  | 39.5  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VD067047.D  
Acq: 02 Oct 2020 20:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.6  | 29.6  | 88.8  |
| 150     | 157.7 | 0.0   | 344.8 |

