

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122721\  
 Data File : VD071486.D  
 Acq On : 27 Dec 2021 15:43  
 Operator : VA/SY  
 Sample : VIBLK  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VIBLK

Quant Time: Dec 27 16:49:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 23 08:20:24 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 557784   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 959517   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 883626   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 399727   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 315474   | 42.586   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 85.180% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 293033   | 45.441   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 90.880% |
| 50) Toluene-d8              | 10.338 | 98    | 1206890  | 49.524   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 99.040% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 416469   | 48.092   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 96.180% |

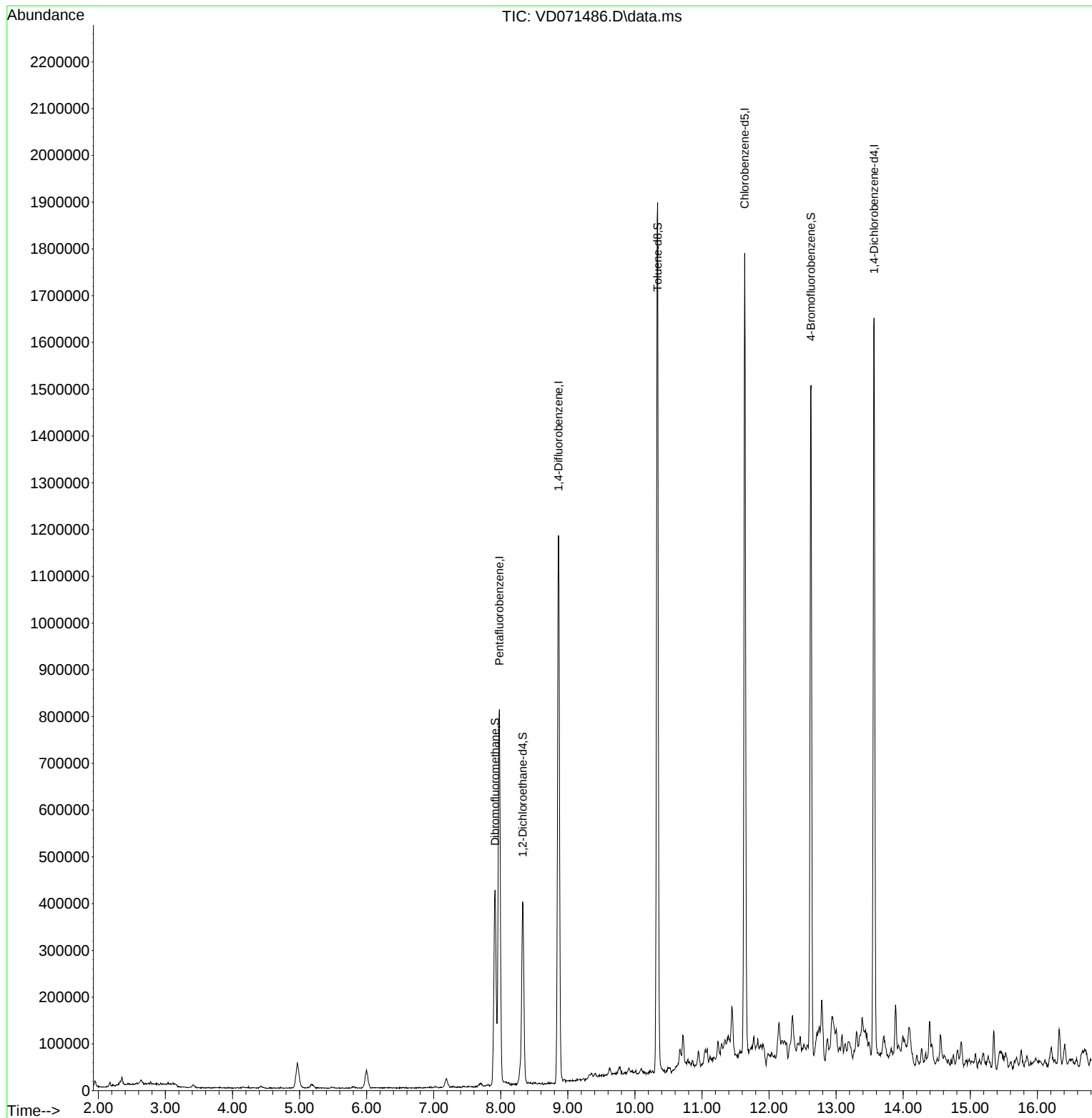
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

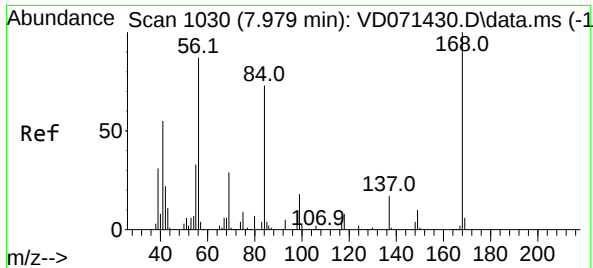
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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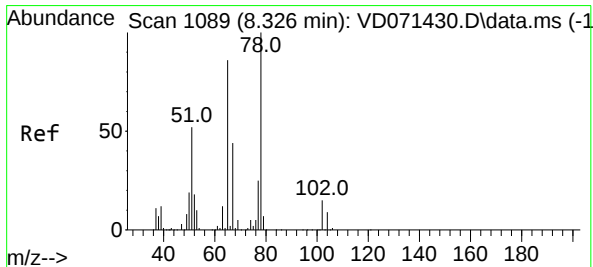
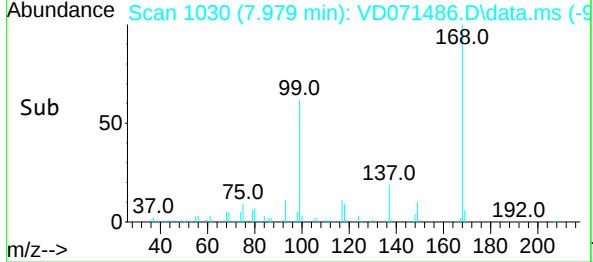
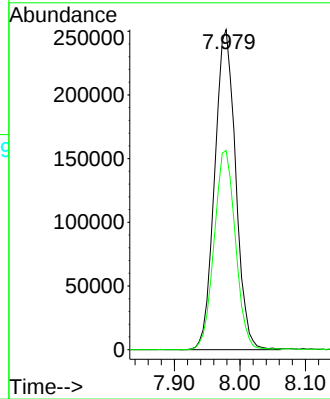
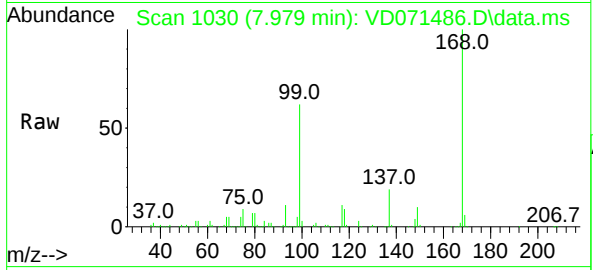




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.006 min  
Lab File: VD071486.D  
Acq: 27 Dec 2021 15:43

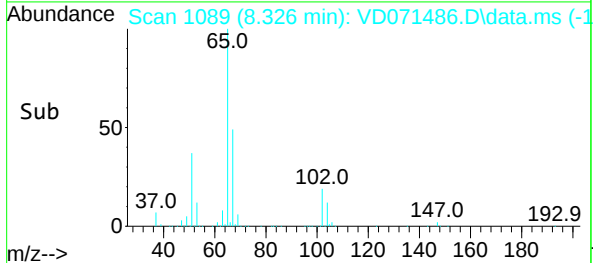
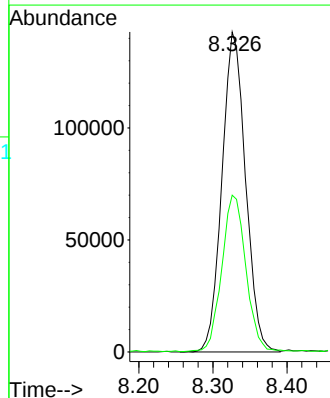
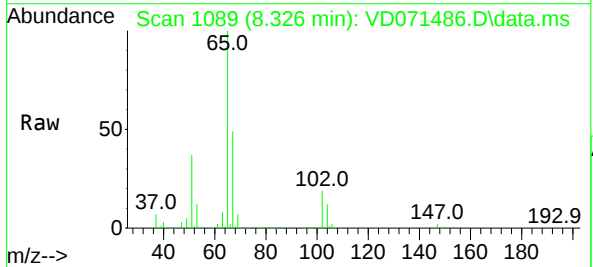
Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

Tgt Ion:168 Resp: 557784  
Ion Ratio Lower Upper  
168 100  
99 62.2 46.6 69.8



#33  
1,2-Dichloroethane-d4  
Concen: 42.586 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD071486.D  
Acq: 27 Dec 2021 15:43

Tgt Ion: 65 Resp: 315474  
Ion Ratio Lower Upper  
65 100  
67 49.9 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071486.D

Acq: 27 Dec 2021 15:43

Instrument :

MSVOA\_D

ClientSampleId :

VIBLK

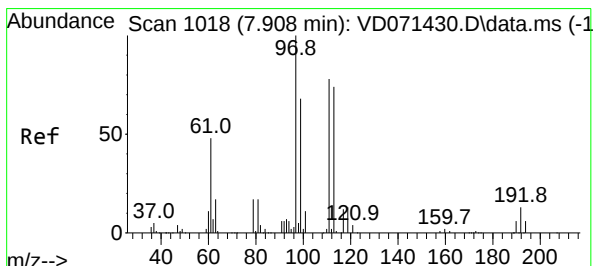
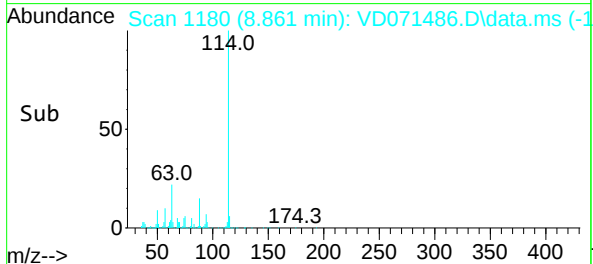
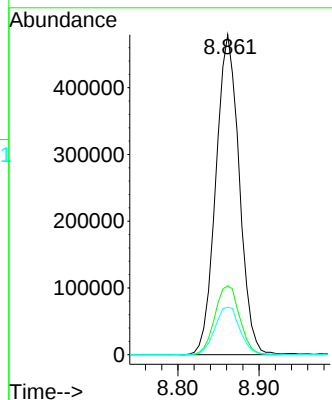
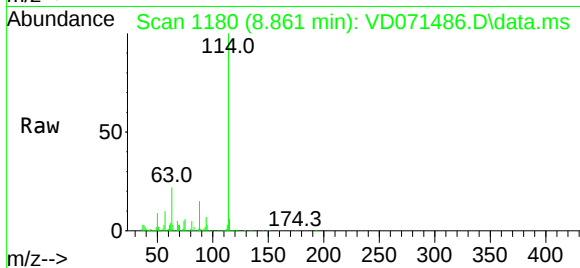
Tgt Ion:114 Resp: 959517

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.8

88 14.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 45.441 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071486.D

Acq: 27 Dec 2021 15:43

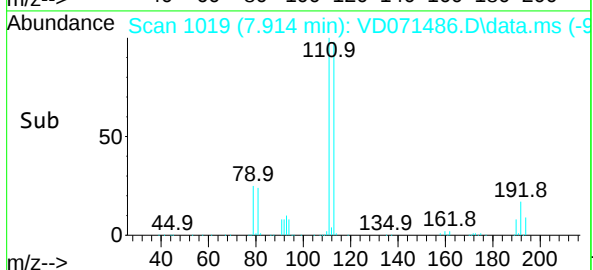
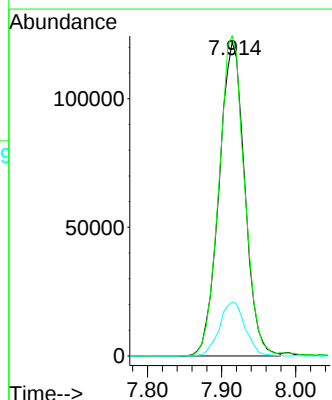
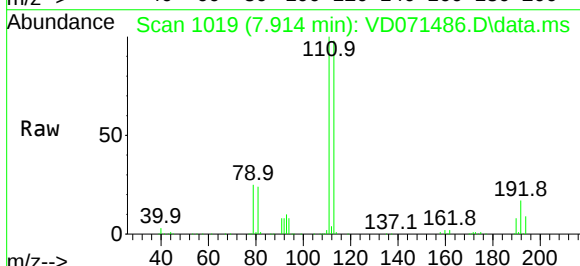
Tgt Ion:113 Resp: 293033

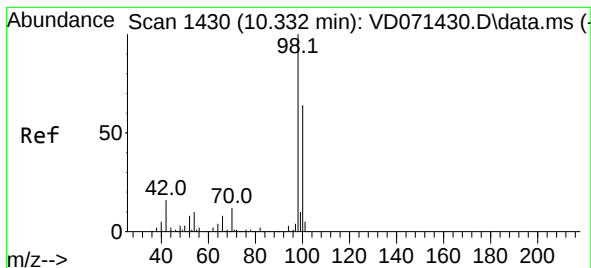
Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

192 17.2 15.2 22.8





#50

Toluene-d8

Concen: 49.524 ug/l

RT: 10.338 min Scan# 1430

Delta R.T. 0.006 min

Lab File: VD071486.D

Acq: 27 Dec 2021 15:43

Instrument :

MSVOA\_D

ClientSampleId :

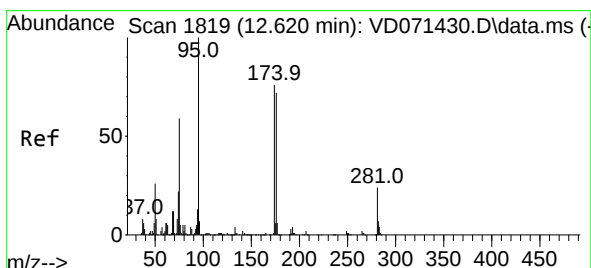
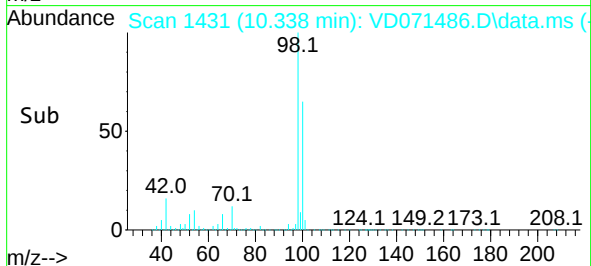
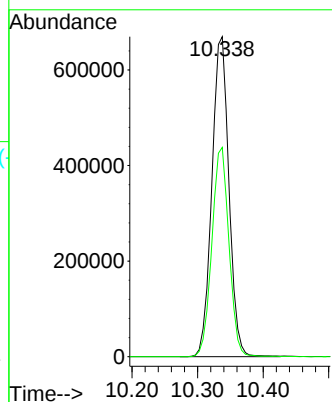
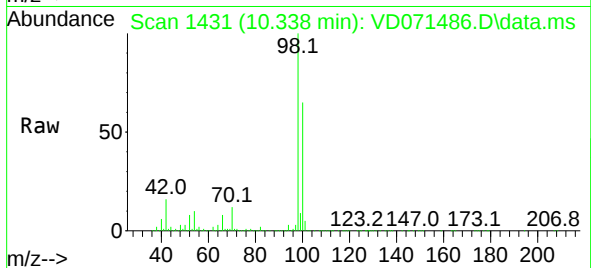
VIBLK

Tgt Ion: 98 Resp: 1206890

Ion Ratio Lower Upper

98 100

100 65.6 51.8 77.6



#62

4-Bromofluorobenzene

Concen: 48.092 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.000 min

Lab File: VD071486.D

Acq: 27 Dec 2021 15:43

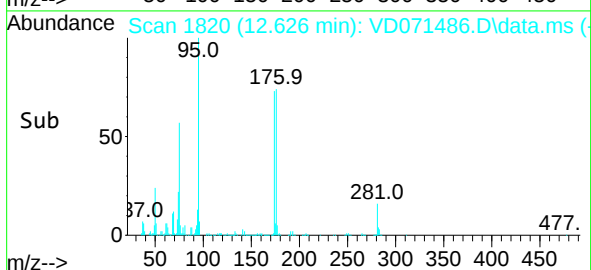
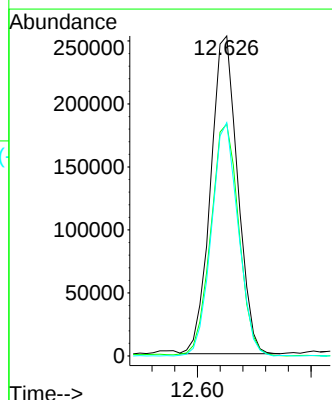
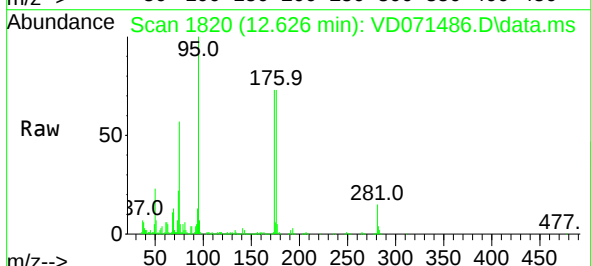
Tgt Ion: 95 Resp: 416469

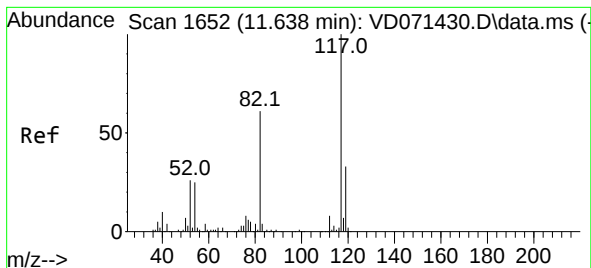
Ion Ratio Lower Upper

95 100

174 75.8 0.0 159.4

176 72.9 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD071486.D

Acq: 27 Dec 2021 15:43

Instrument :

MSVOA\_D

ClientSampleId :

VIBLK

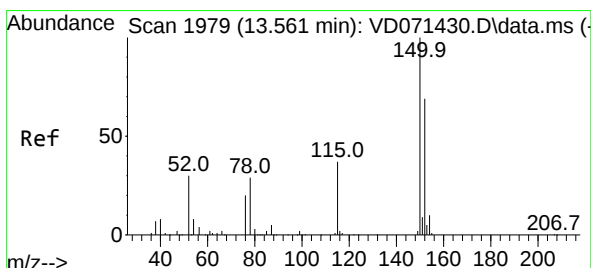
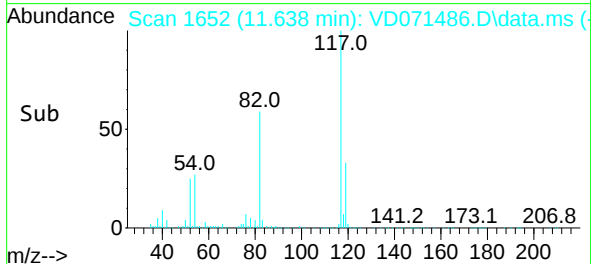
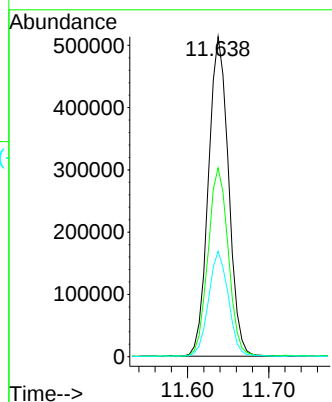
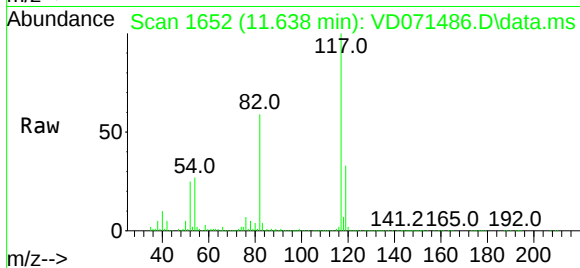
Tgt Ion:117 Resp: 883626

Ion Ratio Lower Upper

117 100

82 58.8 44.7 67.1

119 32.8 26.2 39.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. 0.006 min

Lab File: VD071486.D

Acq: 27 Dec 2021 15:43

Tgt Ion:152 Resp: 399727

Ion Ratio Lower Upper

152 100

115 61.2 29.8 89.3

150 156.5 0.0 349.2

