

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091718\  
 Data File : VD060023.D  
 Acq On : 17 Sep 2018 16:06  
 Operator : JC/SY  
 Sample : J4773-03RE  
 Misc : 6.75g/5ml/MSVOA D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CL-01-091418-BRE

Quant Time: Sep 18 04:58:01 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D091318S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 13 16:17:40 2018  
 Response via : Initial Calibration

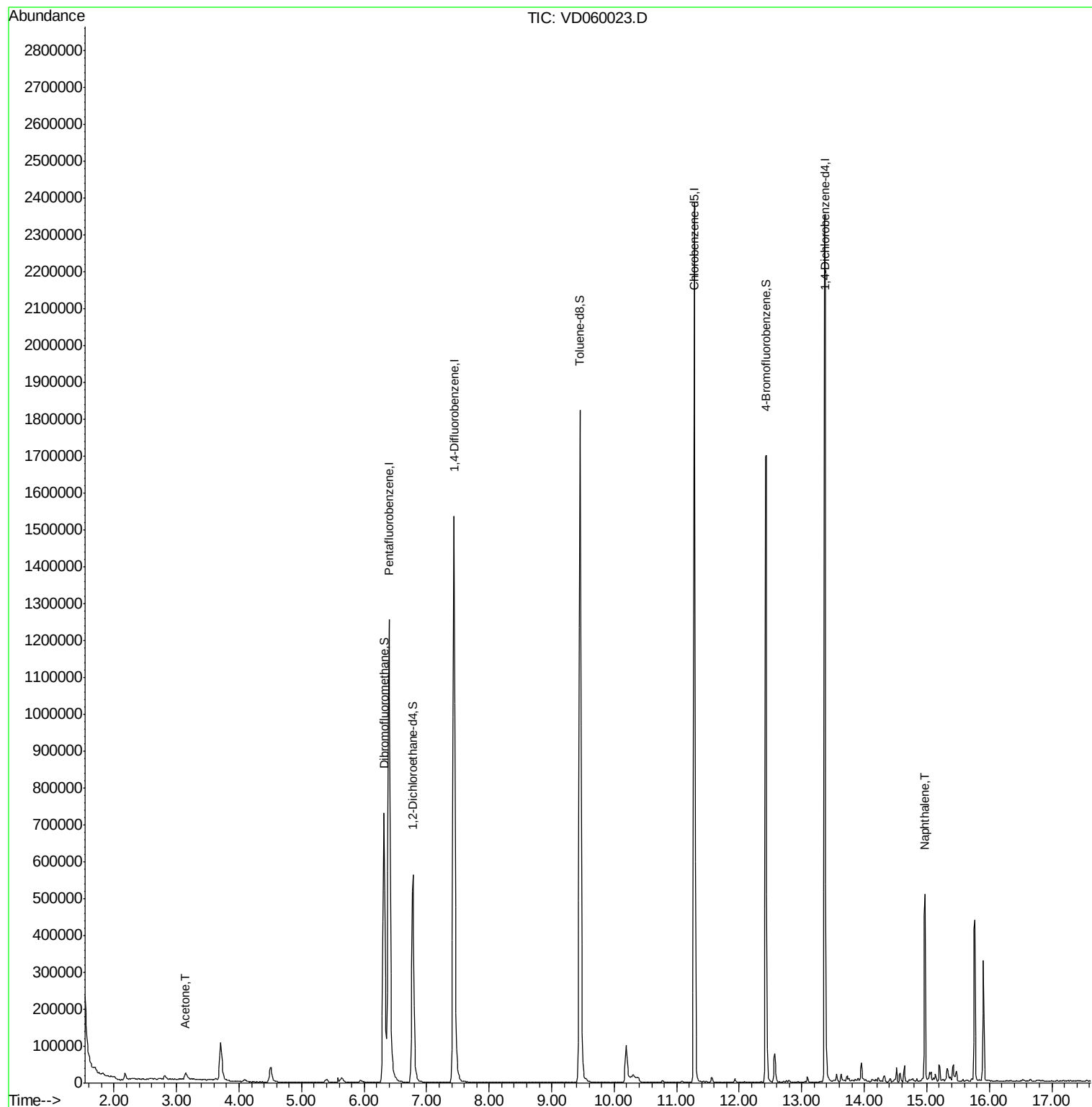
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 6.40   | 168  | 1213940  | 50.00 | ug/l   | 0.02     |
| 34) 1,4-Difluorobenzene     | 7.44   | 114  | 1680352  | 50.00 | ug/l   | 0.02     |
| 63) Chlorobenzene-d5        | 11.28  | 117  | 1277816  | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.38  | 152  | 586487   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.78   | 65   | 467954   | 49.43 | ug/l   | 0.02     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 98.86% |          |
| 35) Dibromofluoromethane    | 6.32   | 113  | 573531   | 43.69 | ug/l   | 0.02     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 87.38% |          |
| 50) Toluene-d8              | 9.45   | 98   | 1518739  | 41.74 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 83.48% |          |
| 62) 4-Bromofluorobenzene    | 12.42  | 95   | 544240   | 39.15 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 78.30% |          |
| Target Compounds            |        |      |          |       |        |          |
| 16) Acetone                 | 3.14   | 43   | 42211    | 23.09 | ug/l   | 96       |
| 95) Naphthalene             | 14.97  | 128  | 328994   | 15.51 | ug/l   | 98       |

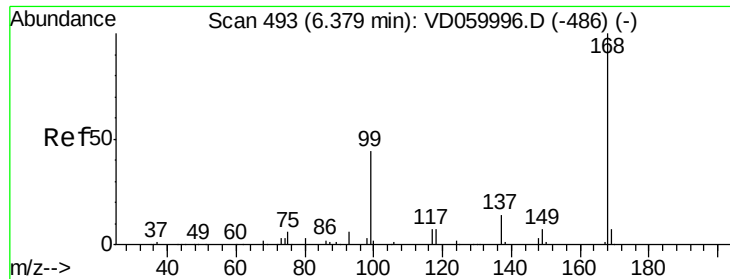
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091718\  
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Quant Title : SW846 8260  
QLast Update : Thu Sep 13 16:17:40 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060023.D

Acq: 17 Sep 2018 16:06

Instrument :

MSVOA\_D

ClientSampleId :

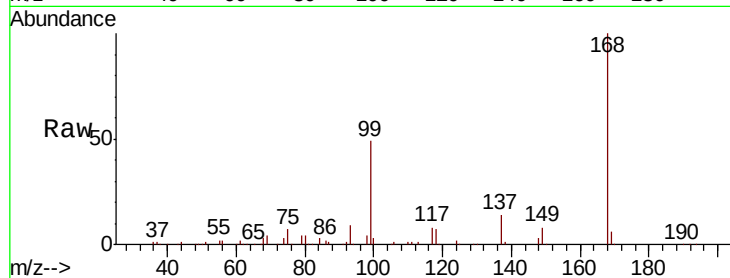
CL-01-091418-BRE

Tot Ion:168 Resp: 1213940

Ion Ratio Lower Upper

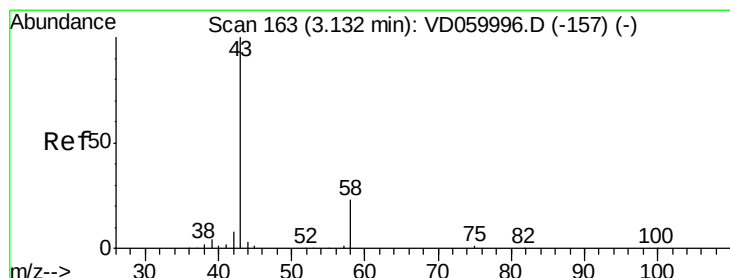
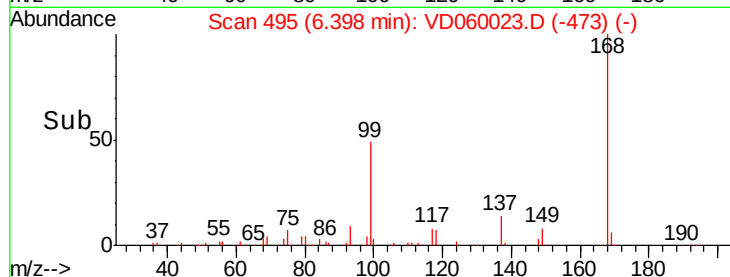
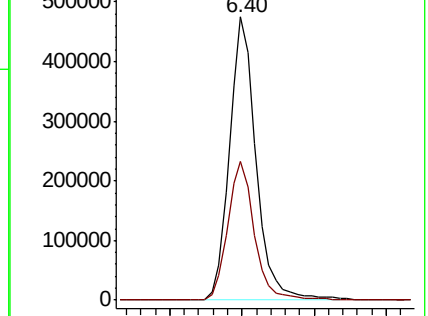
168 100

99 48.8 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 23.09 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD060023.D

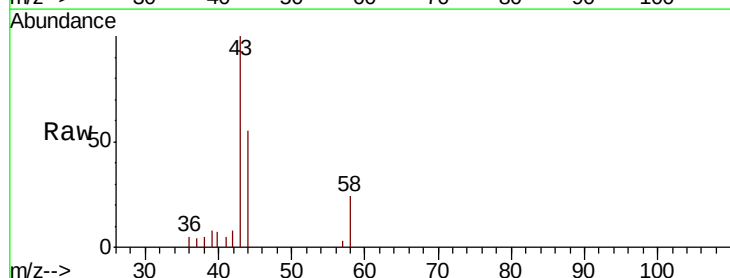
Acq: 17 Sep 2018 16:06

Tgt Ion: 43 Resp: 42211

Ion Ratio Lower Upper

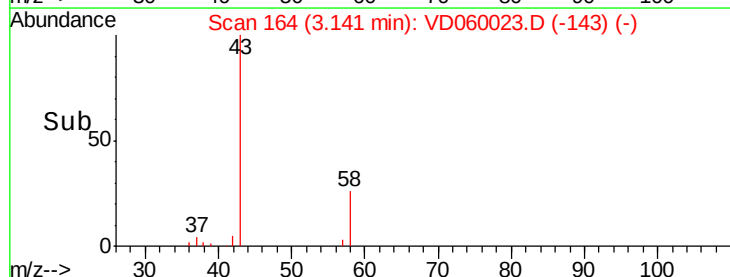
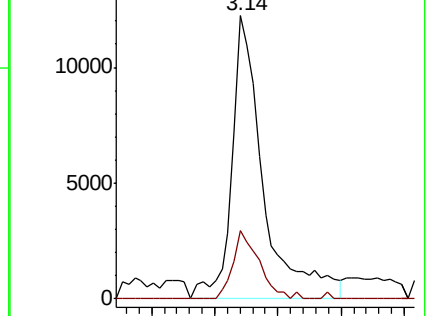
43 100

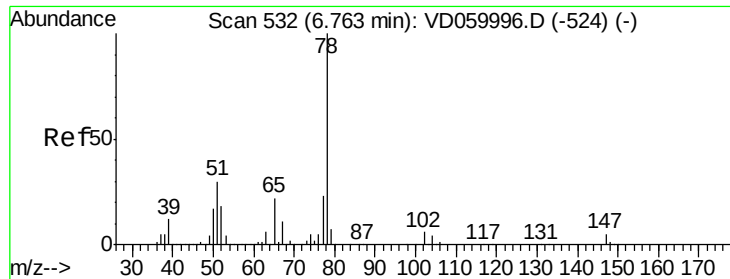
58 24.3 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

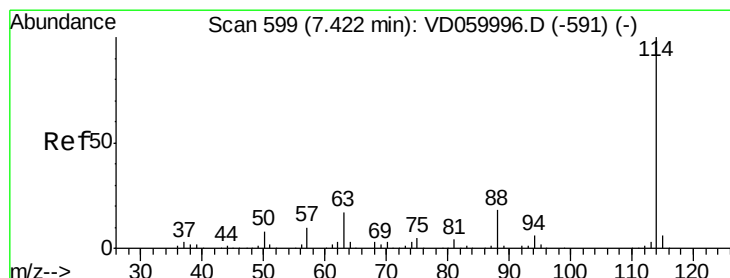
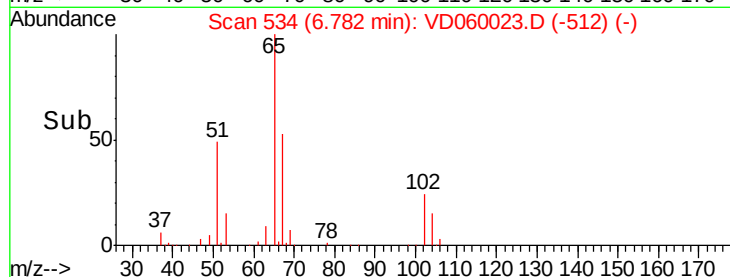
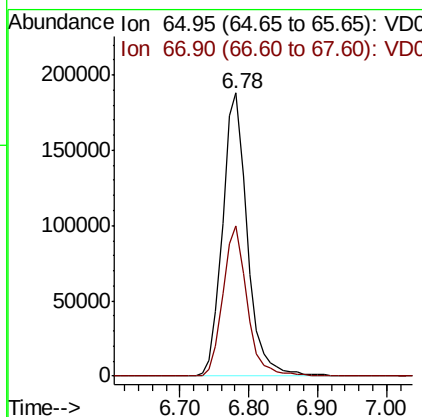
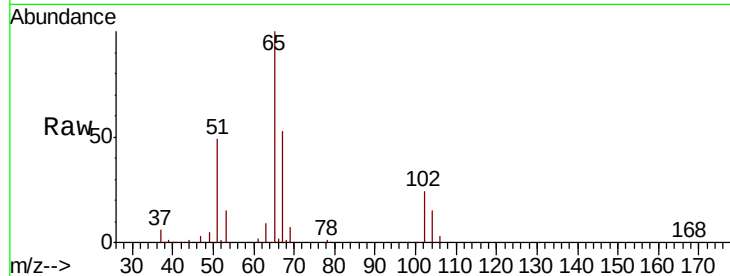




#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 6.78 min Scan# 534  
 Delta R.T. 0.02 min  
 Lab File: VD060023.D  
 Acq: 17 Sep 2018 16:06

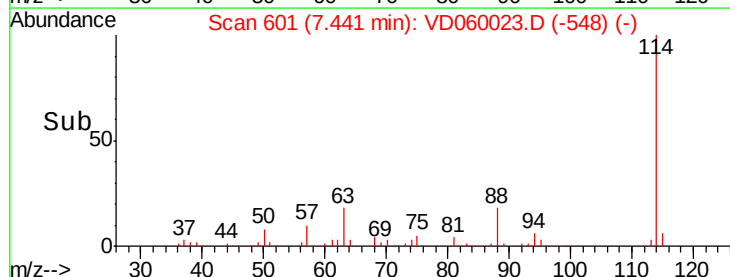
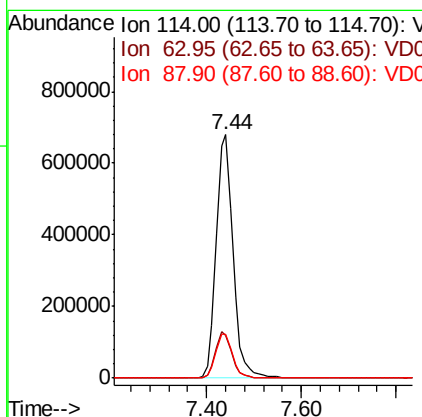
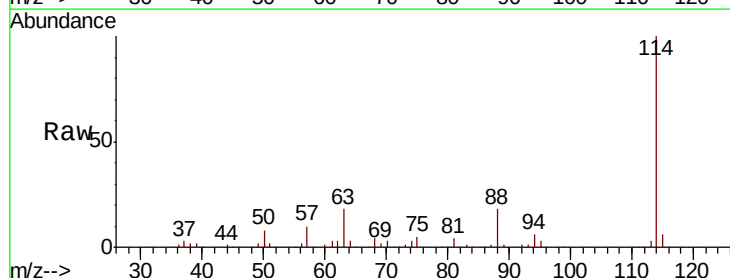
Instrument :  
 MSVOA\_D  
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 CL-01-091418-BRE

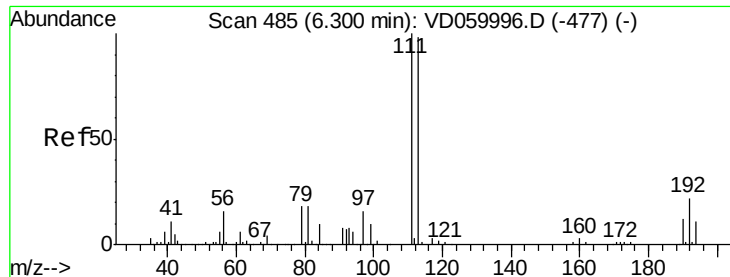
Tot Ion: 65 Resp: 467954  
 Ion Ratio Lower Upper  
 65 100  
 67 53.2 0.0 104.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 7.44 min Scan# 601  
 Delta R.T. 0.02 min  
 Lab File: VD060023.D  
 Acq: 17 Sep 2018 16:06

Tgt Ion: 114 Resp: 1680352  
 Ion Ratio Lower Upper  
 114 100  
 63 17.7 0.0 34.4  
 88 18.2 0.0 35.8

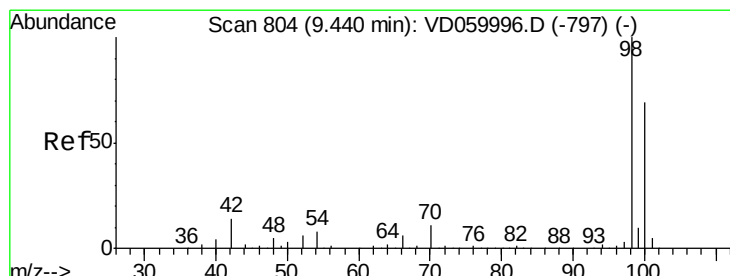
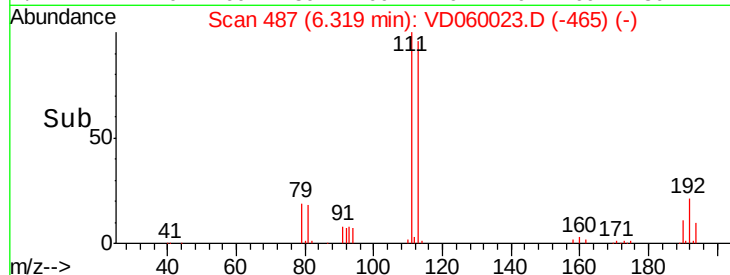
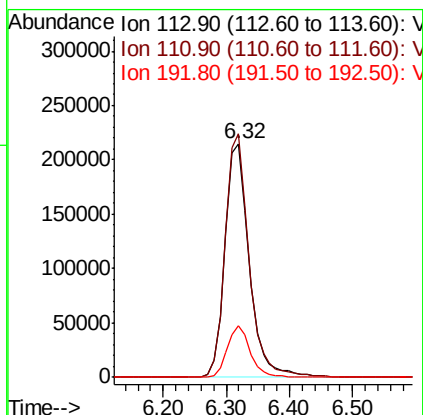
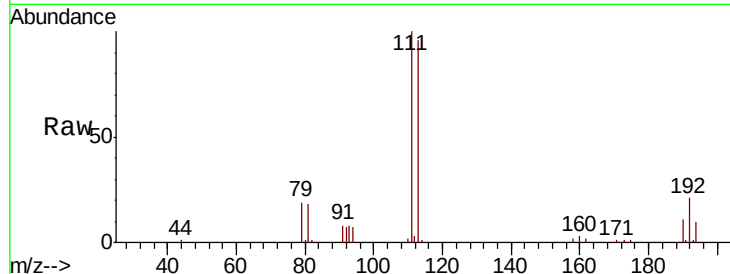




#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 6.32 min Scan# 487  
 Delta R.T. 0.02 min  
 Lab File: VD060023.D  
 Acq: 17 Sep 2018 16:06

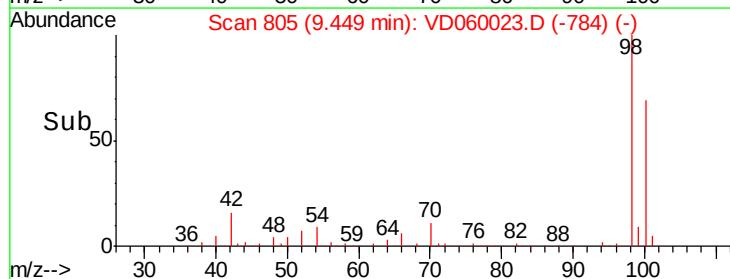
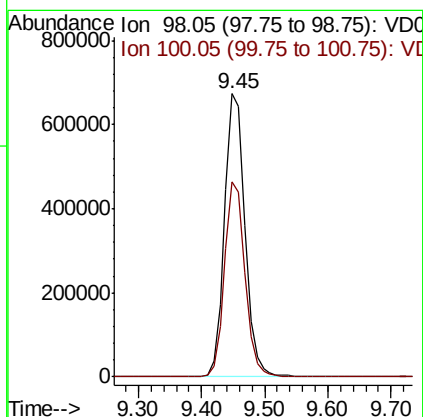
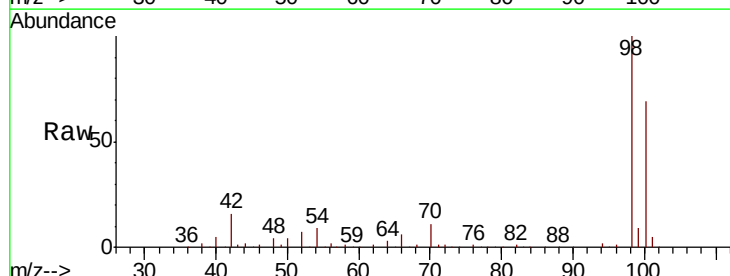
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CL-01-091418-BRE

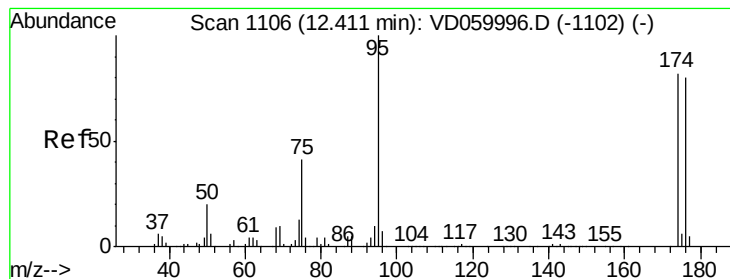
Tot Ion:113 Resp: 573531  
 Ion Ratio Lower Upper  
 113 100  
 111 104.3 81.3 121.9  
 192 22.2 18.1 27.1



#50  
 Toluene-d8  
 Concen: N.D. ug/l  
 RT: 9.45 min Scan# 805  
 Delta R.T. 0.01 min  
 Lab File: VD060023.D  
 Acq: 17 Sep 2018 16:06

Tgt Ion: 98 Resp: 1518739  
 Ion Ratio Lower Upper  
 98 100  
 100 68.9 55.8 83.6





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060023.D

Acq: 17 Sep 2018 16:06

Instrument :

MSVOA\_D

ClientSampleId :

CL-01-091418-BRE

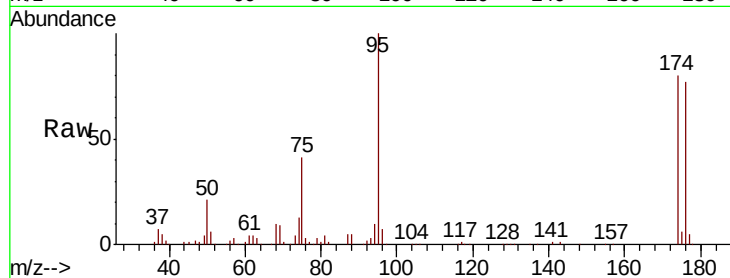
Tot Ion: 95 Resp: 544240

Ion Ratio Lower Upper

95 100

174 79.5 0.0 165.0

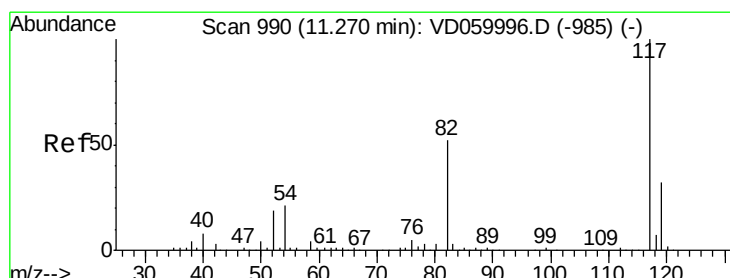
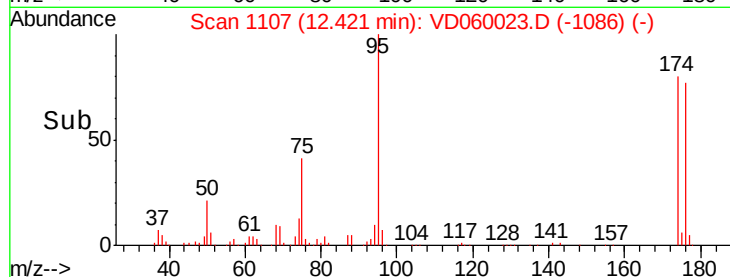
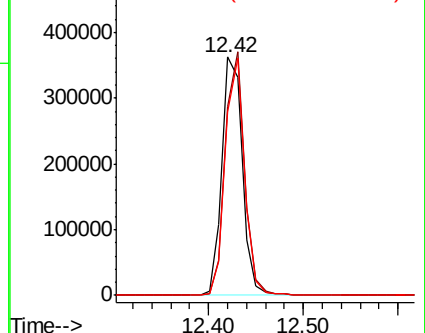
176 77.2 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD060023.D

Acq: 17 Sep 2018 16:06

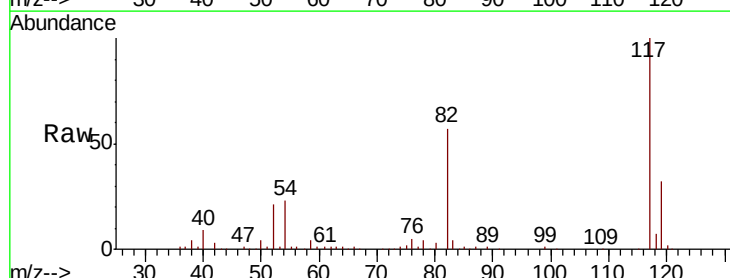
Tgt Ion: 117 Resp: 1277816

Ion Ratio Lower Upper

117 100

82 56.7 41.7 62.5

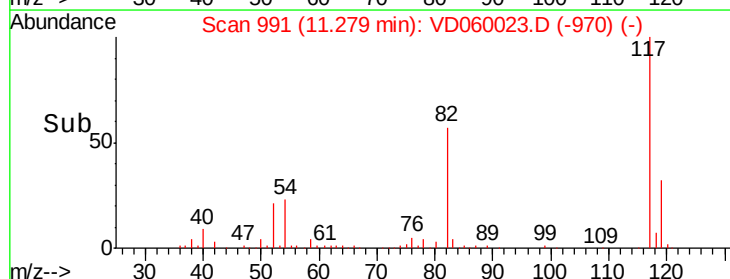
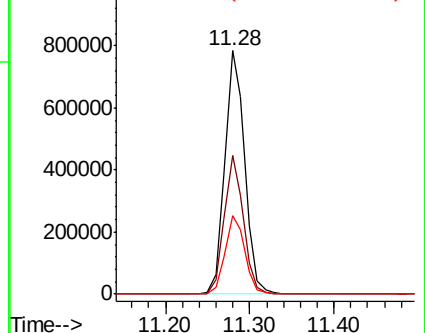
119 32.5 26.0 39.0

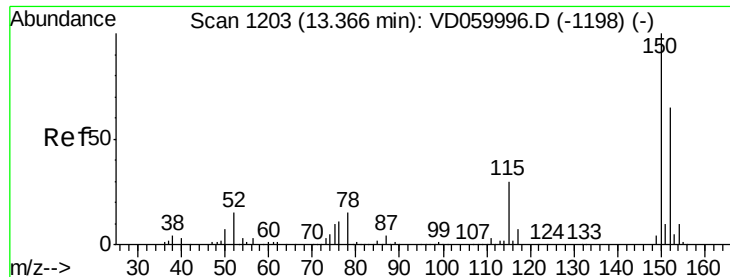


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.38 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060023.D

Acq: 17 Sep 2018 16:06

Instrument :

MSVOA\_D

ClientSampleId :

CL-01-091418-BRE

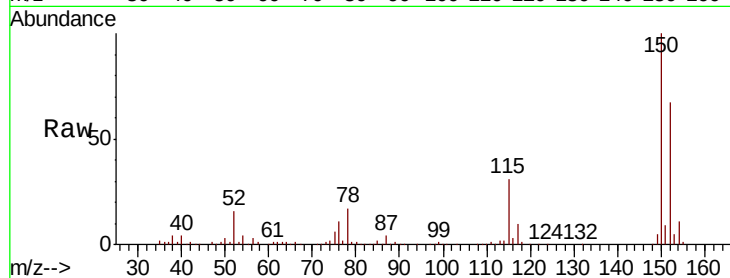
Tot Ion:152 Resp: 586487

Ion Ratio Lower Upper

152 100

115 46.2 24.6 73.8

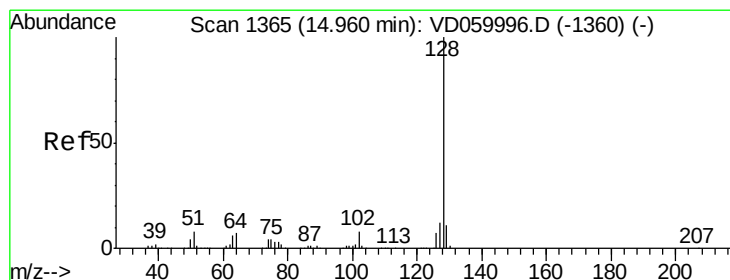
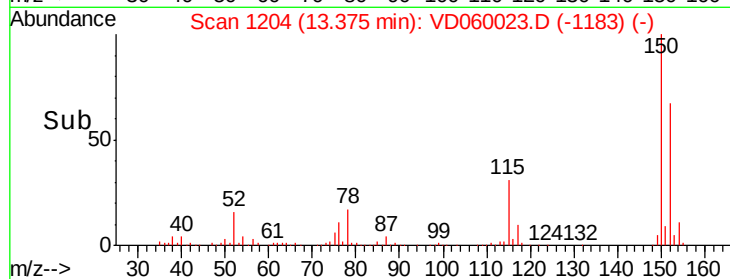
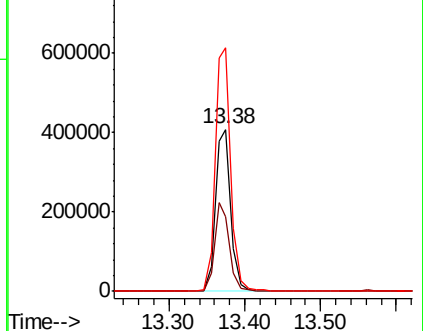
150 150.3 0.0 313.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene

Concen: 15.51 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VD060023.D

Acq: 17 Sep 2018 16:06

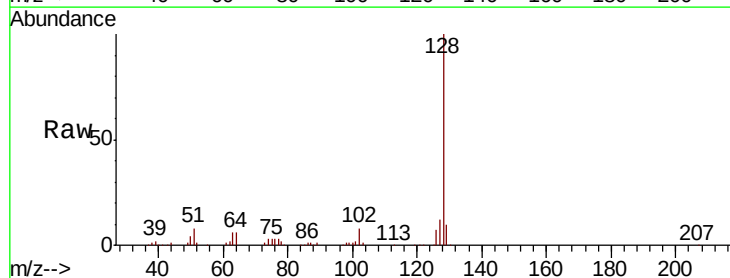
Tgt Ion:128 Resp: 328994

Ion Ratio Lower Upper

128 100

127 11.6 9.7 14.5

129 10.3 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

