

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\  
 Data File : VD064045.D  
 Acq On : 24 Oct 2019 14:26  
 Operator : VA/SY  
 Sample : K5485-06RE  
 Misc : 4.29G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-24B-D2RE

Quant Time: Oct 25 04:47:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100219S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 05 03:51:17 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 140300   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 272753   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 286386   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 132772   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.34   | 65  | 85901    | 62.89 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 125.78% |      |
| 35) Dibromofluoromethane    | 7.93   | 113 | 85320    | 51.19 | ug/l    | 0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.38% |      |
| 50) Toluene-d8              | 10.34  | 98  | 375021   | 55.43 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.86% |      |
| 62) 4-Bromofluorobenzene    | 12.64  | 95  | 112226   | 47.73 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.46%  |      |

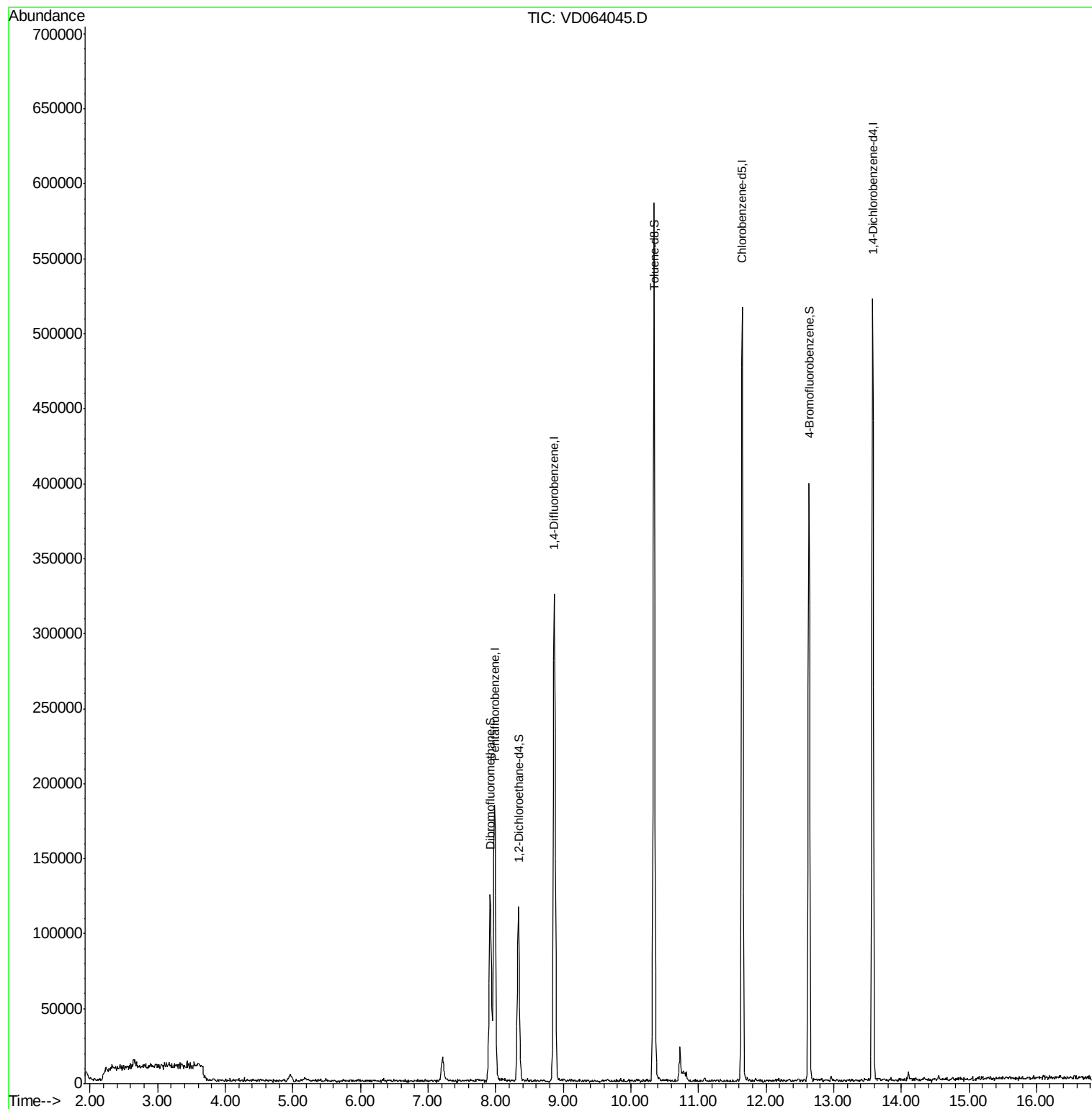
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

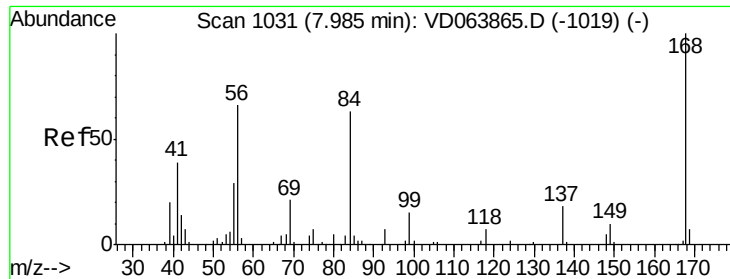
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Oct 05 03:51:17 2019  
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: VD064045.D

Acq: 24 Oct 2019 14:26

Instrument :

MSVOA\_D

ClientSampleId :

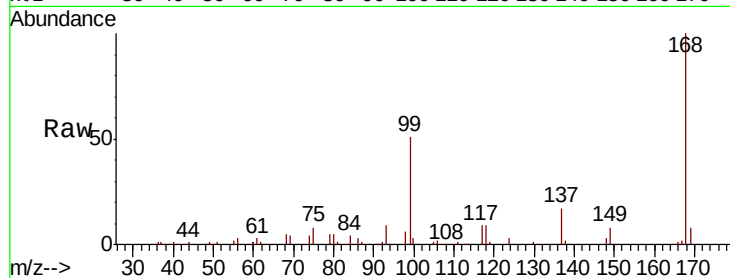
TP-24B-D2RE

Tot Ion:168 Resp: 140300

Ion Ratio Lower Upper

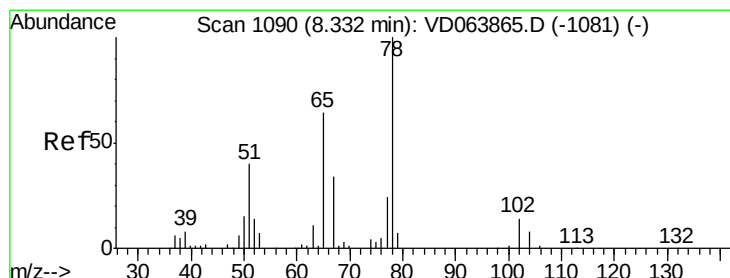
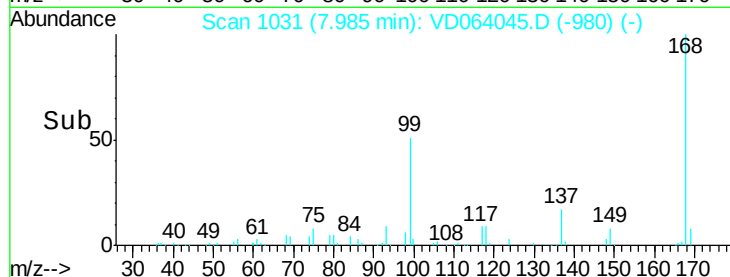
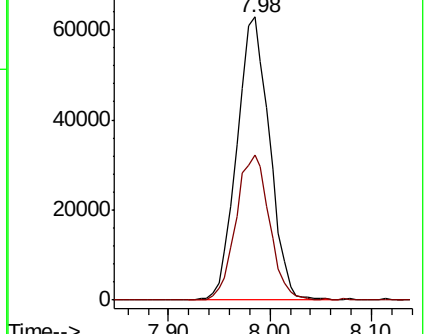
168 100

99 51.2 43.0 64.4



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: 62.888 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064045.D

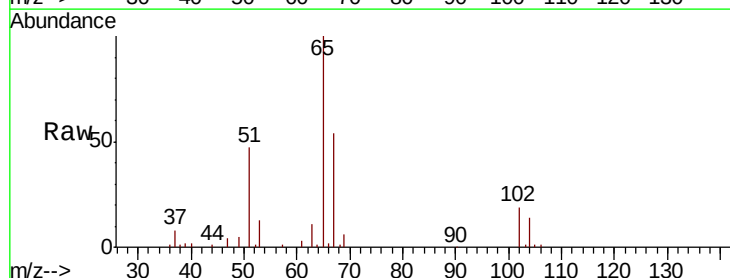
Acq: 24 Oct 2019 14:26

Tgt Ion: 65 Resp: 85901

Ion Ratio Lower Upper

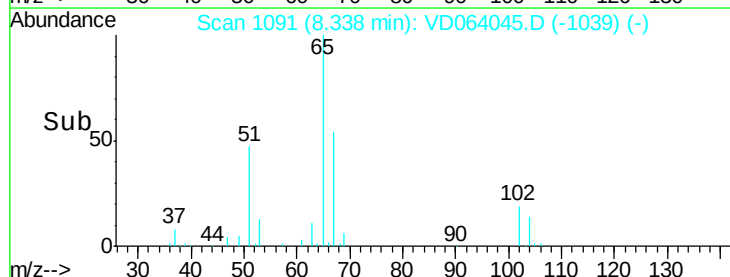
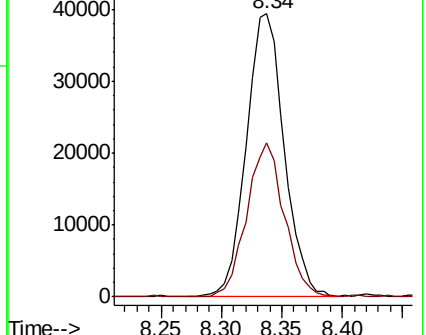
65 100

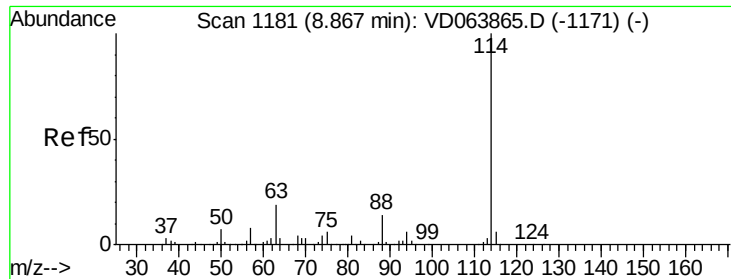
67 53.8 0.0 106.4



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. -0.00 min

Lab File: VD064045.D

Acq: 24 Oct 2019 14:26

Instrument :

MSVOA\_D

ClientSampleId :

TP-24B-D2RE

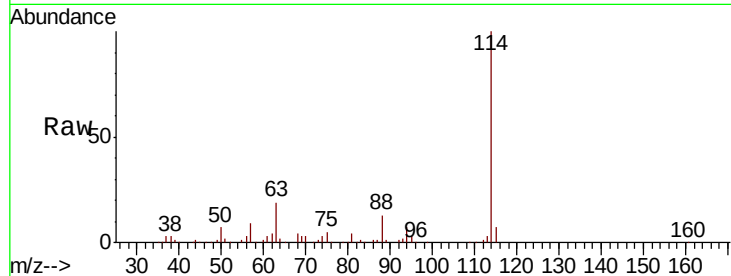
Tot Ion:114 Resp: 272753

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

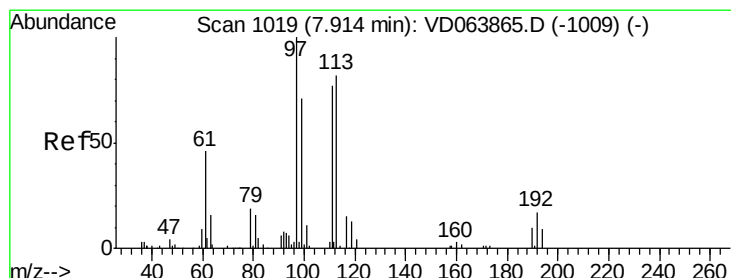
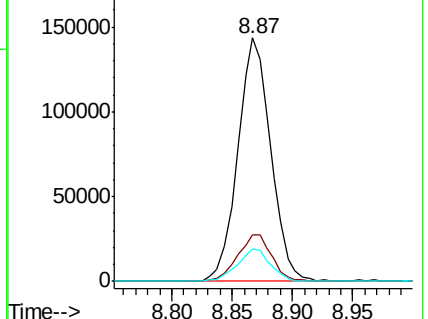
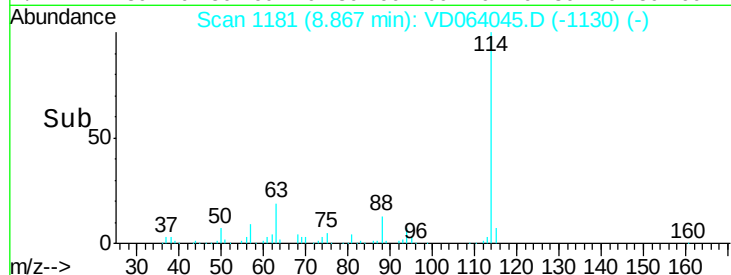
88 13.1 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 51.186 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD064045.D

Acq: 24 Oct 2019 14:26

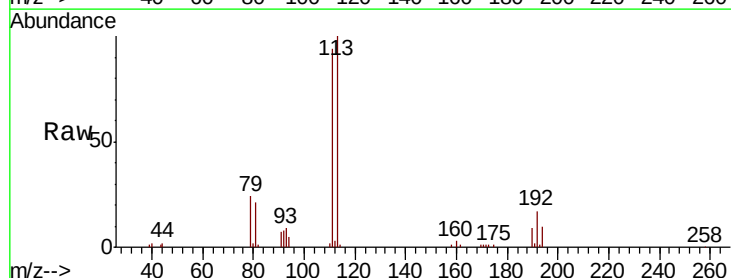
Tgt Ion:113 Resp: 85320

Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

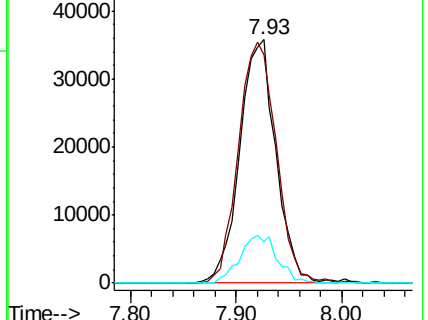
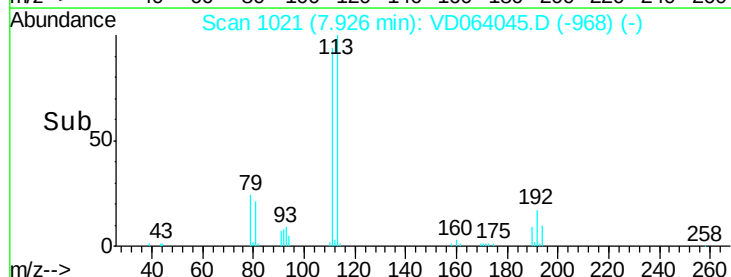
192 20.3 17.1 25.7

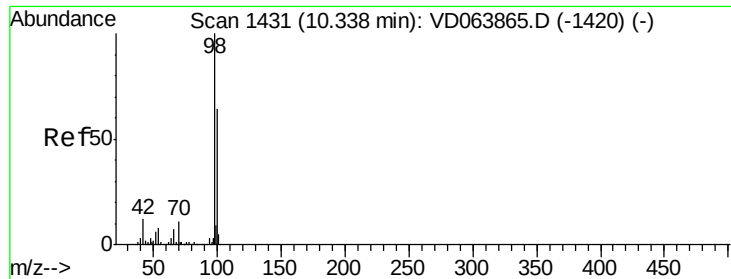


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 55.431 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064045.D

Acq: 24 Oct 2019 14:26

Instrument :

MSVOA\_D

ClientSampleId :

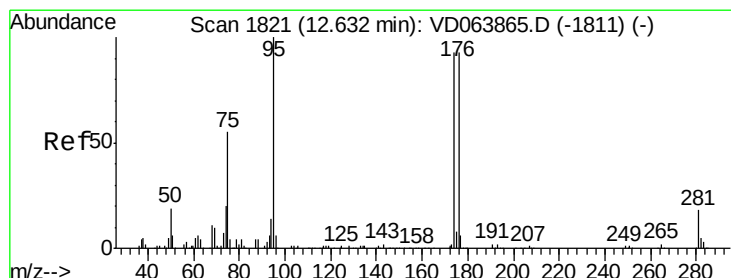
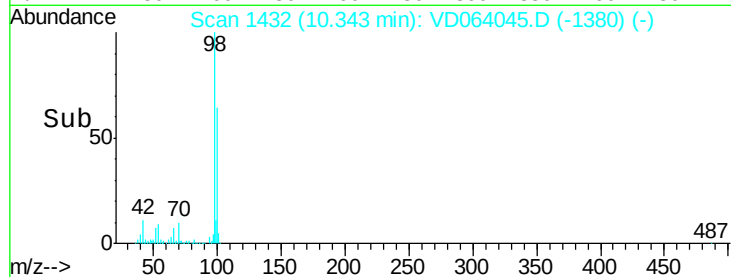
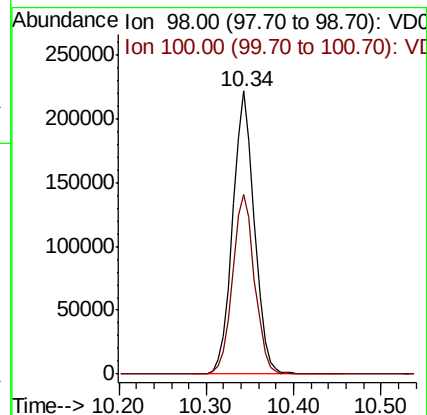
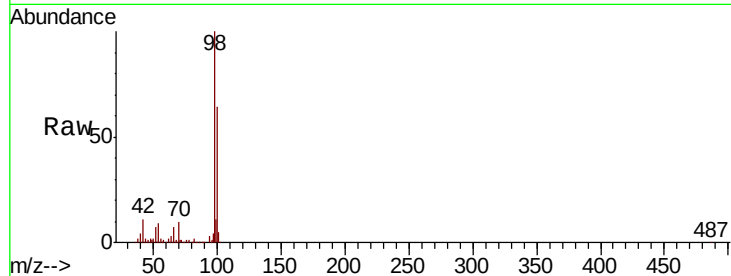
TP-24B-D2RE

Tot Ion: 98 Resp: 375021

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 47.735 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064045.D

Acq: 24 Oct 2019 14:26

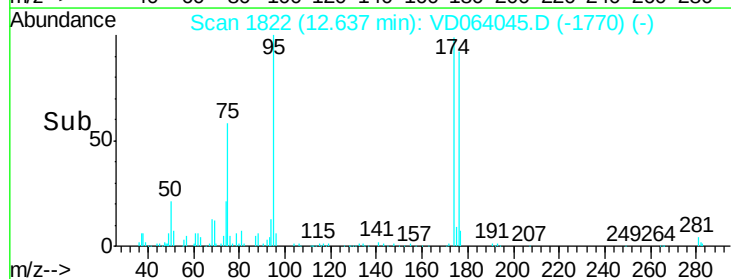
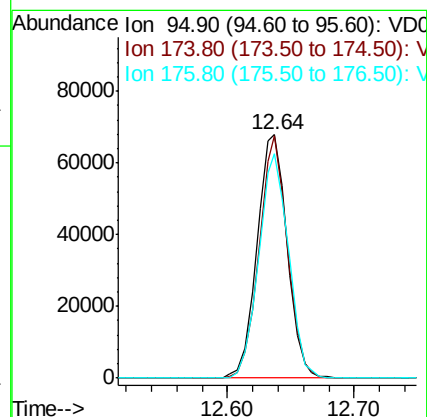
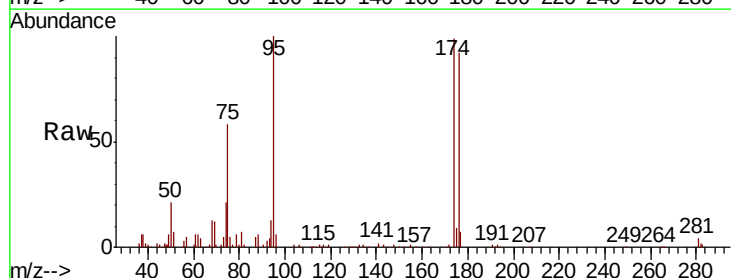
Tgt Ion: 95 Resp: 112226

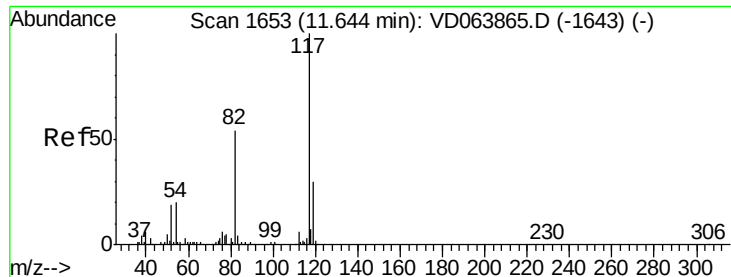
Ion Ratio Lower Upper

95 100

174 93.4 0.0 186.4

176 91.2 0.0 184.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD064045.D

Acq: 24 Oct 2019 14:26

Instrument :

MSVOA\_D

ClientSampleId :

TP-24B-D2RE

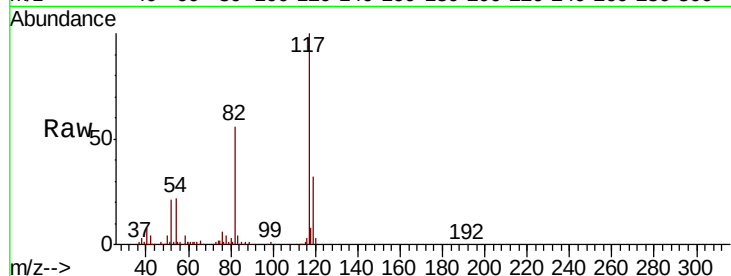
Tot Ion:117 Resp: 286386

Ion Ratio Lower Upper

117 100

82 55.6 42.8 64.2

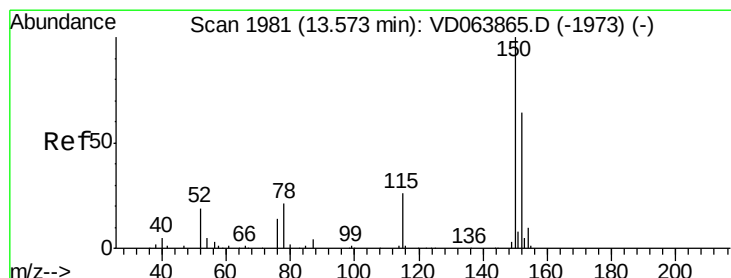
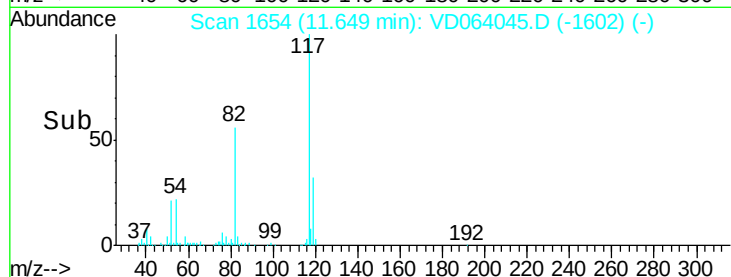
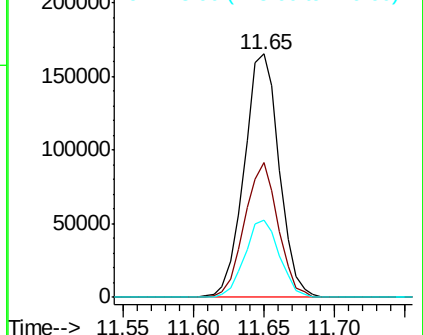
119 31.8 24.4 36.6



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: VD064045.D

Acq: 24 Oct 2019 14:26

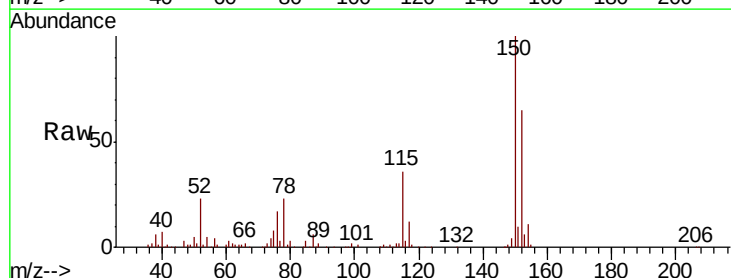
Tgt Ion:152 Resp: 132772

Ion Ratio Lower Upper

152 100

115 54.0 25.9 77.7

150 157.6 0.0 344.2



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

