

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111920\  
 Data File : VD067704.D  
 Acq On : 19 Nov 2020 13:21  
 Operator : VA/SY  
 Sample : L4802-02  
 Misc : 5.84G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 FK-GF-02-064-A

Quant Time: Nov 20 00:58:38 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      | 7.98  | 168  | 279857   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 427309   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 454600   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 232255   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.34   | 65  | 126737   | 51.79 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.58% |      |
| 35) Dibromofluoromethane    | 7.92   | 113 | 128674   | 49.98 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.96%  |      |
| 50) Toluene-d8              | 10.34  | 98  | 503028   | 55.60 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 111.20% |      |
| 62) 4-Bromofluorobenzene    | 12.64  | 95  | 198553   | 63.57 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 127.14% |      |

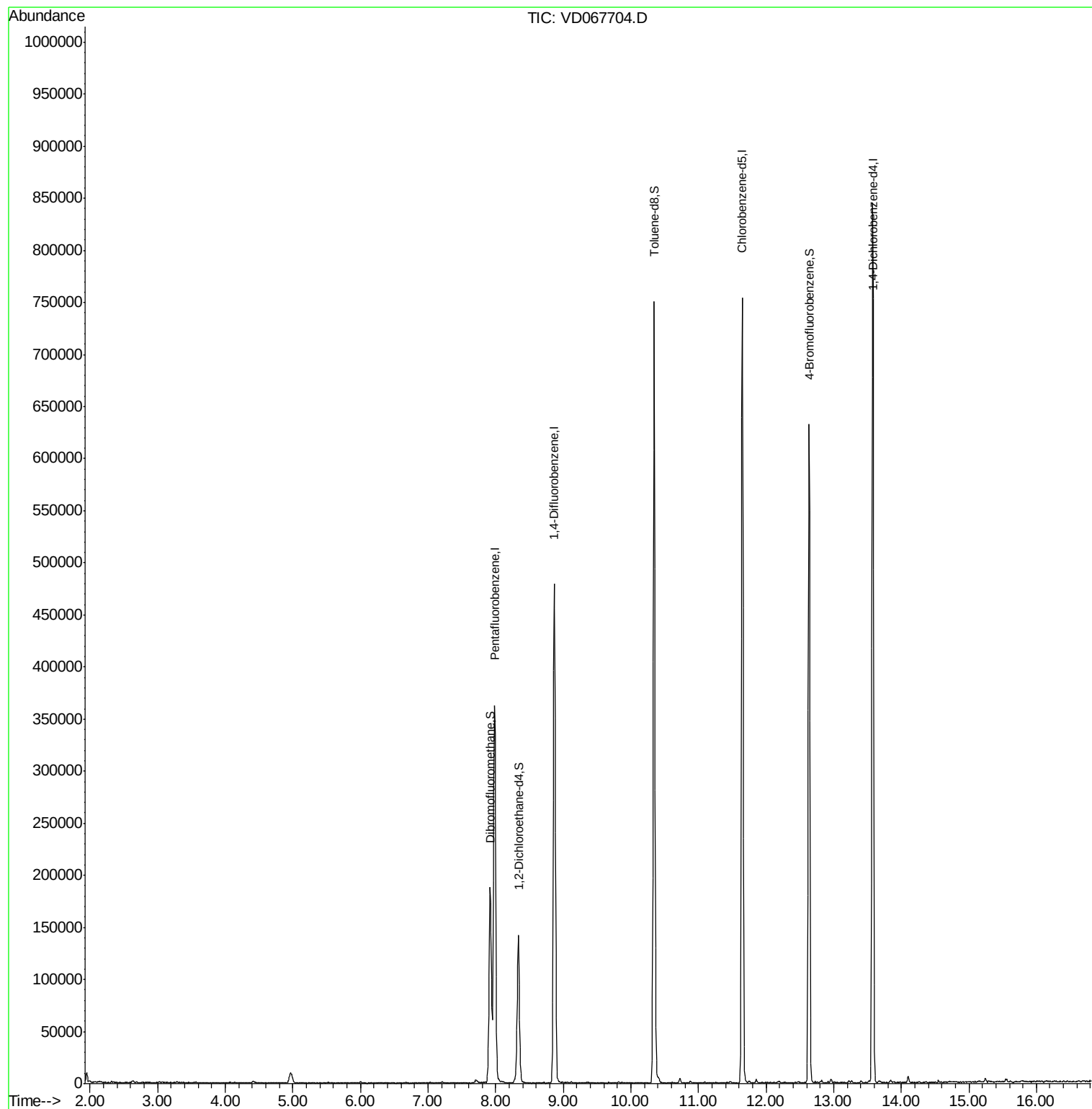
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

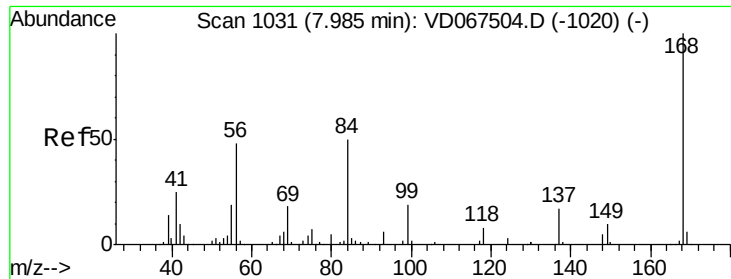
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067704.D

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Instrument :

MSVOA\_D

ClientSampleId :

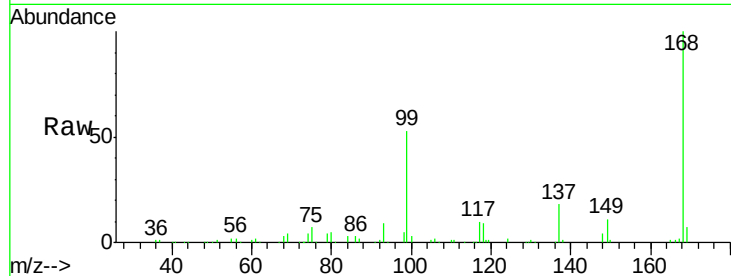
FK-GF-02-064-A

Tot Ion:168 Resp: 279857

Ion Ratio Lower Upper

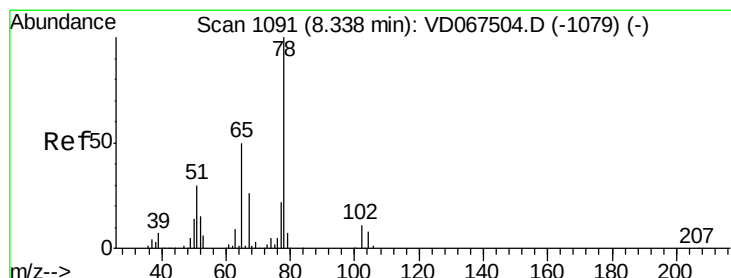
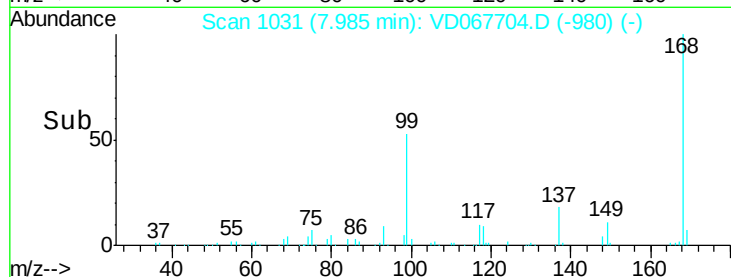
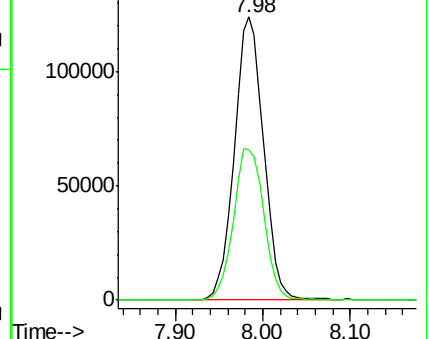
168 100

99 52.9 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: 51.792 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067704.D

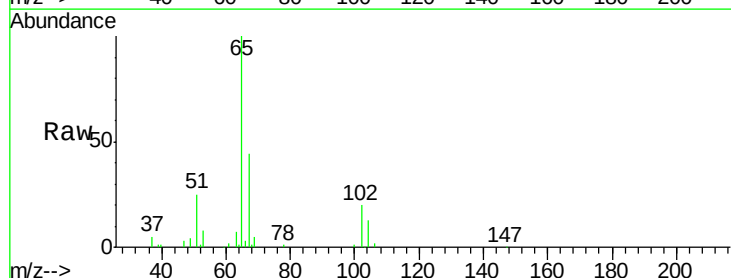
Acq: 19 Nov 2020 13:21

Tgt Ion: 65 Resp: 126737

Ion Ratio Lower Upper

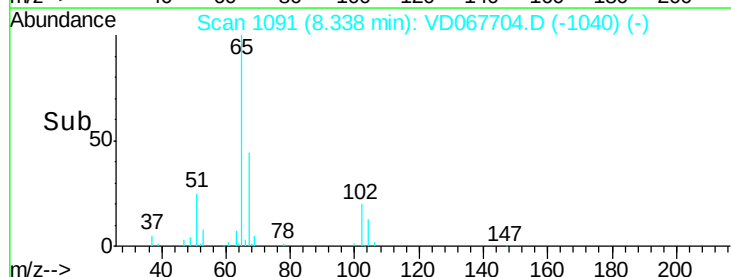
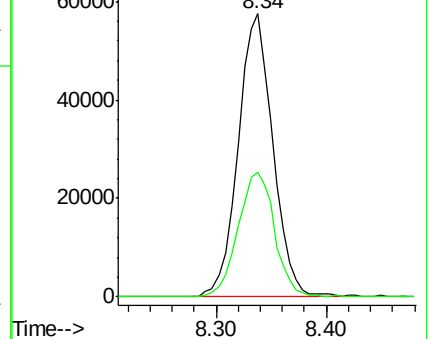
65 100

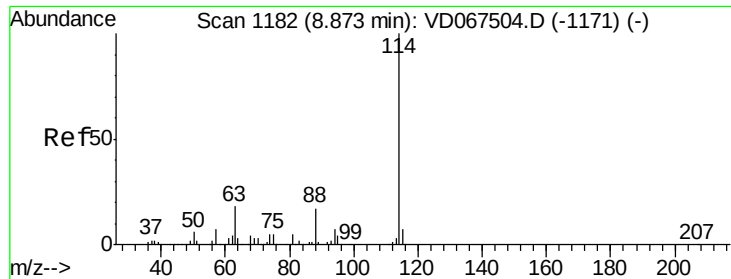
67 46.2 0.0 99.4



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# 1181

Delta R.T. -0.01 min

Lab File: VD067704.D

Acq: 19 Nov 2020 13:21

Instrument :

MSVOA\_D

ClientSampleId :

FK-GF-02-064-A

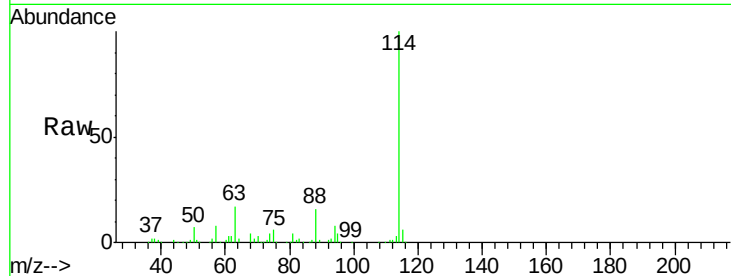
Tot Ion:114 Resp: 427309

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

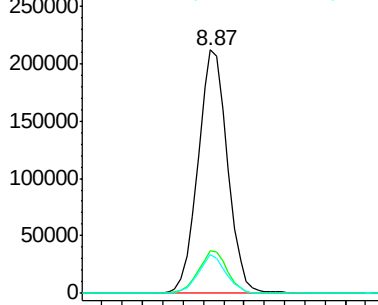
88 15.9 0.0 33.0



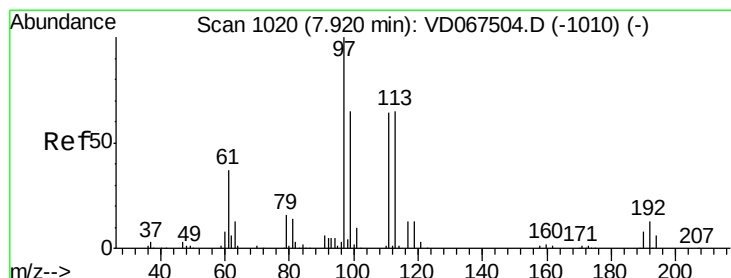
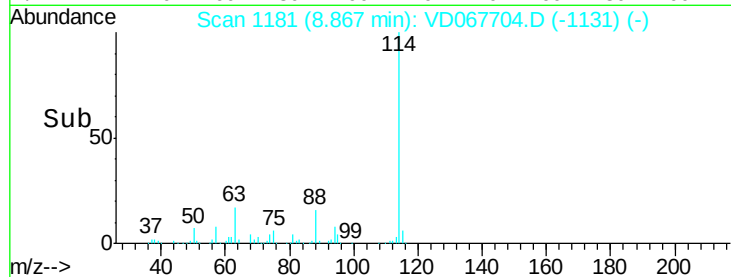
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



Time-->



#35

Dibromofluoromethane

Concen: 49.980 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067704.D

Acq: 19 Nov 2020 13:21

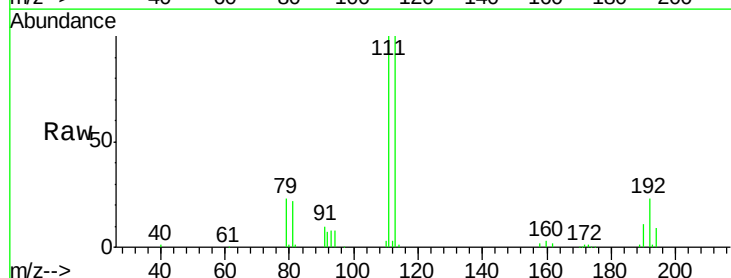
Tgt Ion:113 Resp: 128674

Ion Ratio Lower Upper

113 100

111 104.4 80.0 120.0

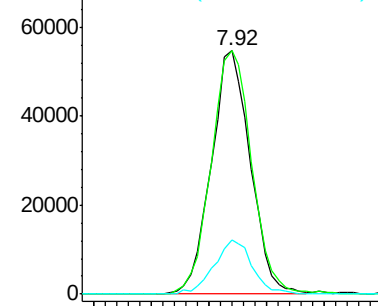
192 21.7 16.3 24.5



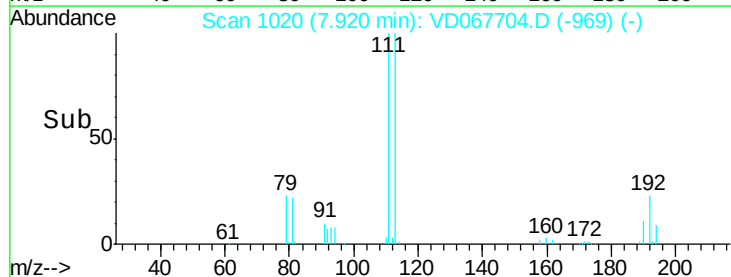
Abundance Ion 112.80 (112.50 to 113.50): V

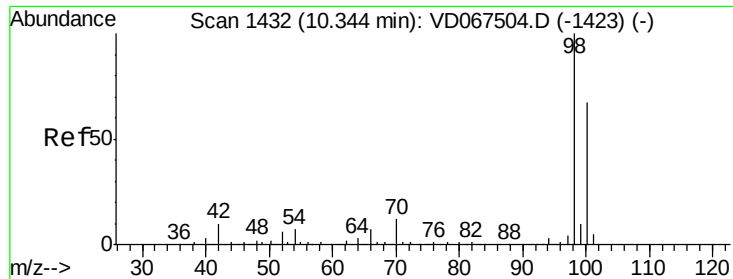
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->

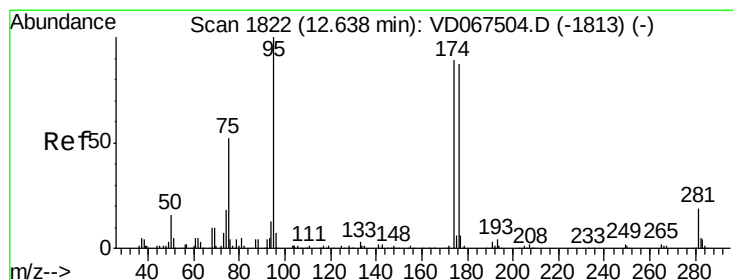
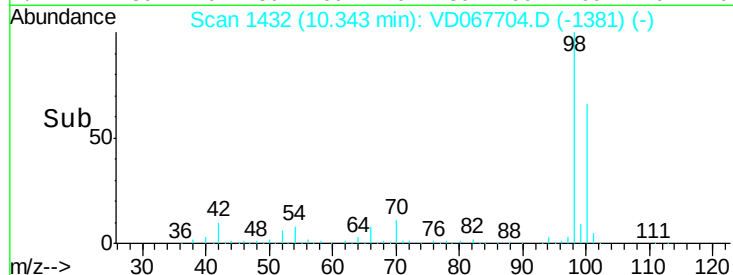
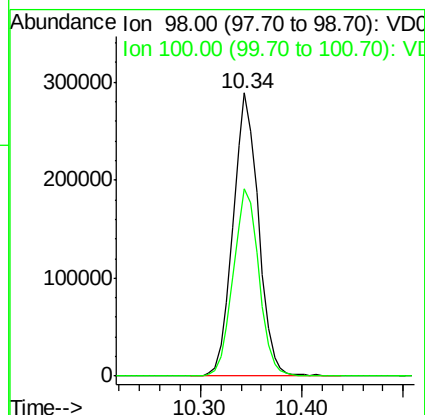
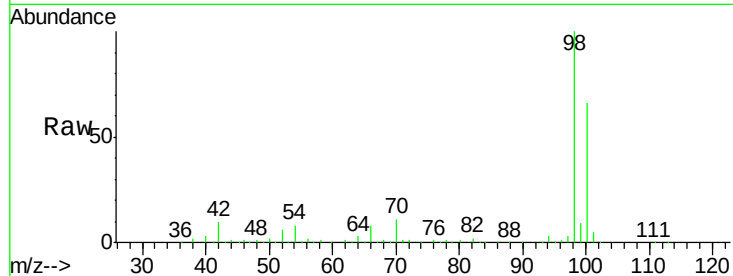




#50  
Toluene-d8  
Concen: 55.599 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: VD067704.D  
Acq: 19 Nov 2020 13:21

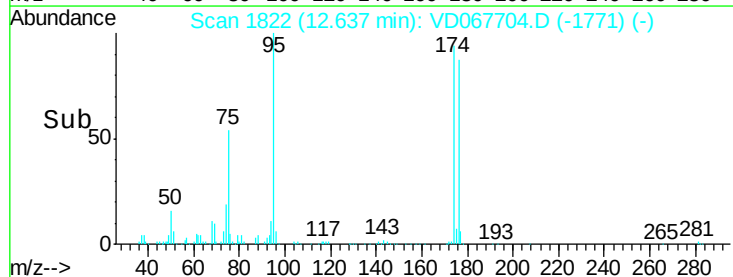
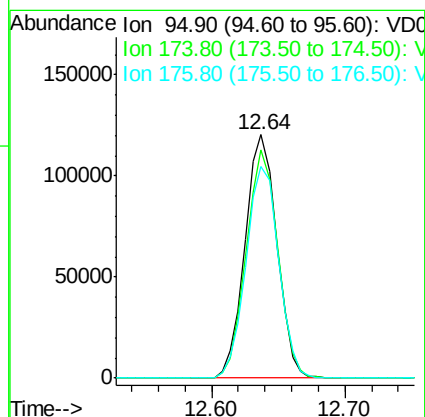
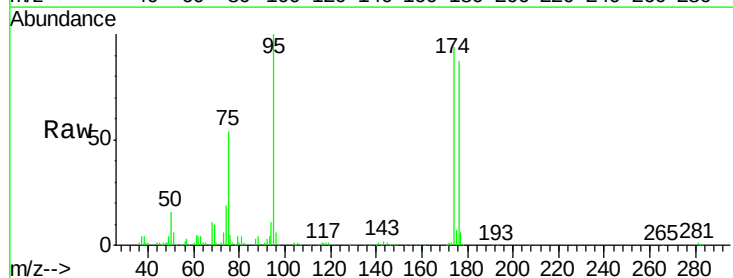
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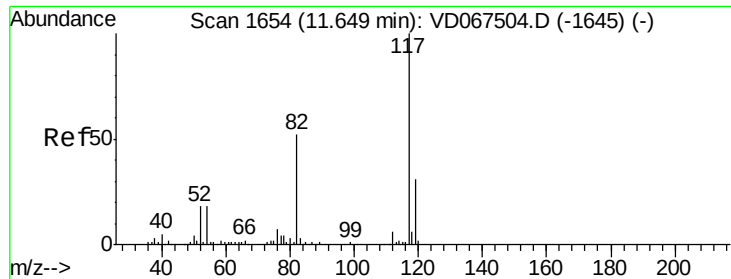
Tot Ion: 98 Resp: 503028  
Ion Ratio Lower Upper  
98 100  
100 67.2 53.0 79.6



#62  
4-Bromofluorobenzene  
Concen: 63.565 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. -0.00 min  
Lab File: VD067704.D  
Acq: 19 Nov 2020 13:21

Tgt Ion: 95 Resp: 198553  
Ion Ratio Lower Upper  
95 100  
174 93.0 0.0 177.8  
176 89.1 0.0 172.0

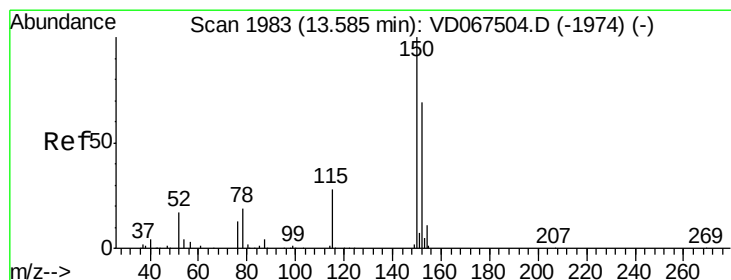
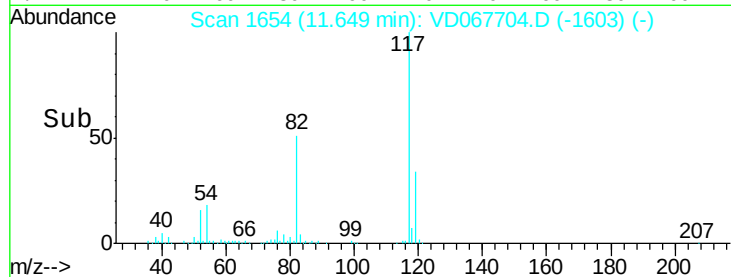
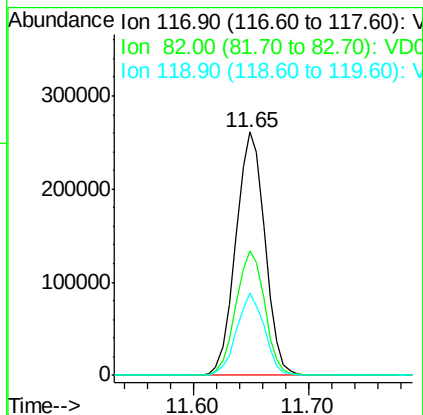
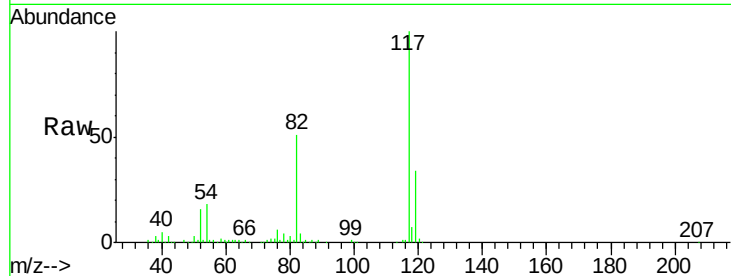




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD067704.D  
Acq: 19 Nov 2020 13:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
FK-GF-02-064-A

Tot Ion:117 Resp: 454600  
Ion Ratio Lower Upper  
117 100  
82 51.3 41.6 62.4  
119 34.0 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: VD067704.D  
Acq: 19 Nov 2020 13:21

Tgt Ion:152 Resp: 232255  
Ion Ratio Lower Upper  
152 100  
115 58.4 29.3 88.0  
150 158.7 0.0 338.2

