

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111820\  
 Data File : VD067691.D  
 Acq On : 18 Nov 2020 17:40  
 Operator : VA/SY  
 Sample : L4787-08  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 BP-VPB178-DUP-20201116

Quant Time: Nov 19 01:12:48 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

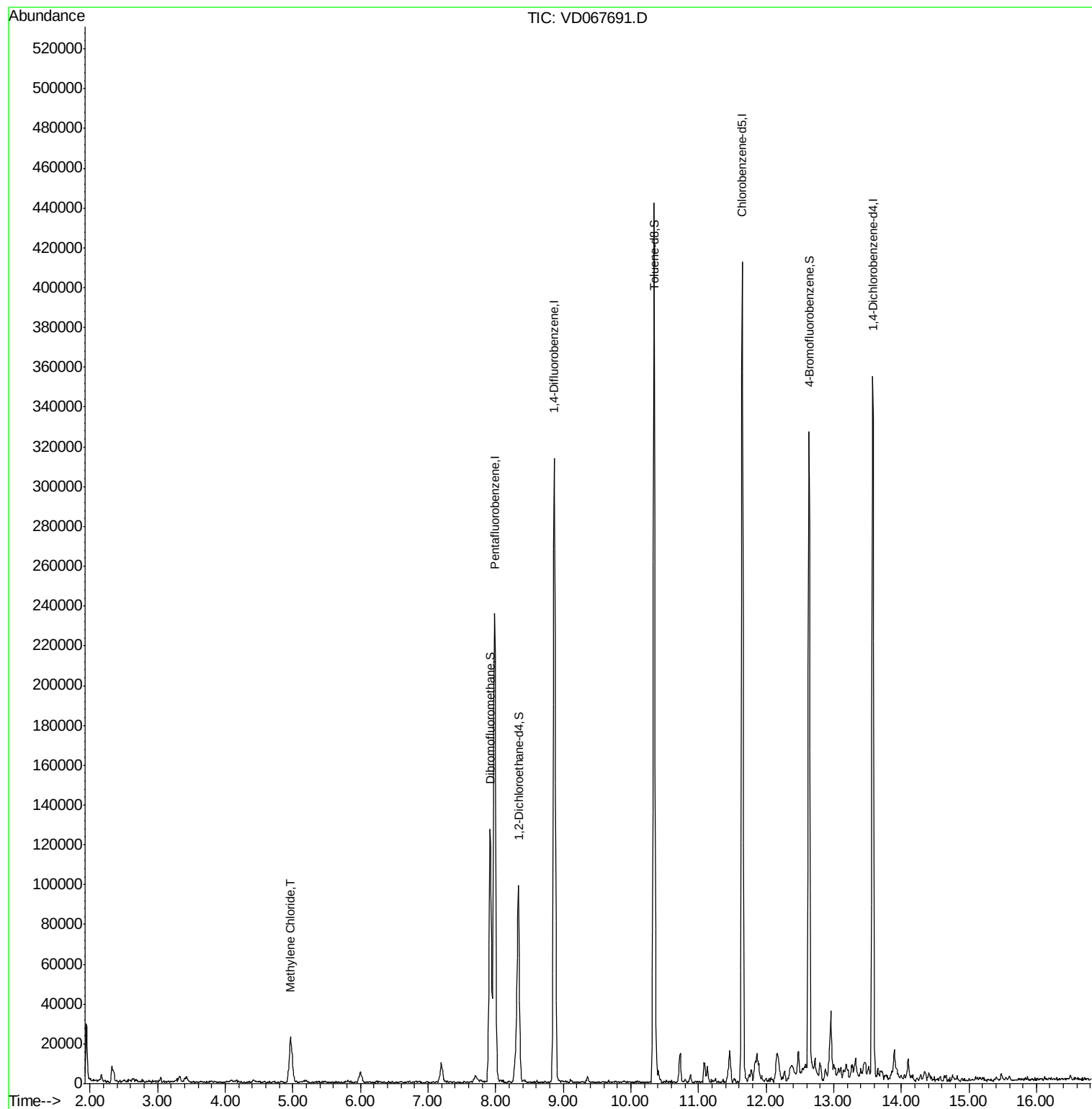
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 184345   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 281601   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 242314   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 98594    | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.34  | 65   | 87057    | 54.01  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.02% |           |
| 35) Dibromofluoromethane    | 7.92  | 113  | 87779    | 51.74  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.48% |           |
| 50) Toluene-d8              | 10.34 | 98   | 307239   | 51.53  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.06% |           |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 95967    | 46.62  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.24%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 20) Methylene Chloride      | 4.96  | 84   | 19476    | 11.430 | ug/l    | Qvalue 97 |

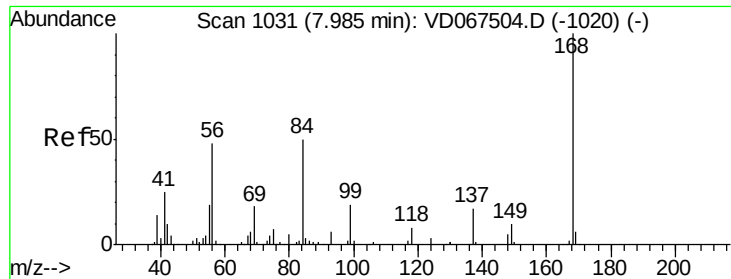
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1031

Delta R.T. -0.00 min

Lab File: VD067691.D

Acq: 18 Nov 2020 17:40

Instrument :

MSVOA\_D

ClientSampleId :

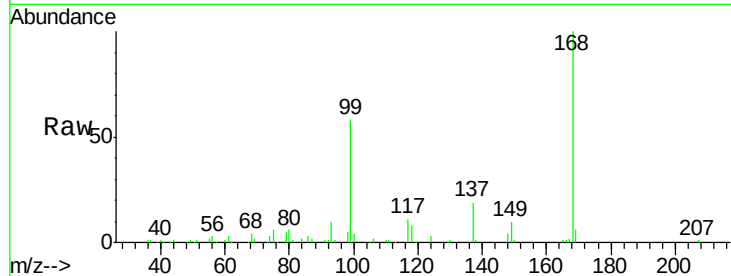
BP-VPB178-DUP-20201116

Tot Ion:168 Resp: 184345

Ion Ratio Lower Upper

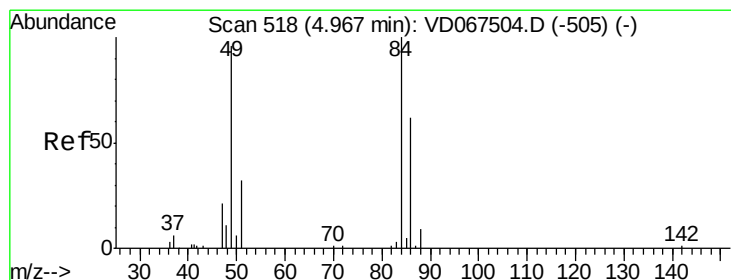
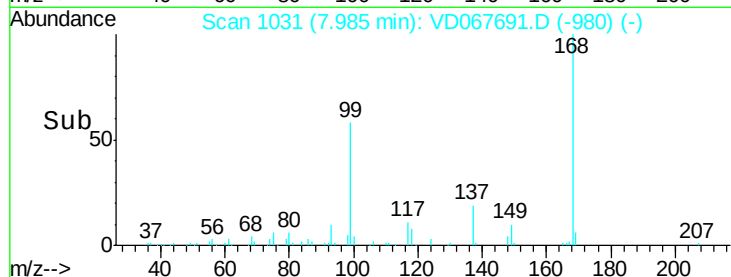
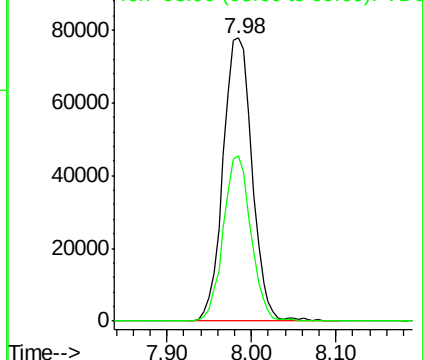
168 100

99 58.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#20

Methylene Chloride

Concen: 11.430 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD067691.D

Acq: 18 Nov 2020 17:40

Tgt Ion: 84 Resp: 19476

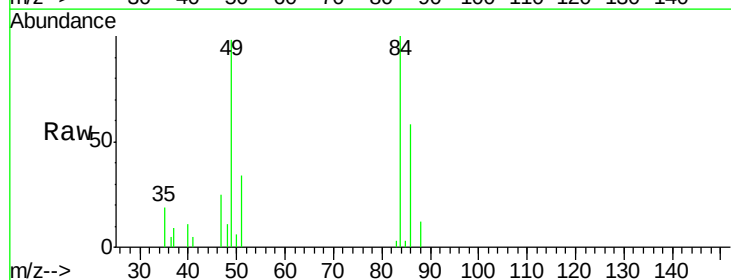
Ion Ratio Lower Upper

84 100

49 97.6 77.0 115.4

51 34.3 25.4 38.2

86 58.5 49.4 74.0

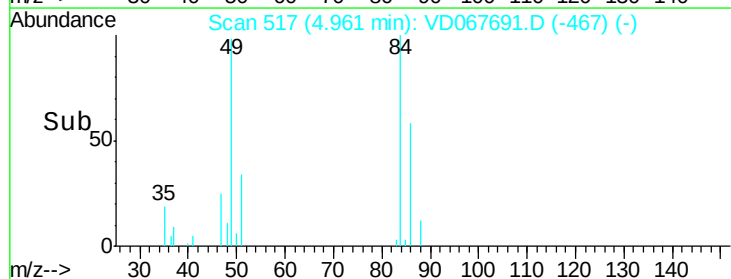
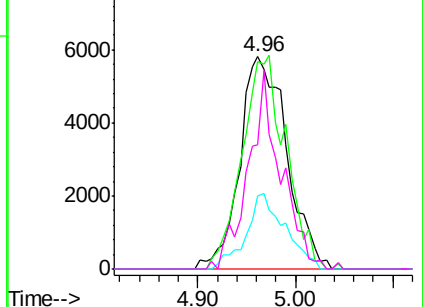


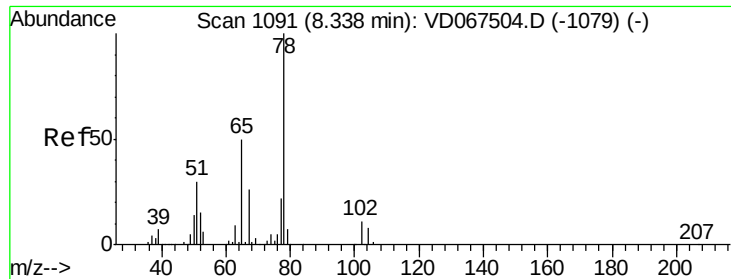
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

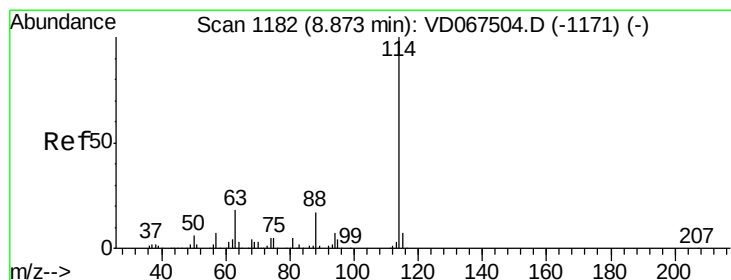
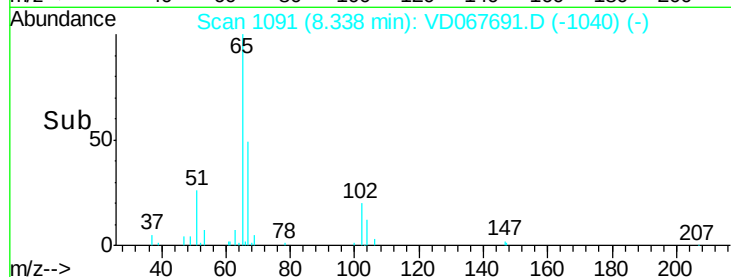
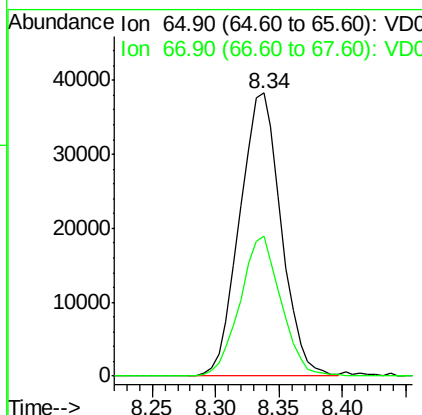
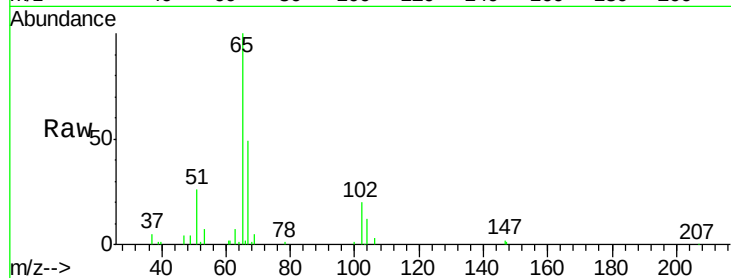




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.009 ug/l  
 RT: 8.34 min Scan# 1091  
 Delta R.T. -0.00 min  
 Lab File: VD067691.D  
 Acq: 18 Nov 2020 17:40

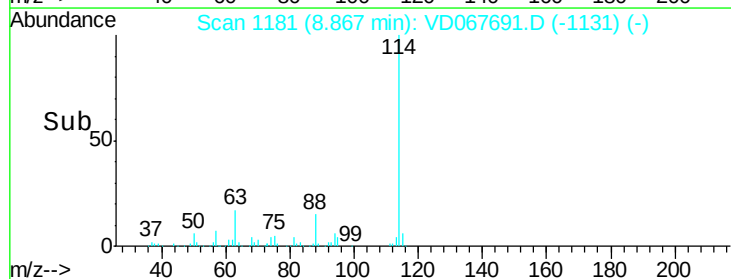
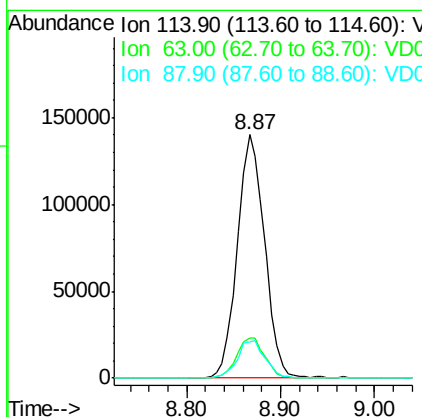
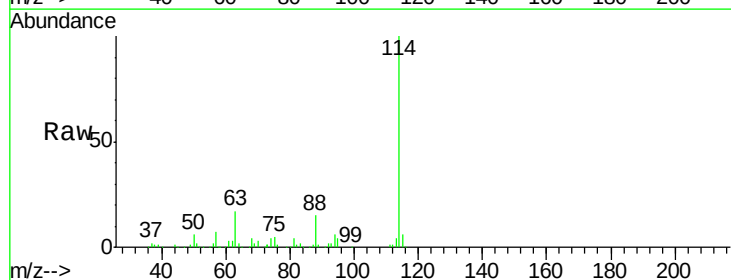
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 BP-VPB178-DUP-20201116

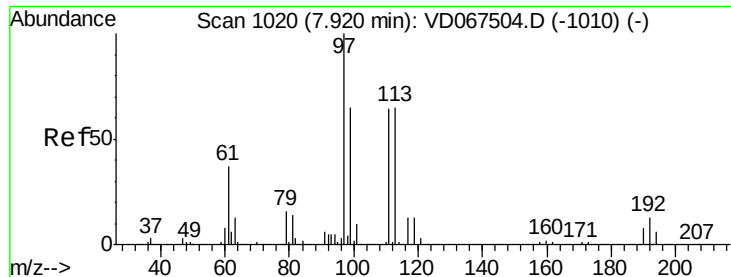
Tot Ion: 65 Resp: 87057  
 Ion Ratio Lower Upper  
 65 100  
 67 48.9 0.0 99.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. -0.01 min  
 Lab File: VD067691.D  
 Acq: 18 Nov 2020 17:40

Tgt Ion: 114 Resp: 281601  
 Ion Ratio Lower Upper  
 114 100  
 63 16.5 0.0 35.0  
 88 14.7 0.0 33.0

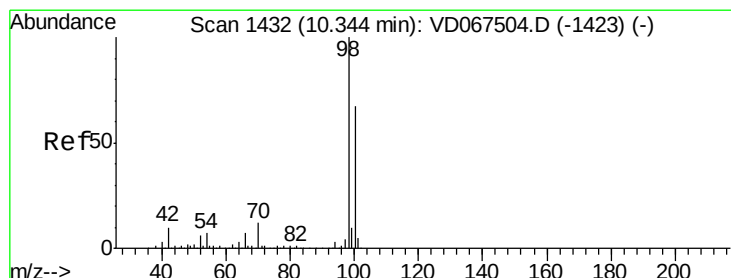
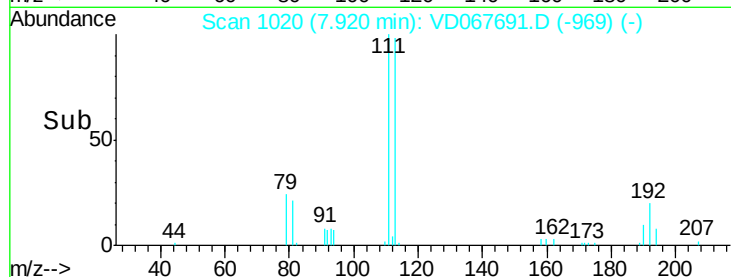
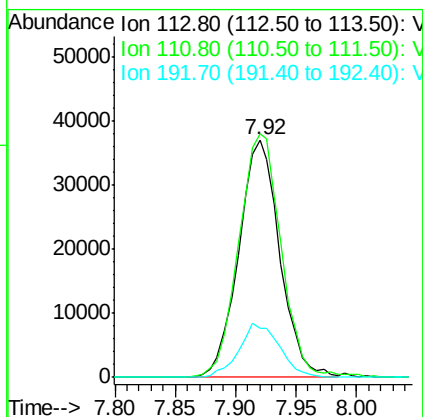
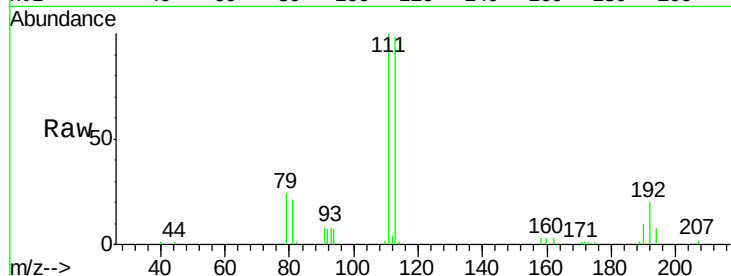




#35  
 Dibromofluoromethane  
 Concen: 51.737 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. -0.00 min  
 Lab File: VD067691.D  
 Acq: 18 Nov 2020 17:40

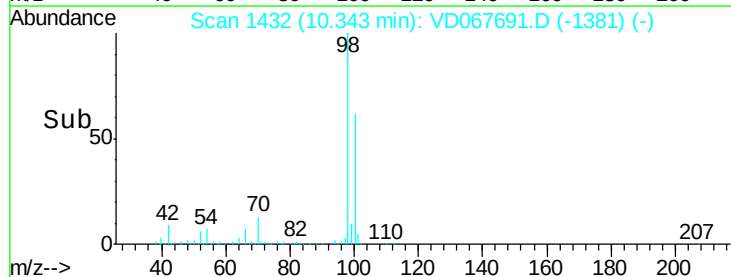
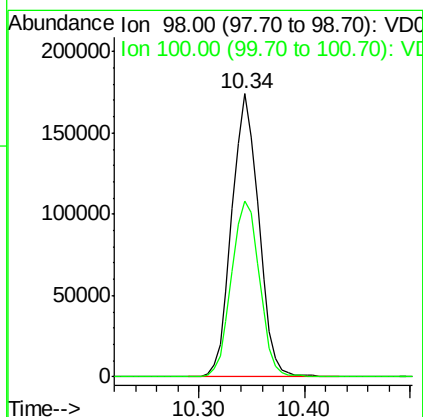
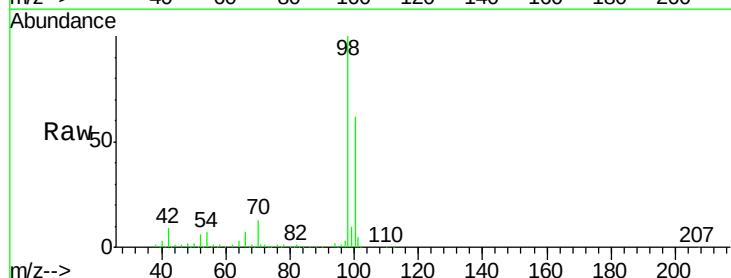
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 BP-VPB178-DUP-20201116

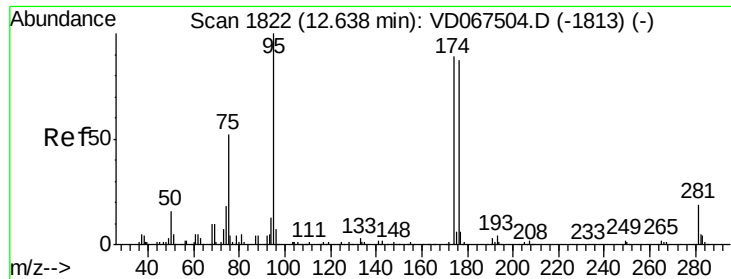
Tot Ion:113 Resp: 87779  
 Ion Ratio Lower Upper  
 113 100  
 111 105.9 80.0 120.0  
 192 22.4 16.3 24.5



#50  
 Toluene-d8  
 Concen: 51.530 ug/l  
 RT: 10.34 min Scan# 1432  
 Delta R.T. -0.00 min  
 Lab File: VD067691.D  
 Acq: 18 Nov 2020 17:40

Tgt Ion: 98 Resp: 307239  
 Ion Ratio Lower Upper  
 98 100  
 100 64.6 53.0 79.6





#62

4-Bromofluorobenzene

Concen: 46.620 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067691.D

Acq: 18 Nov 2020 17:40

Instrument :

MSVOA\_D

ClientSampleId :

BP-VPB178-DUP-20201116

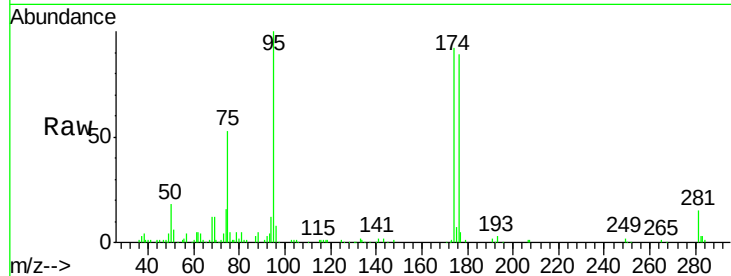
Tot Ion: 95 Resp: 95967

Ion Ratio Lower Upper

95 100

174 90.3 0.0 177.8

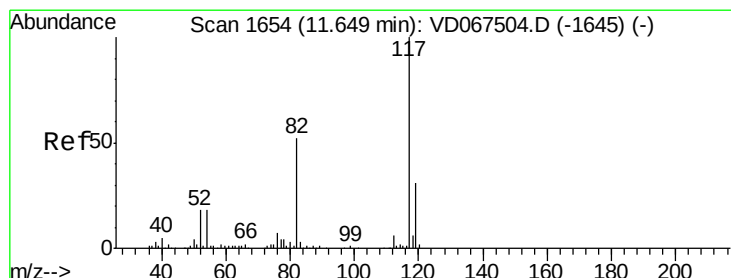
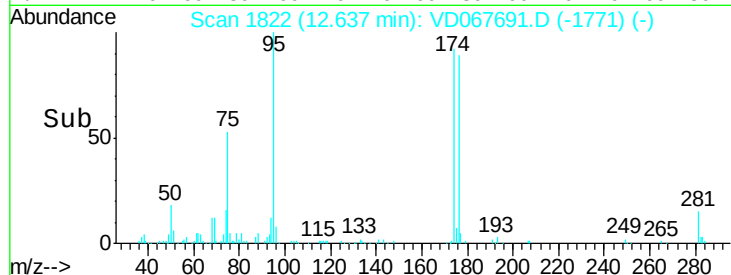
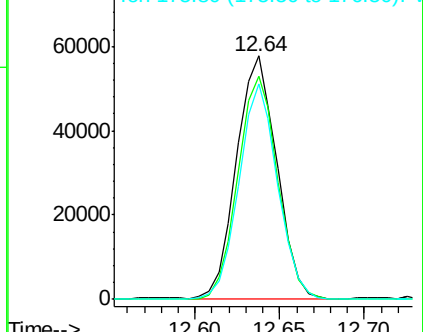
176 84.2 0.0 172.0



Abundance Ion 94.90 (94.60 to 95.60): VD067691.D (-1771) (-)

Ion 173.80 (173.50 to 174.50): VD067691.D (-1771) (-)

Ion 175.80 (175.50 to 176.50): VD067691.D (-1771) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD067691.D

Acq: 18 Nov 2020 17:40

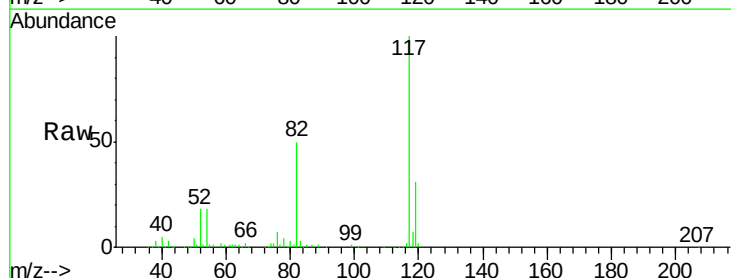
Tgt Ion: 117 Resp: 242314

Ion Ratio Lower Upper

117 100

82 50.2 41.6 62.4

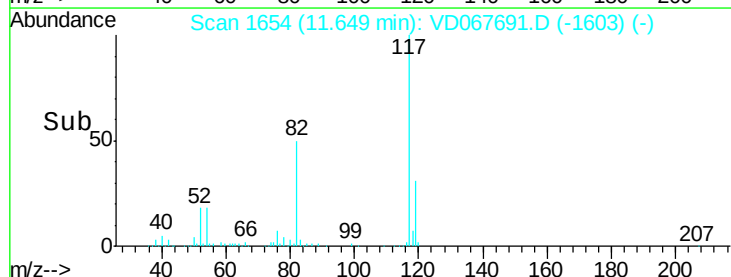
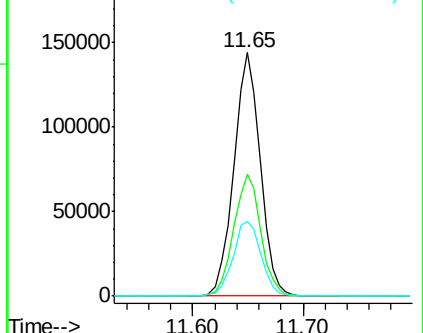
119 30.8 25.1 37.7

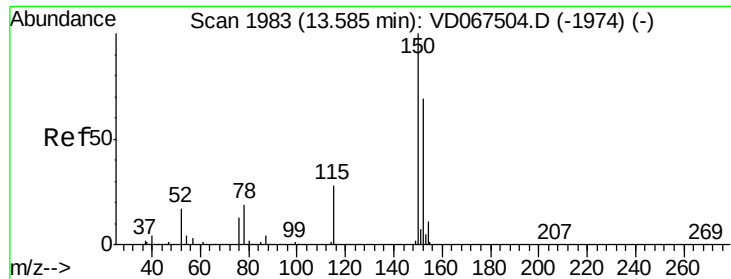


Abundance Ion 116.90 (116.60 to 117.60): VD067691.D (-1603) (-)

Ion 82.00 (81.70 to 82.70): VD067691.D (-1603) (-)

Ion 118.90 (118.60 to 119.60): VD067691.D (-1603) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067691.D

Acq: 18 Nov 2020 17:40

Instrument :

MSVOA\_D

ClientSampleId :

BP-VPB178-DUP-20201116

Tot Ion:152 Resp: 98594

Ion Ratio Lower Upper

152 100

115 60.6 29.3 88.0

150 158.3 0.0 338.2

