

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102220\  
 Data File : VD067366.D  
 Acq On : 22 Oct 2020 17:01  
 Operator : VA/SY  
 Sample : L4494-01  
 Misc : 12.40G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 AB-EH

Quant Time: Oct 23 06:21:48 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      | 7.98  | 168  | 305877   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 493773   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 476918   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 216167   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.33   | 65  | 165131   | 53.89 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.78% |      |
| 35) Dibromofluoromethane    | 7.92   | 113 | 165171   | 50.26 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.52% |      |
| 50) Toluene-d8              | 10.34  | 98  | 585742   | 49.26 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.52%  |      |
| 62) 4-Bromofluorobenzene    | 12.64  | 95  | 198203   | 47.93 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.86%  |      |

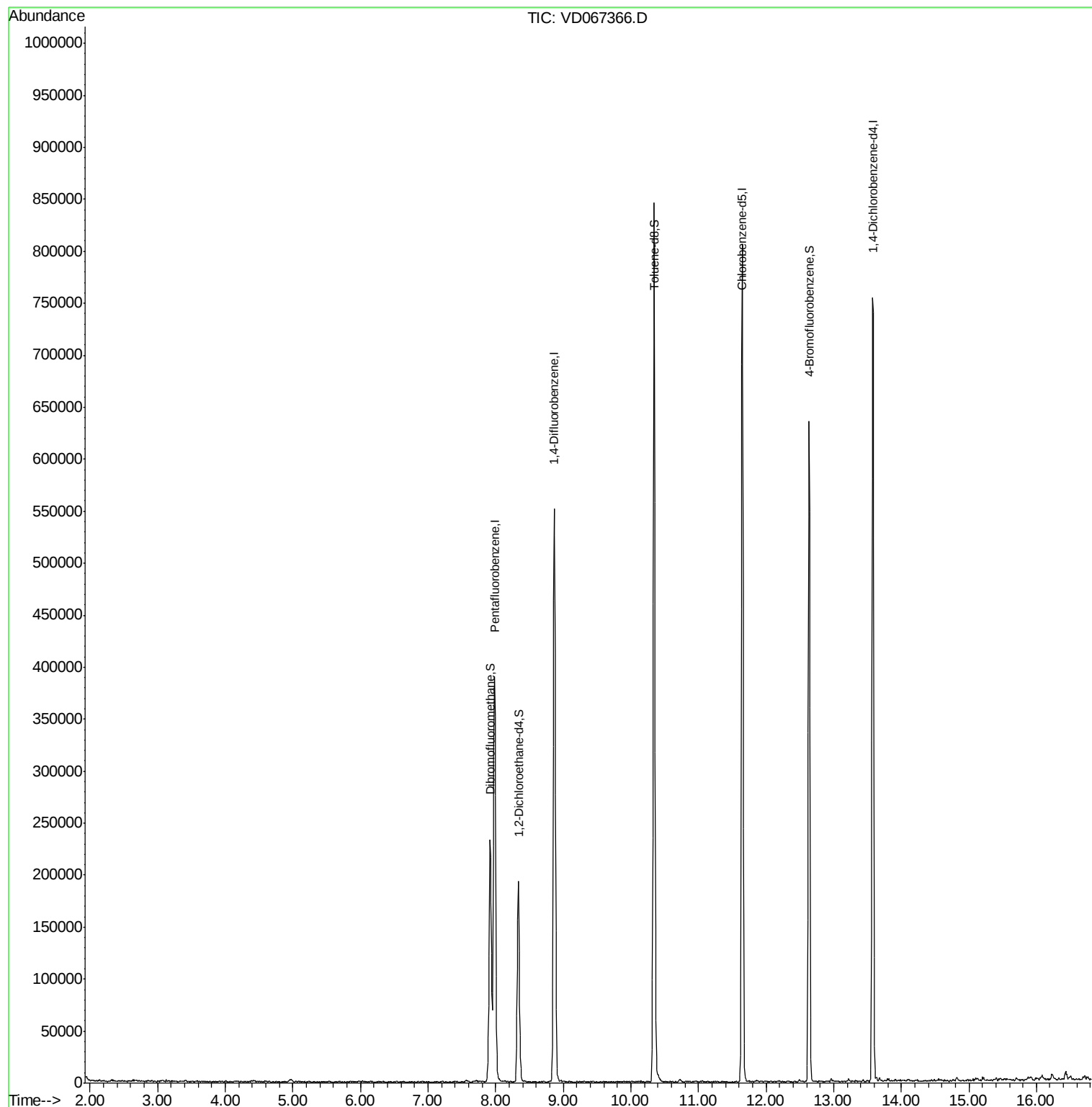
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

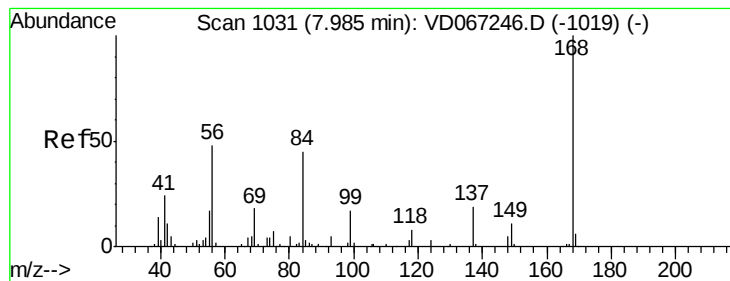
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
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AB-EH

Quant Time: Oct 23 06:21:48 2020  
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Quant Title : SW846 8260  
QLast Update : Mon Oct 19 19:13:29 2020  
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: VD067366.D

Acq: 22 Oct 2020 17:01

Instrument :

MSVOA\_D

ClientSampleId :

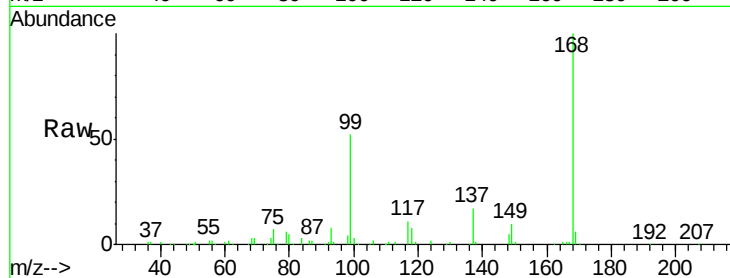
AB-EH

Tot Ion:168 Resp: 305877

Ion Ratio Lower Upper

168 100

99 51.7 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

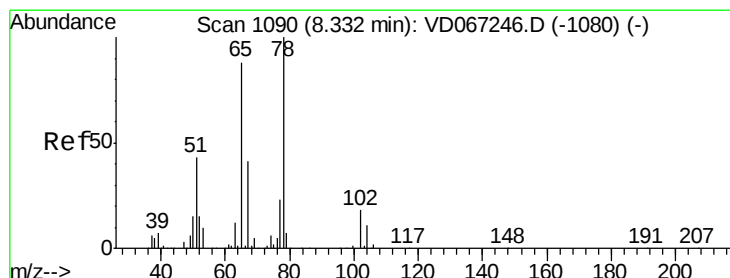
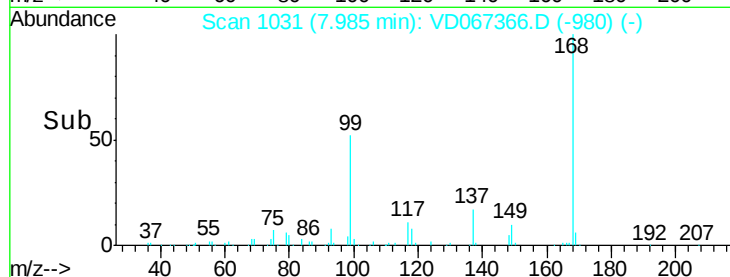
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.886 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067366.D

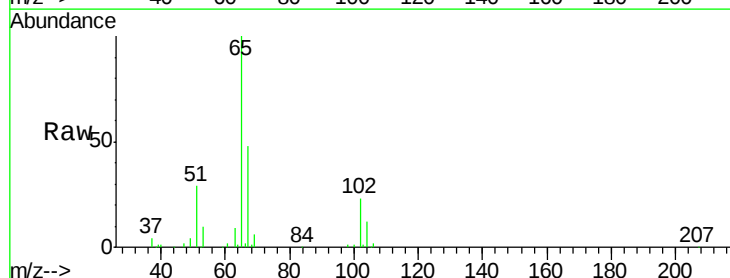
Acq: 22 Oct 2020 17:01

Tgt Ion: 65 Resp: 165131

Ion Ratio Lower Upper

65 100

67 49.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

80000

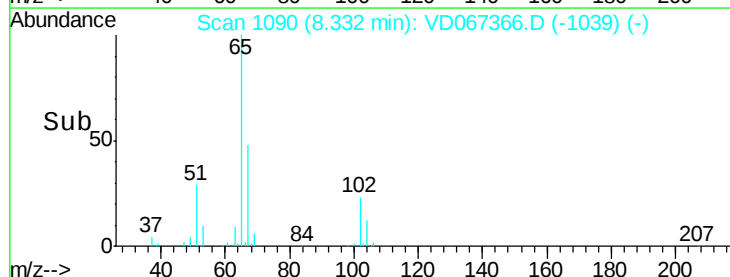
60000

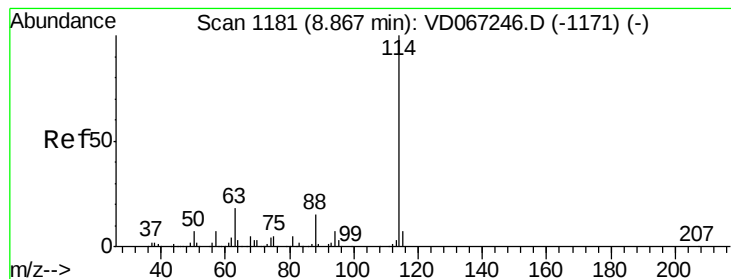
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067366.D

Acq: 22 Oct 2020 17:01

Instrument :

MSVOA\_D

ClientSampleId :

AB-EH

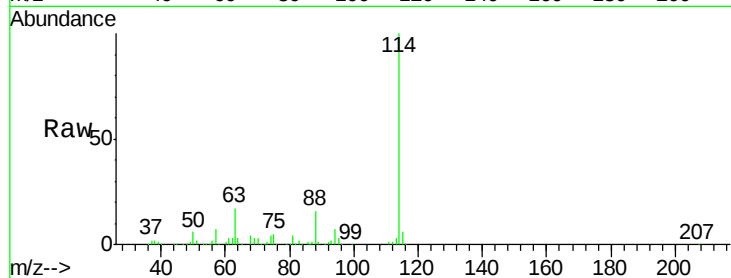
Tot Ion:114 Resp: 493773

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

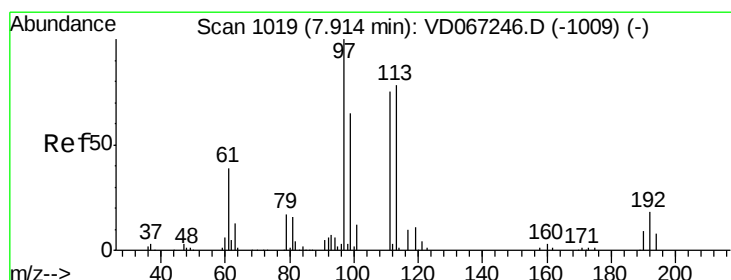
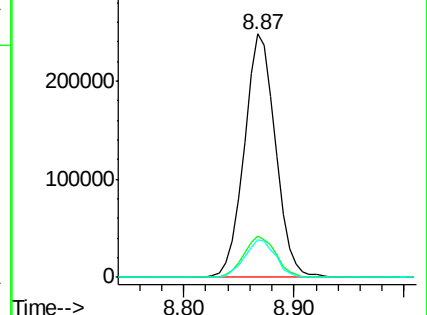
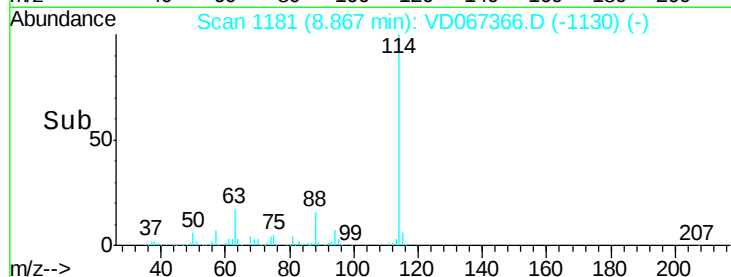
88 15.6 0.0 30.6



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: 50.264 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067366.D

Acq: 22 Oct 2020 17:01

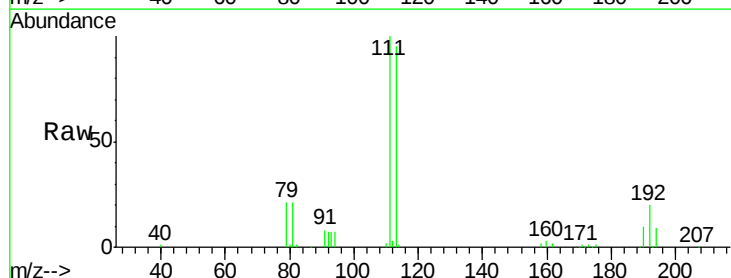
Tgt Ion:113 Resp: 165171

Ion Ratio Lower Upper

113 100

111 100.3 81.6 122.4

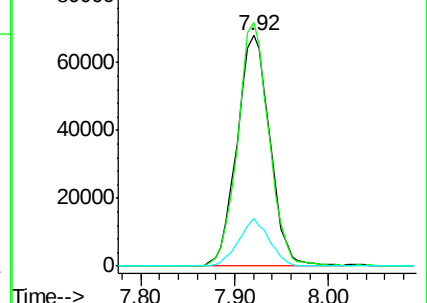
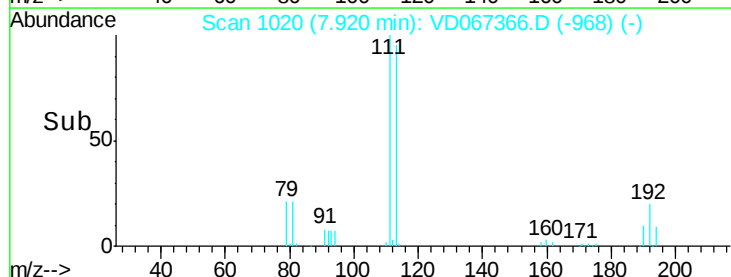
192 19.2 17.0 25.4

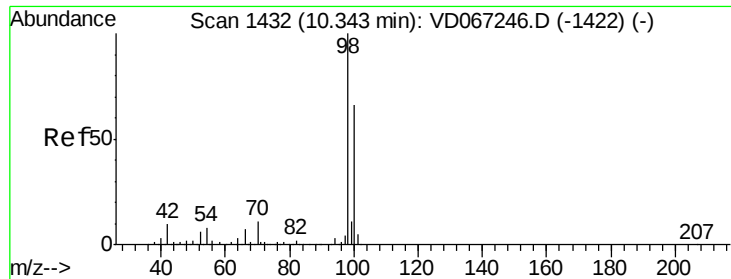


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.255 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067366.D

Acq: 22 Oct 2020 17:01

Instrument :

MSVOA\_D

ClientSampleId :

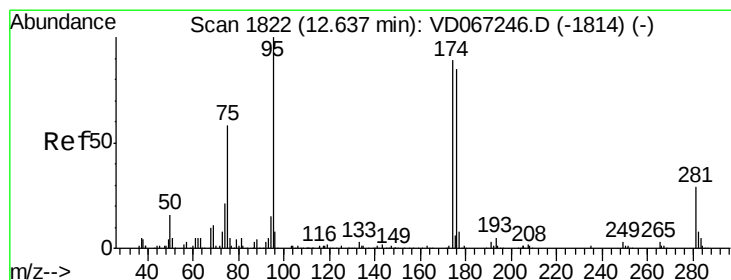
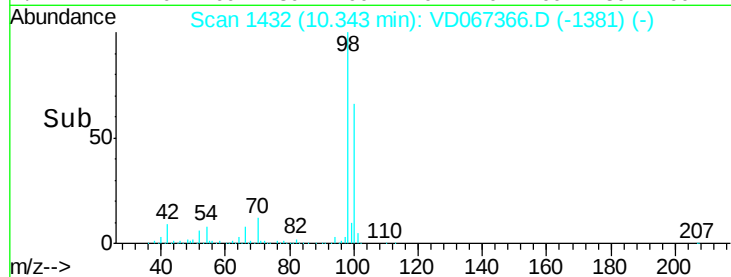
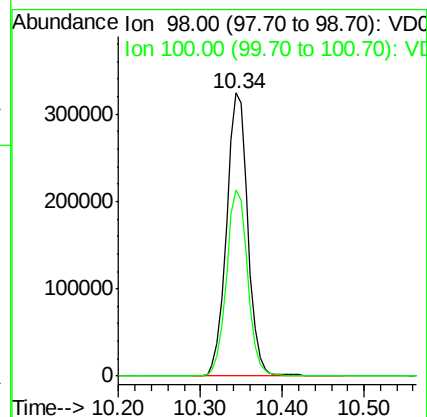
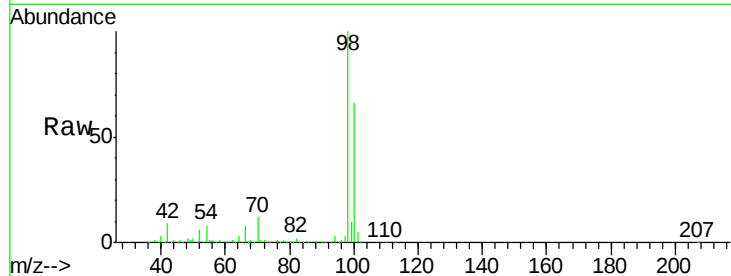
AB-EH

Tot Ion: 98 Resp: 585742

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 47.932 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067366.D

Acq: 22 Oct 2020 17:01

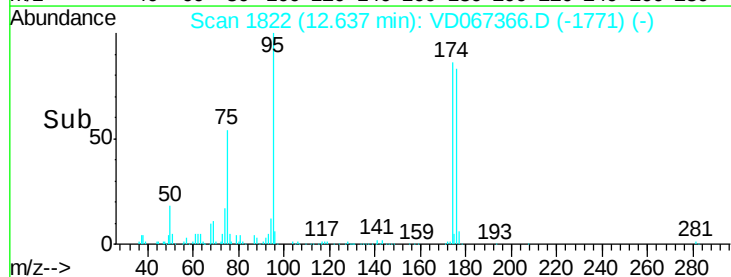
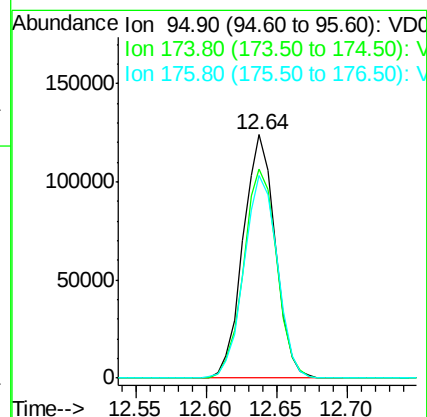
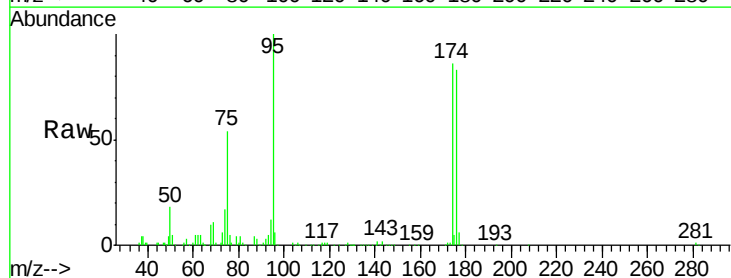
Tgt Ion: 95 Resp: 198203

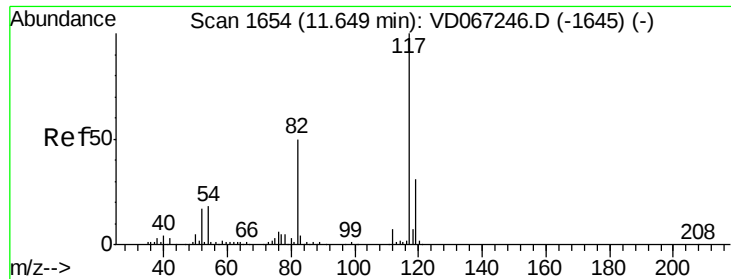
Ion Ratio Lower Upper

95 100

174 88.0 0.0 175.2

176 86.4 0.0 168.6

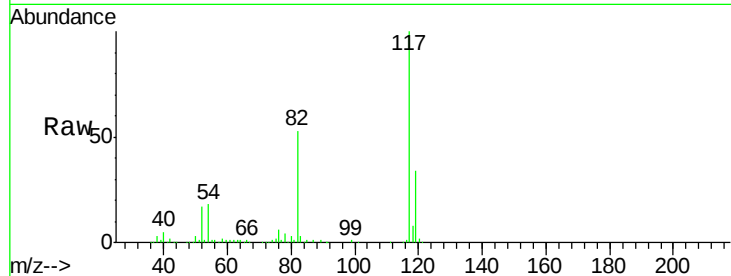




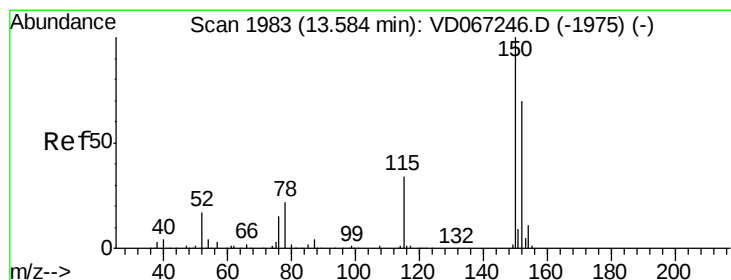
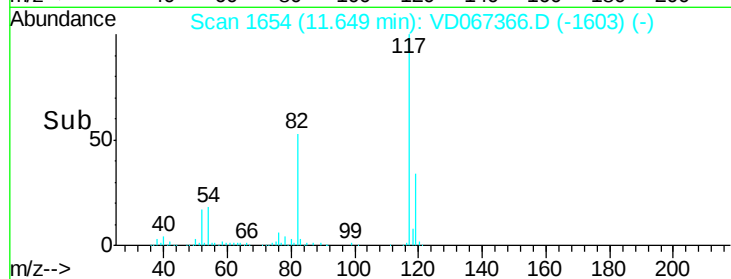
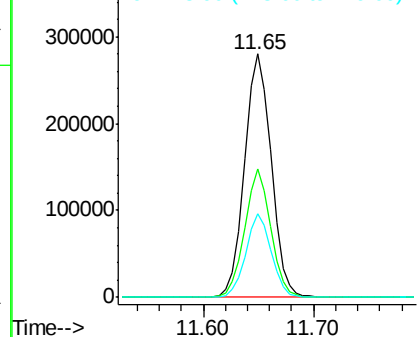
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD067366.D  
Acq: 22 Oct 2020 17:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
AB-EH

Tot Ion:117 Resp: 476918  
Ion Ratio Lower Upper  
117 100  
82 52.8 39.9 59.9  
119 34.1 24.9 37.3

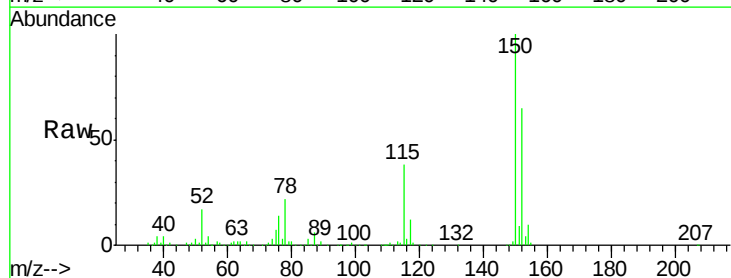


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.01 min  
Lab File: VD067366.D  
Acq: 22 Oct 2020 17:01

Tgt Ion:152 Resp: 216167  
Ion Ratio Lower Upper  
152 100  
115 58.7 29.3 87.9  
150 156.4 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

