

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111920\  
 Data File : VD067709.D  
 Acq On : 19 Nov 2020 15:37  
 Operator : VA/SY  
 Sample : L4806-02  
 Misc : 6.13G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 FK-BPM-03-018-ABCD

Quant Time: Nov 20 01:11:10 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  | 271577   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 417056   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 449243   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 240221   | 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   | 121636   | 51.22 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.44% |          |
| 35) Dibromofluoromethane    | 7.92  | 113  | 128793   | 51.26 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.52% |          |
| 50) Toluene-d8              | 10.34 | 98   | 494939   | 56.05 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 112.10% |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 201665   | 66.15 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 132.30% |          |

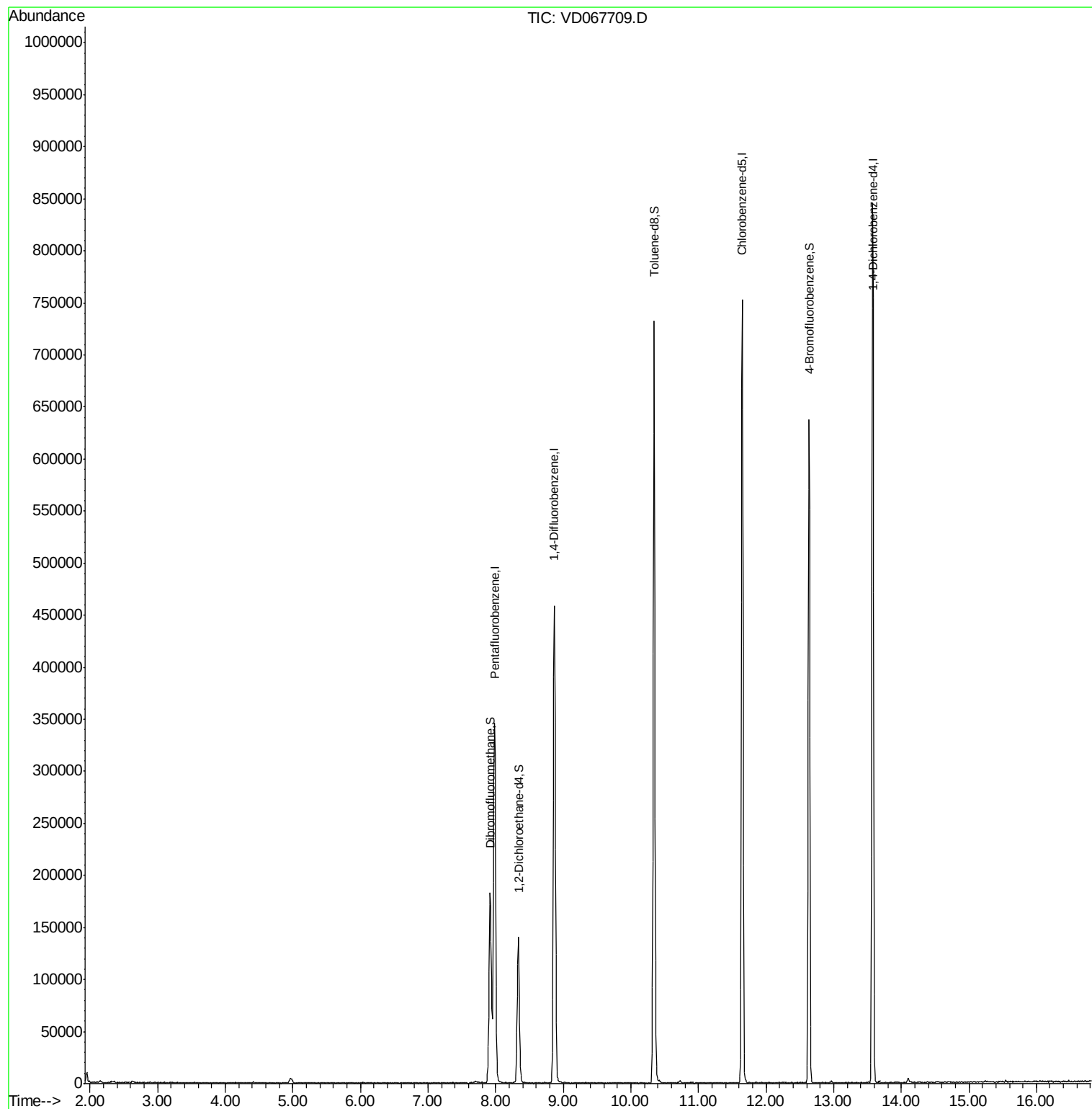
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

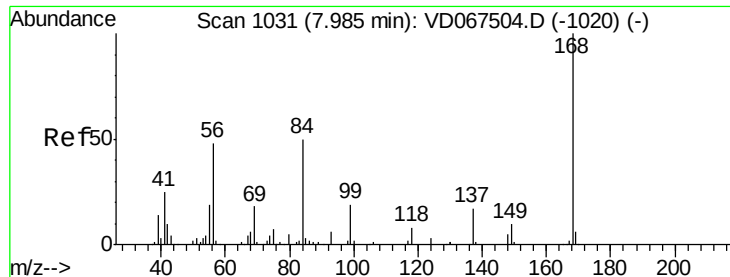
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111920\  
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FK-BPM-03-018-ABCD

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110320S.M  
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: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067709.D

Acq: 19 Nov 2020 15:37

Instrument :

MSVOA\_D

ClientSampleId :

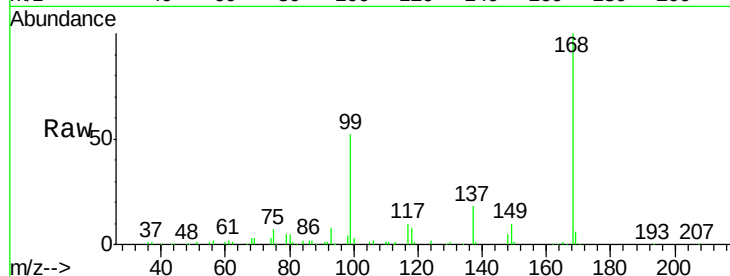
FK-BPM-03-018-ABCD

Tot Ion:168 Resp: 271577

Ion Ratio Lower Upper

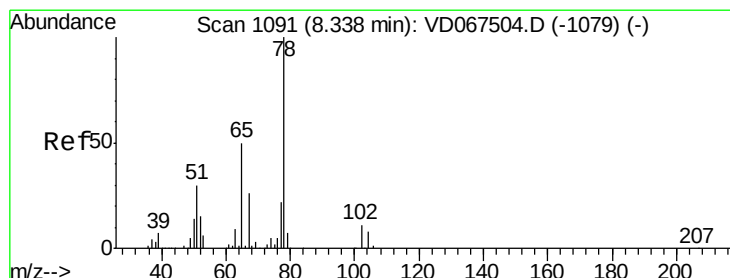
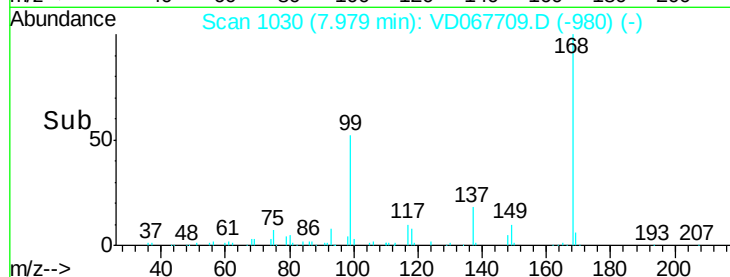
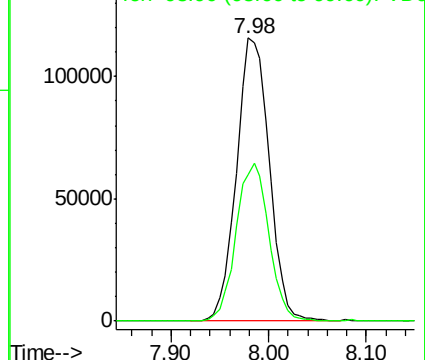
168 100

99 52.0 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: 51.223 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067709.D

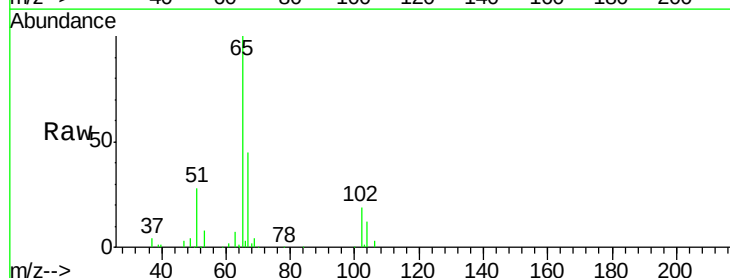
Acq: 19 Nov 2020 15:37

Tgt Ion: 65 Resp: 121636

Ion Ratio Lower Upper

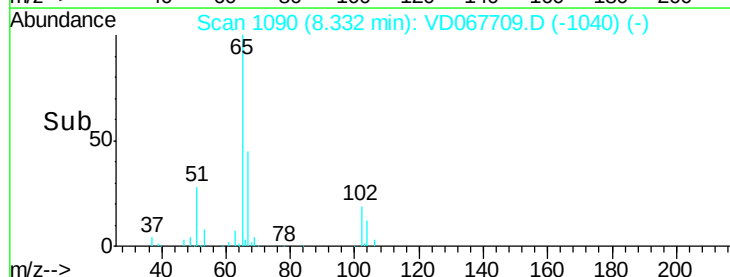
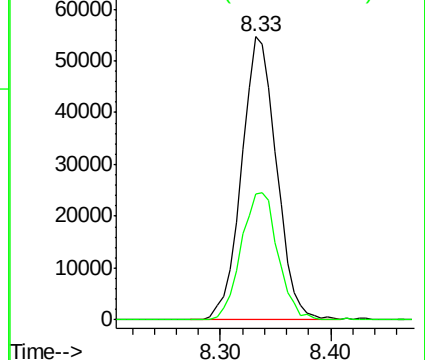
65 100

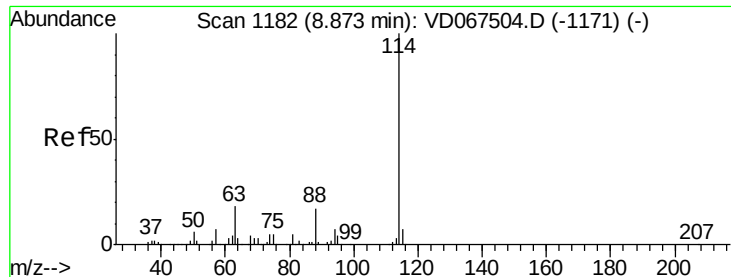
67 47.1 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

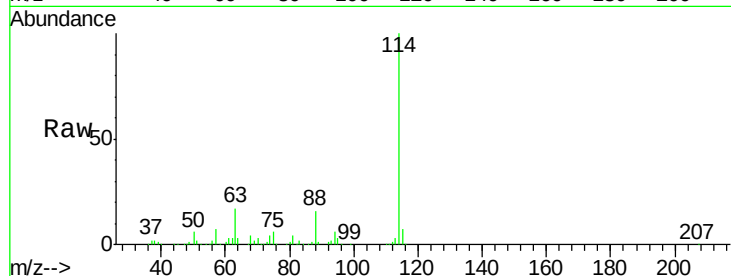




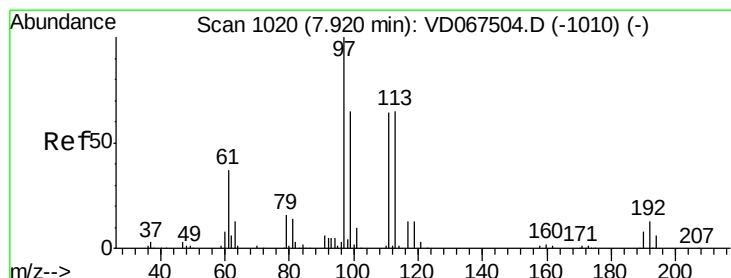
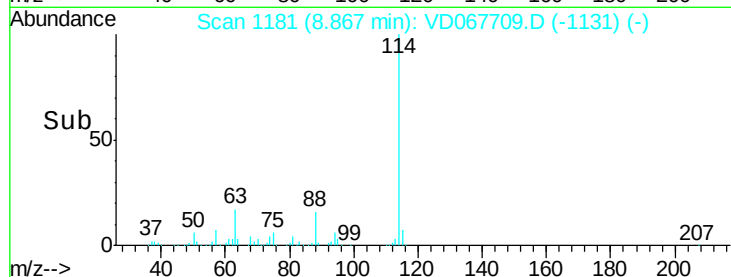
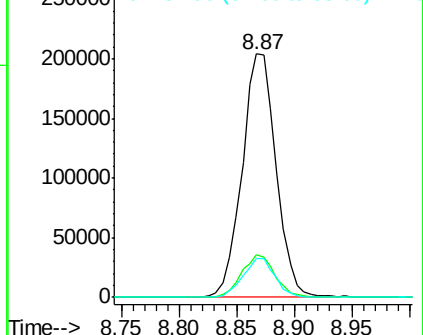
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.87 min Scan# 1181  
Delta R.T. -0.01 min  
Lab File: VD067709.D  
Acq: 19 Nov 2020 15:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
FK-BPM-03-018-ABCD

Tot Ion:114 Resp: 417056  
Ion Ratio Lower Upper  
114 100  
63 17.4 0.0 35.0  
88 15.9 0.0 33.0

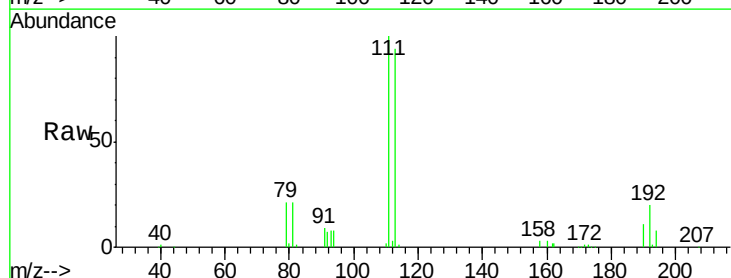


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): V  
Ion 87.90 (87.60 to 88.60): V

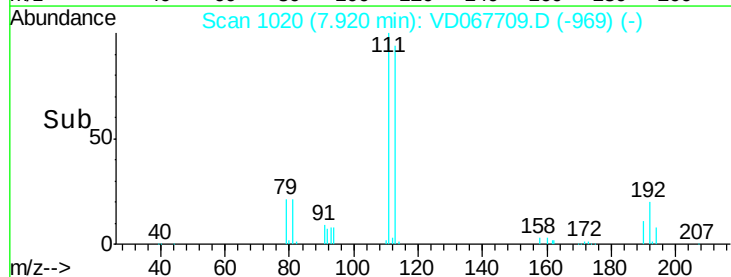
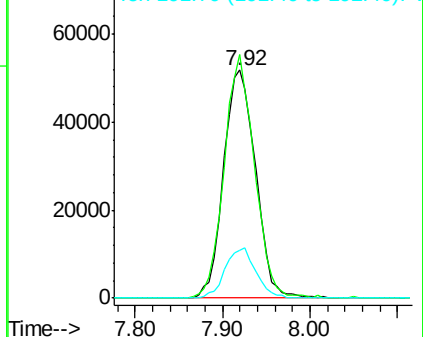


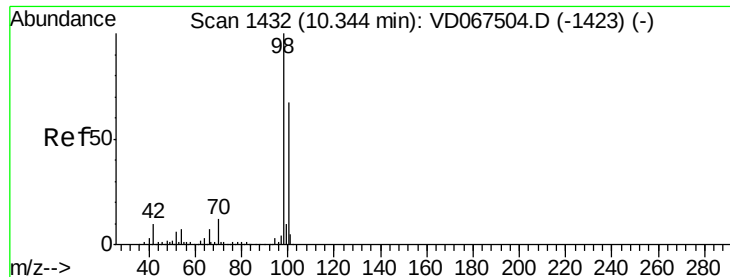
#35  
Dibromofluoromethane  
Concen: 51.256 ug/l  
RT: 7.92 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: VD067709.D  
Acq: 19 Nov 2020 15:37

Tgt Ion:113 Resp: 128793  
Ion Ratio Lower Upper  
113 100  
111 101.6 80.0 120.0  
192 21.1 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: 56.049 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067709.D

Acq: 19 Nov 2020 15:37

Instrument :

MSVOA\_D

ClientSampleId :

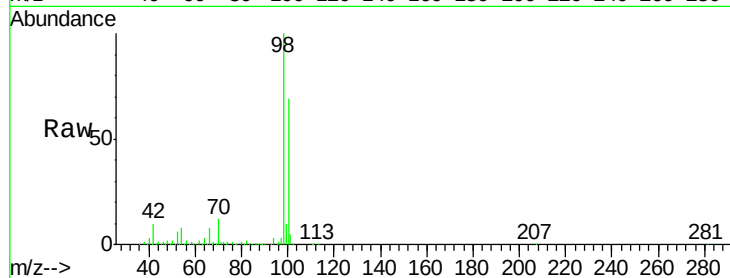
FK-BPM-03-018-ABCD

Tot Ion: 98 Resp: 494939

Ion Ratio Lower Upper

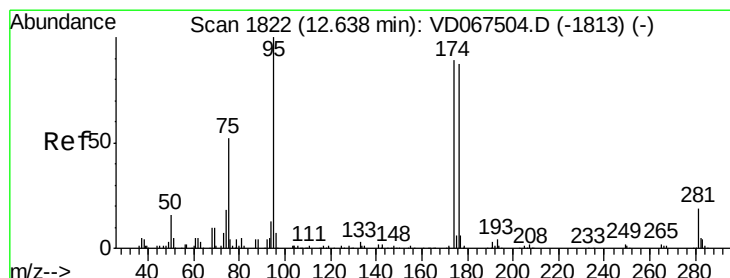
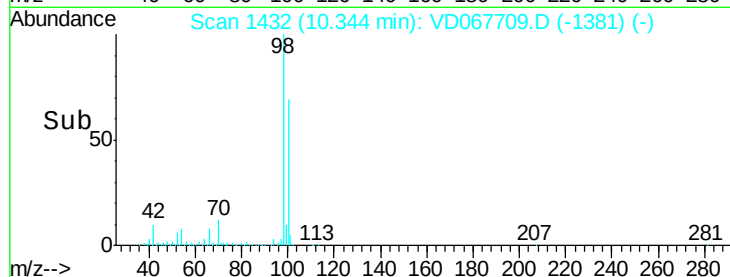
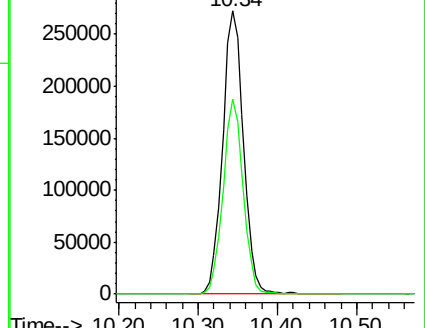
98 100

100 66.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VD067504.D (-1423) (-)

Ion 100.00 (99.70 to 100.70): VD067504.D (-1423) (-)



#62

4-Bromofluorobenzene

Concen: 66.149 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067709.D

Acq: 19 Nov 2020 15:37

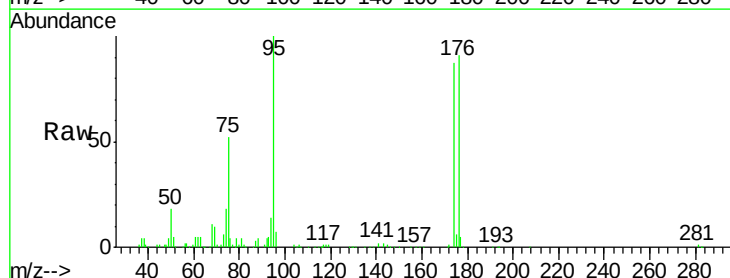
Tgt Ion: 95 Resp: 201665

Ion Ratio Lower Upper

95 100

174 89.4 0.0 177.8

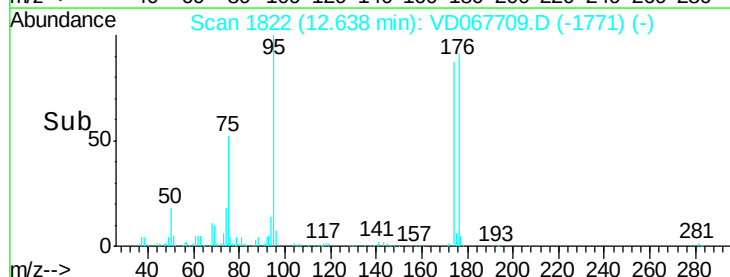
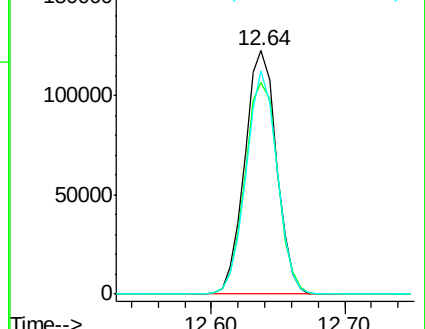
176 88.7 0.0 172.0

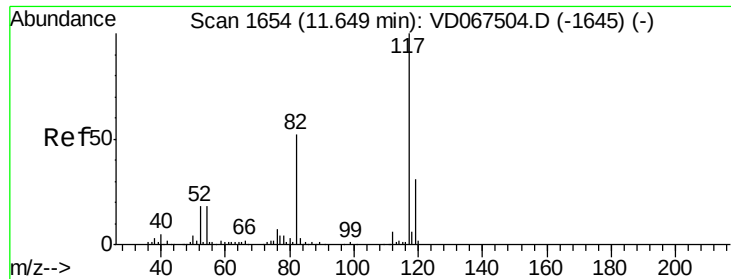


Abundance Ion 94.90 (94.60 to 95.60): VD067504.D (-1813) (-)

Ion 173.80 (173.50 to 174.50): VD067504.D (-1813) (-)

Ion 175.80 (175.50 to 176.50): VD067504.D (-1813) (-)

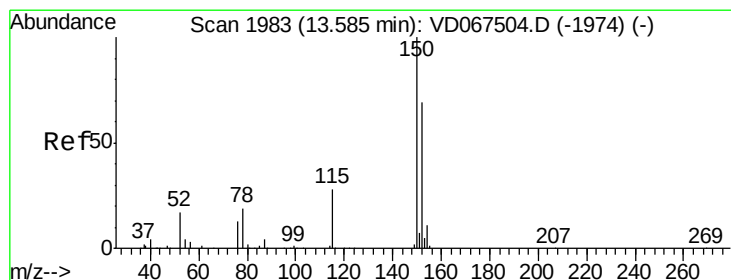
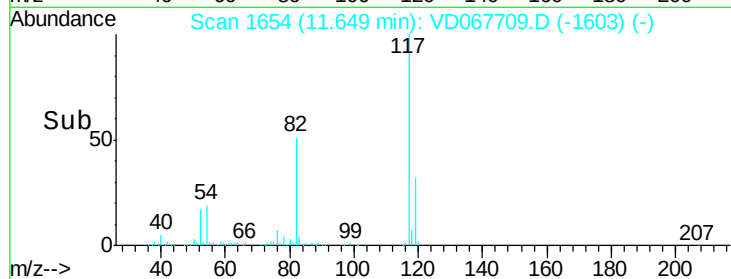
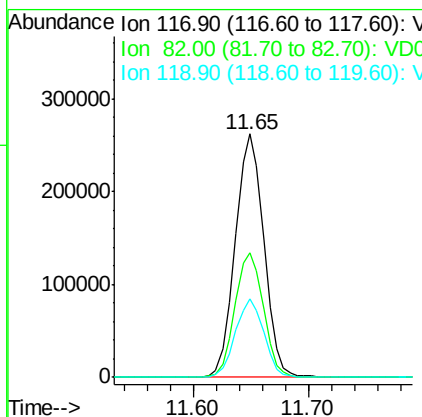
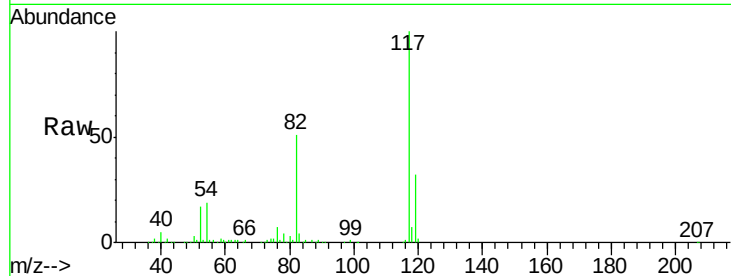




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD067709.D  
Acq: 19 Nov 2020 15:37

Instrument :  
MSVOA\_D  
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FK-BPM-03-018-ABCD

Tot Ion:117 Resp: 449243  
Ion Ratio Lower Upper  
117 100  
82 51.3 41.6 62.4  
119 32.2 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: VD067709.D  
Acq: 19 Nov 2020 15:37

Tgt Ion:152 Resp: 240221  
Ion Ratio Lower Upper  
152 100  
115 58.2 29.3 88.0  
150 157.0 0.0 338.2

