

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\  
 Data File : VD067100.D  
 Acq On : 06 Oct 2020 11:43  
 Operator : VA/SY  
 Sample : L4272-03  
 Misc : 7.48G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MH-1(6)

Quant Time: Oct 07 01:32:09 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

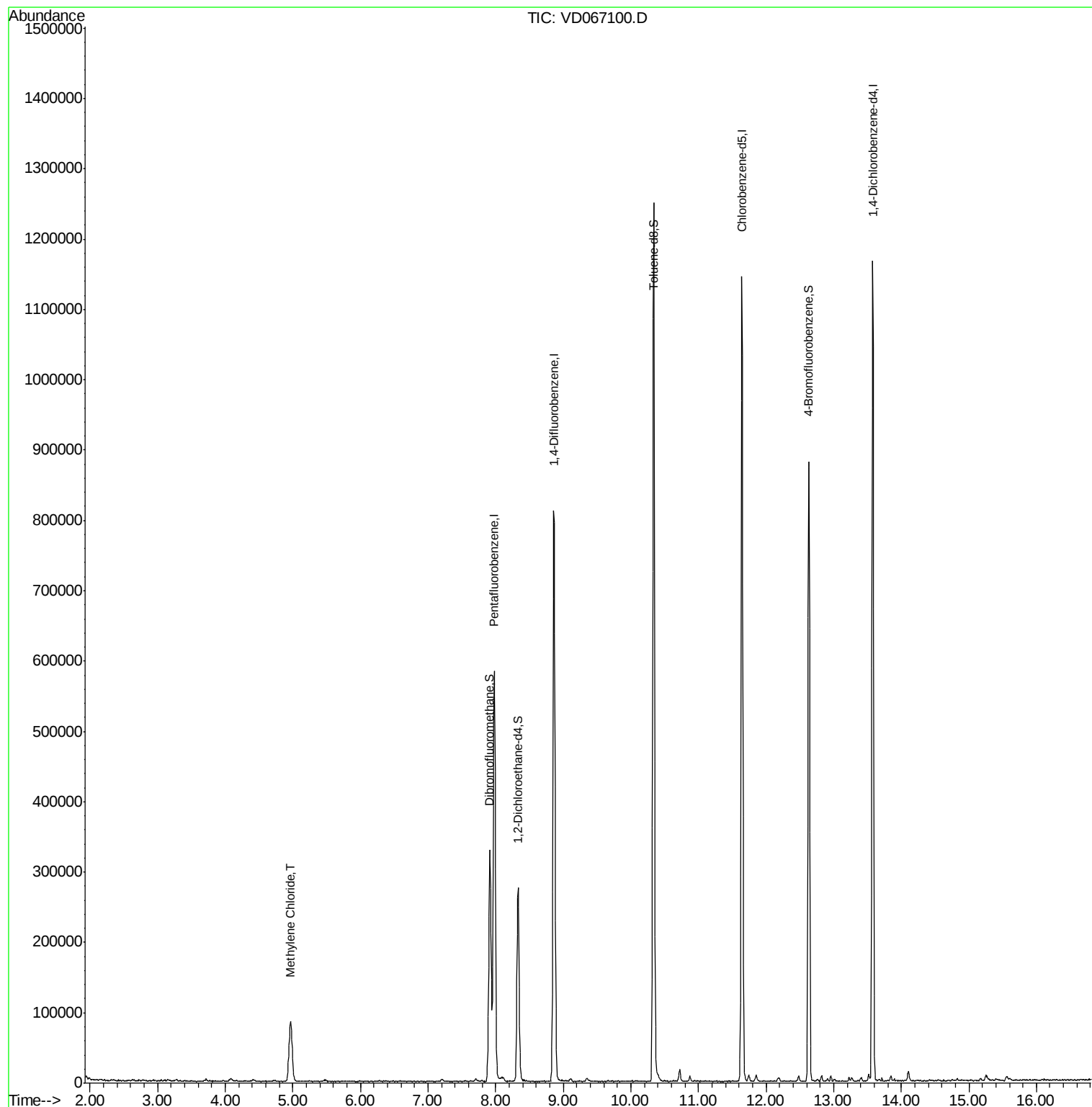
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 435427   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 746270   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 685748   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 318380   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 226669   | 54.05  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.10% |           |
| 35) Dibromofluoromethane    | 7.91  | 113  | 240881   | 49.30  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.60%  |           |
| 50) Toluene-d8              | 10.34 | 98   | 870858   | 48.92  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.84%  |           |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 290586   | 48.08  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.16%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 20) Methylene Chloride      | 4.96  | 84   | 73221    | 10.347 | ug/l    | Qvalue 98 |

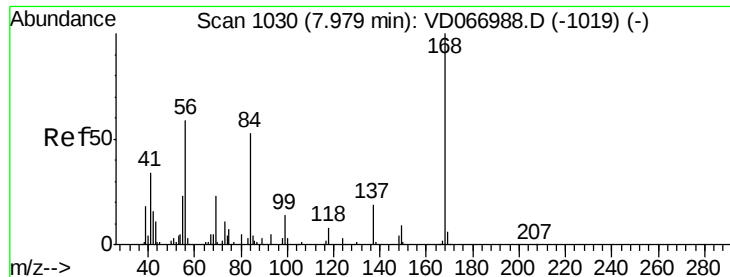
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
ClientSampleId :  
MH-1-(6)

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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: VD067100.D

Acq: 06 Oct 2020 11:43

Instrument :

MSVOA\_D

ClientSampled :

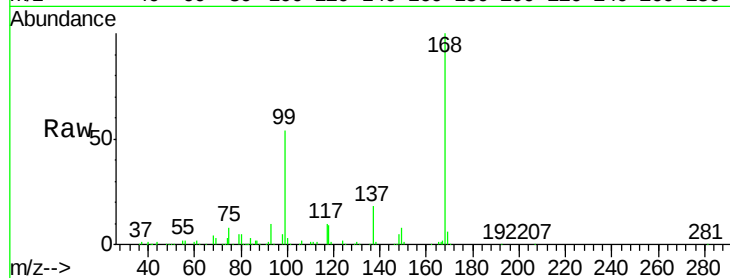
MH-1-(6)

Tot Ion:168 Resp: 435427

Ion Ratio Lower Upper

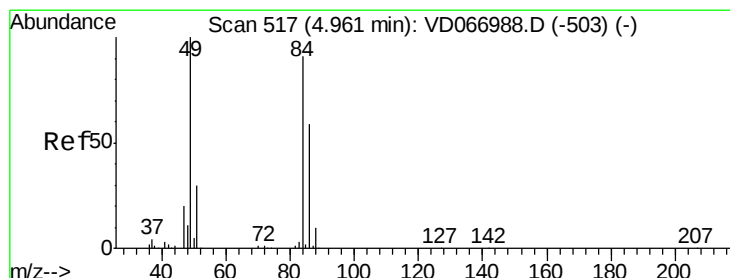
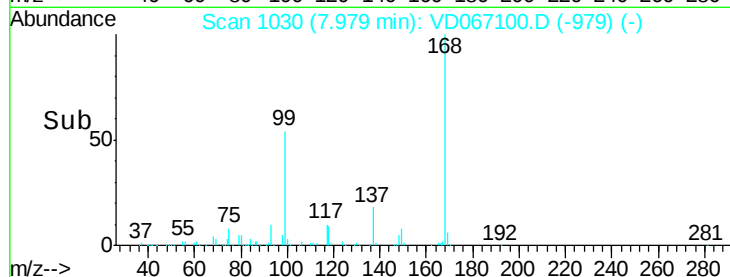
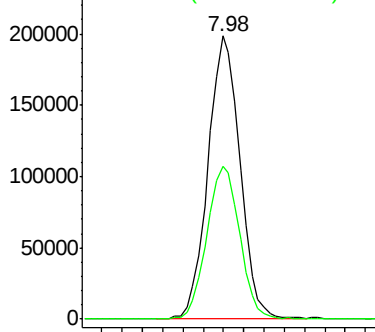
168 100

99 54.0 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#20

Methylene Chloride

Concen: 10.347 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067100.D

Acq: 06 Oct 2020 11:43

Tgt Ion: 84 Resp: 73221

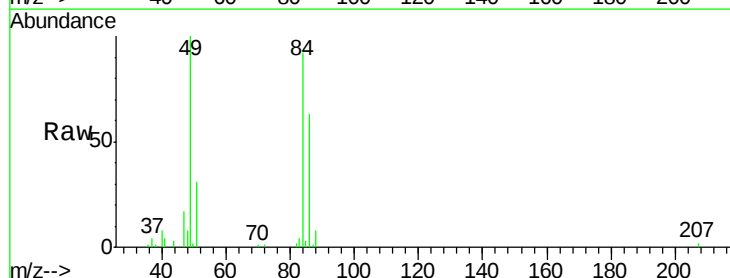
Ion Ratio Lower Upper

84 100

49 108.8 88.2 132.2

51 33.4 26.6 39.8

86 68.7 52.1 78.1

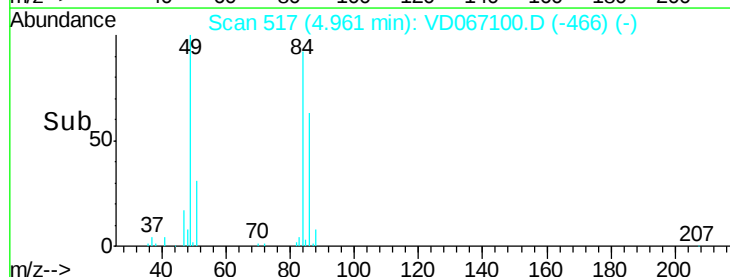
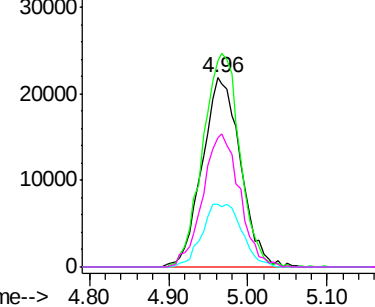


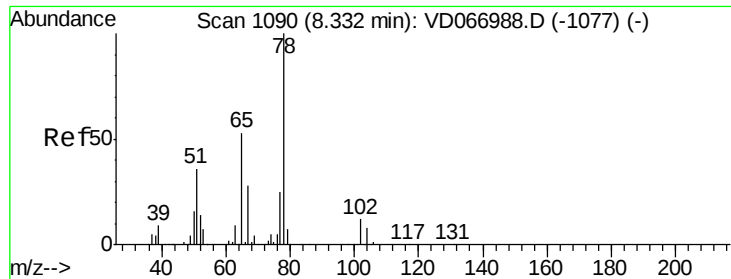
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

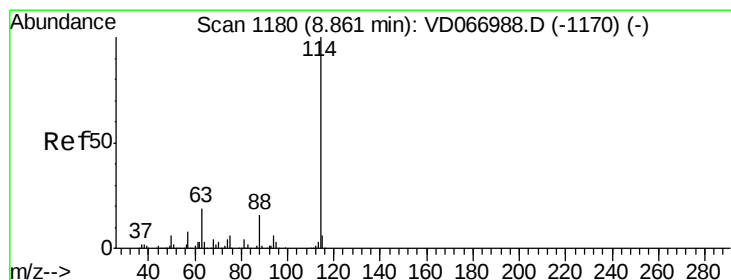
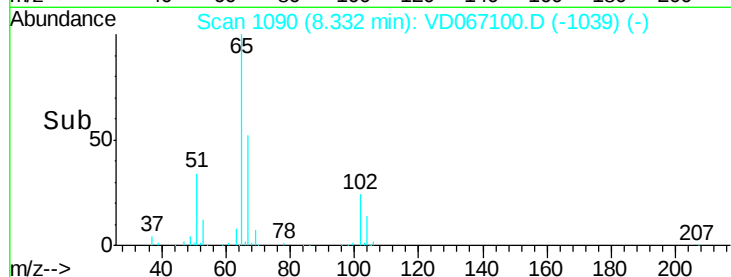
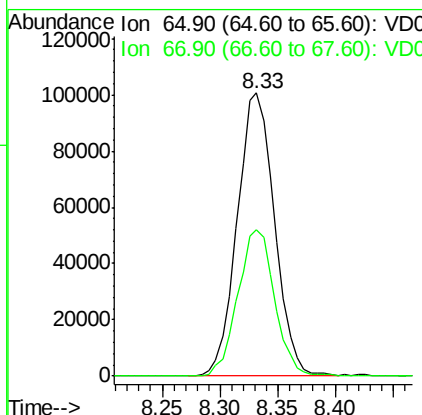
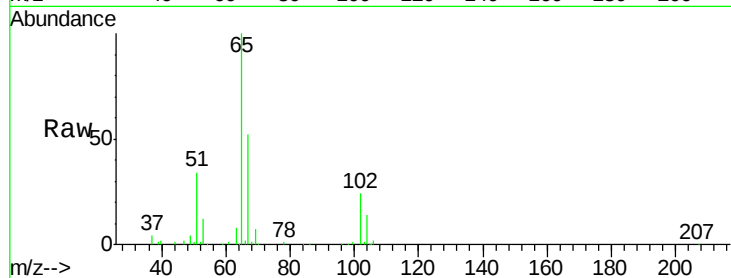




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.046 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. 0.00 min  
 Lab File: VD067100.D  
 Acq: 06 Oct 2020 11:43

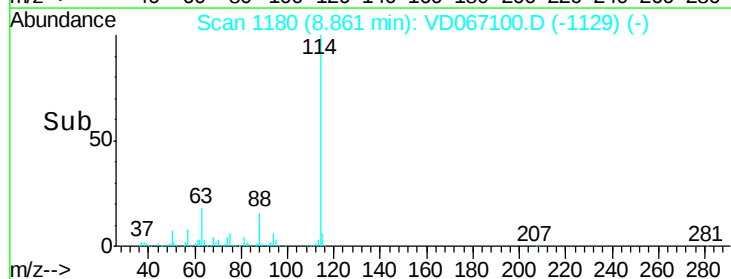
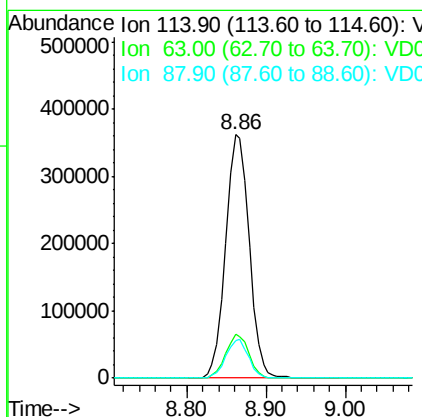
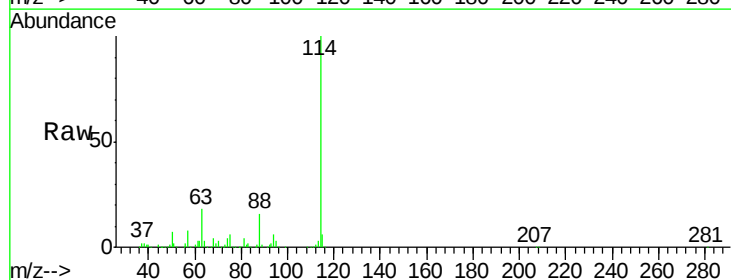
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MH-1-(6)

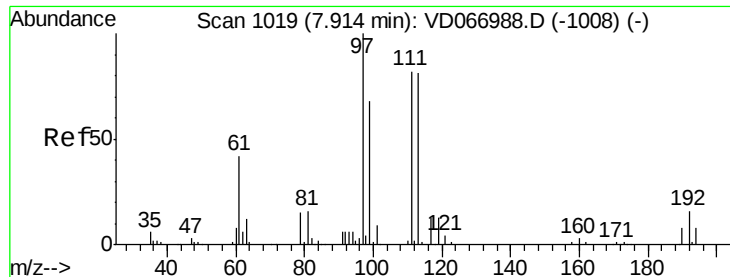
Tot Ion: 65 Resp: 226669  
 Ion Ratio Lower Upper  
 65 100  
 67 50.9 0.0 106.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. 0.00 min  
 Lab File: VD067100.D  
 Acq: 06 Oct 2020 11:43

Tgt Ion: 114 Resp: 746270  
 Ion Ratio Lower Upper  
 114 100  
 63 17.8 0.0 38.4  
 88 15.6 0.0 31.2

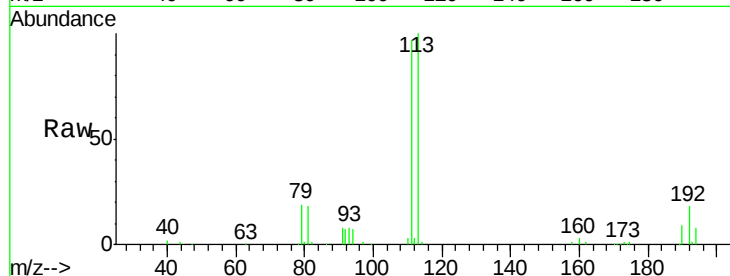




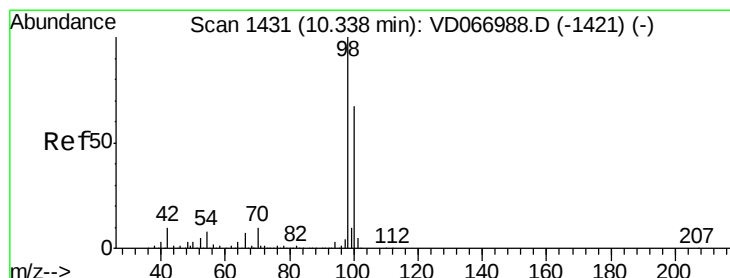
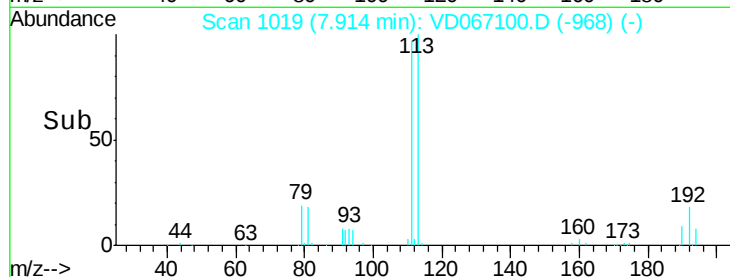
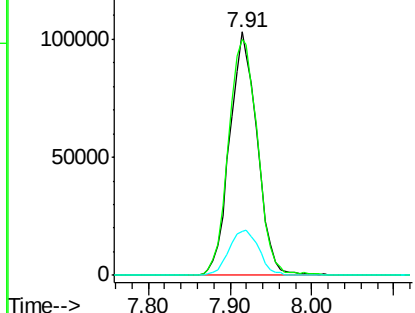
#35  
Dibromofluoromethane  
Concen: 49.303 ug/l  
RT: 7.91 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: VD067100.D  
Acq: 06 Oct 2020 11:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
MH-1-(6)

Tot Ion:113 Resp: 240881  
Ion Ratio Lower Upper  
113 100  
111 103.2 83.0 124.4  
192 20.3 15.5 23.3

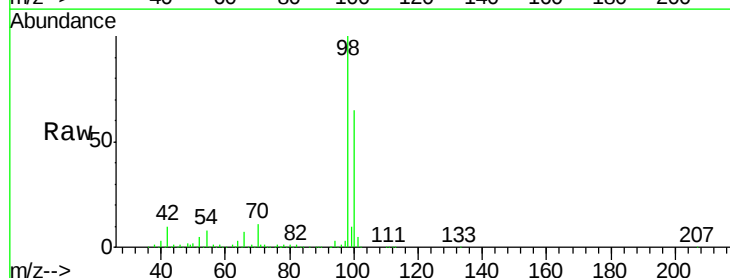


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

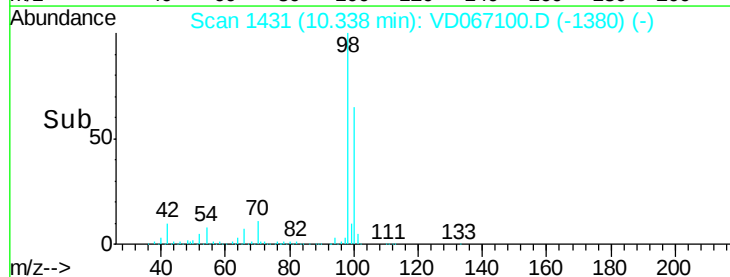
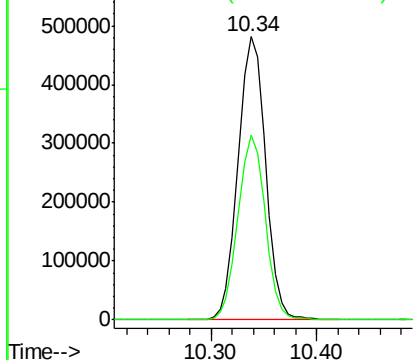


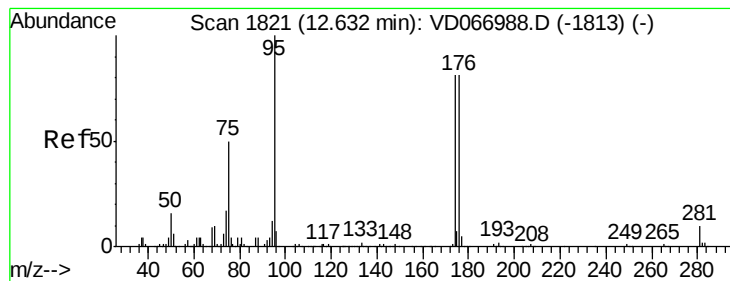
#50  
Toluene-d8  
Concen: 48.917 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. 0.00 min  
Lab File: VD067100.D  
Acq: 06 Oct 2020 11:43

Tgt Ion: 98 Resp: 870858  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC  
Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 48.081 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD067100.D

Acq: 06 Oct 2020 11:43

Instrument :

MSVOA\_D

ClientSampleId :

MH-1-(6)

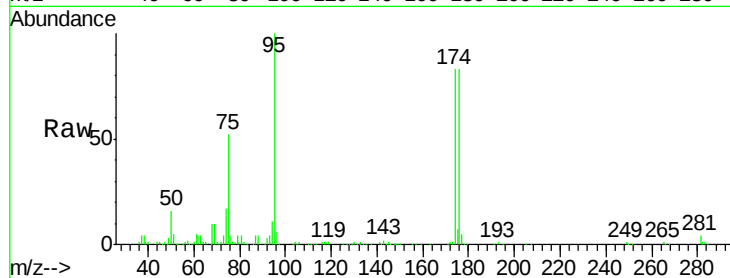
Tot Ion: 95 Resp: 290586

Ion Ratio Lower Upper

95 100

174 86.0 0.0 167.6

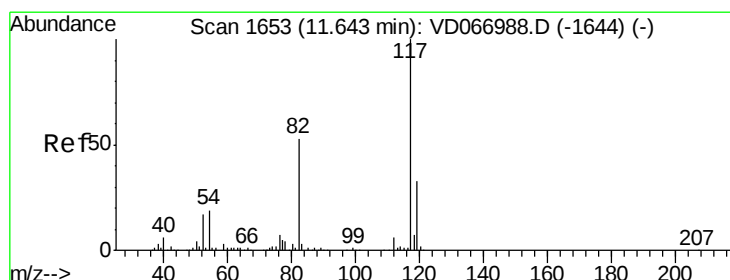
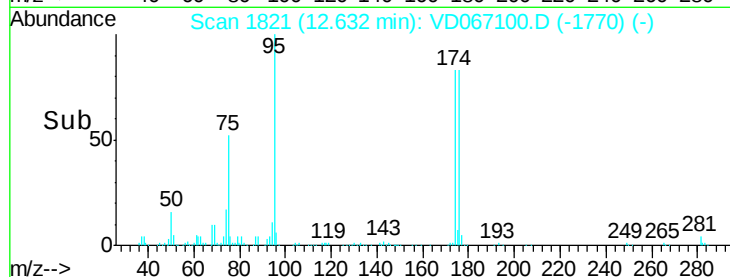
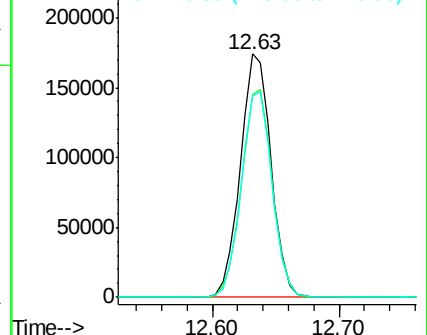
176 84.7 0.0 162.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD067100.D

Acq: 06 Oct 2020 11:43

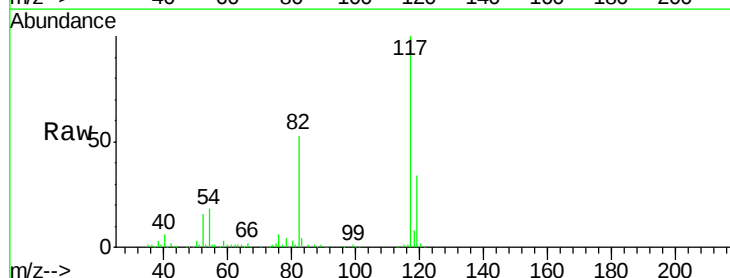
Tgt Ion: 117 Resp: 685748

Ion Ratio Lower Upper

117 100

82 53.4 42.6 63.8

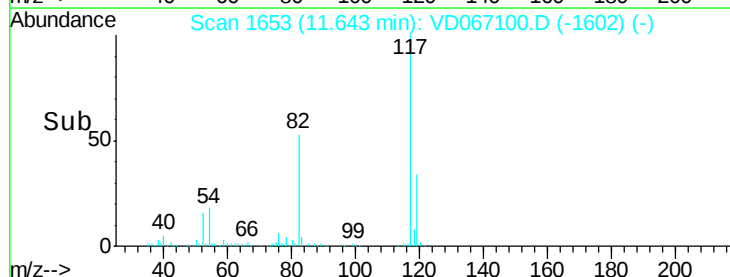
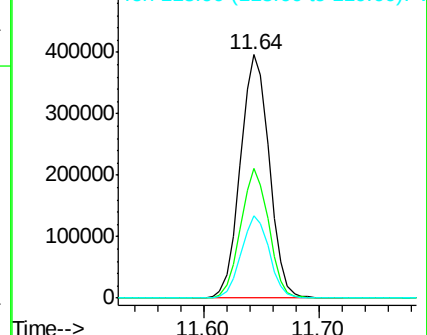
119 33.6 26.3 39.5

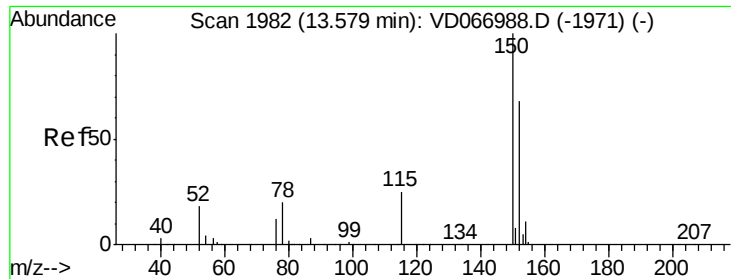


Abundance Ion 116.90 (116.60 to 117.60): V

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. 0.00 min

Lab File: VD067100.D

Acq: 06 Oct 2020 11:43

Instrument :

MSVOA\_D

ClientSampleId :

MH-1-(6)

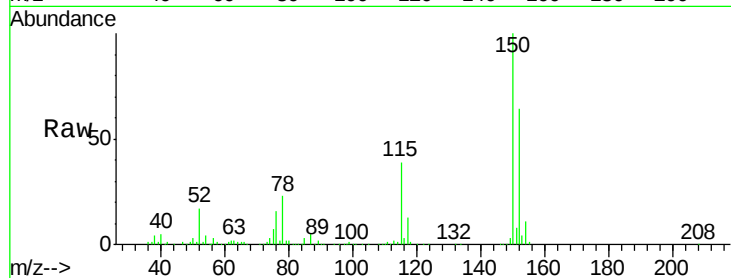
Tot Ion:152 Resp: 318380

Ion Ratio Lower Upper

152 100

115 60.4 29.6 88.8

150 156.6 0.0 344.8



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

