

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121718\  
 Data File : VD060599.D  
 Acq On : 17 Dec 2018 15:06  
 Operator : VA/AP  
 Sample : J6397-04  
 Misc : 5.09g/5ml/MSVOA D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EB11 12-14

Quant Time: Dec 18 16:11:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D120518S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 06 01:49:20 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.42  | 168  | 11353    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 7.46  | 114  | 19051    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.29 | 117  | 19855    | 50.00 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 13.38 | 152  | 9966     | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.80  | 65   | 10040    | 124.77 | ug/l  | 0.00     |
| Spiked Amount               |       |      |          |        |       |          |
|                             |       |      |          |        |       |          |
| 35) Dibromofluoromethane    | 6.32  | 113  | 9475     | 67.71  | ug/l  | 0.00     |
| Spiked Amount               |       |      |          |        |       |          |
|                             |       |      |          |        |       |          |
| 50) Toluene-d8              | 9.47  | 98   | 18608    | 45.95  | ug/l  | 0.01     |
| Spiked Amount               |       |      |          |        |       |          |
|                             |       |      |          |        |       |          |
| 62) 4-Bromofluorobenzene    | 12.44 | 95   | 6889     | 47.54  | ug/l  | 0.00     |
| Spiked Amount               |       |      |          |        |       |          |
|                             |       |      |          |        |       |          |

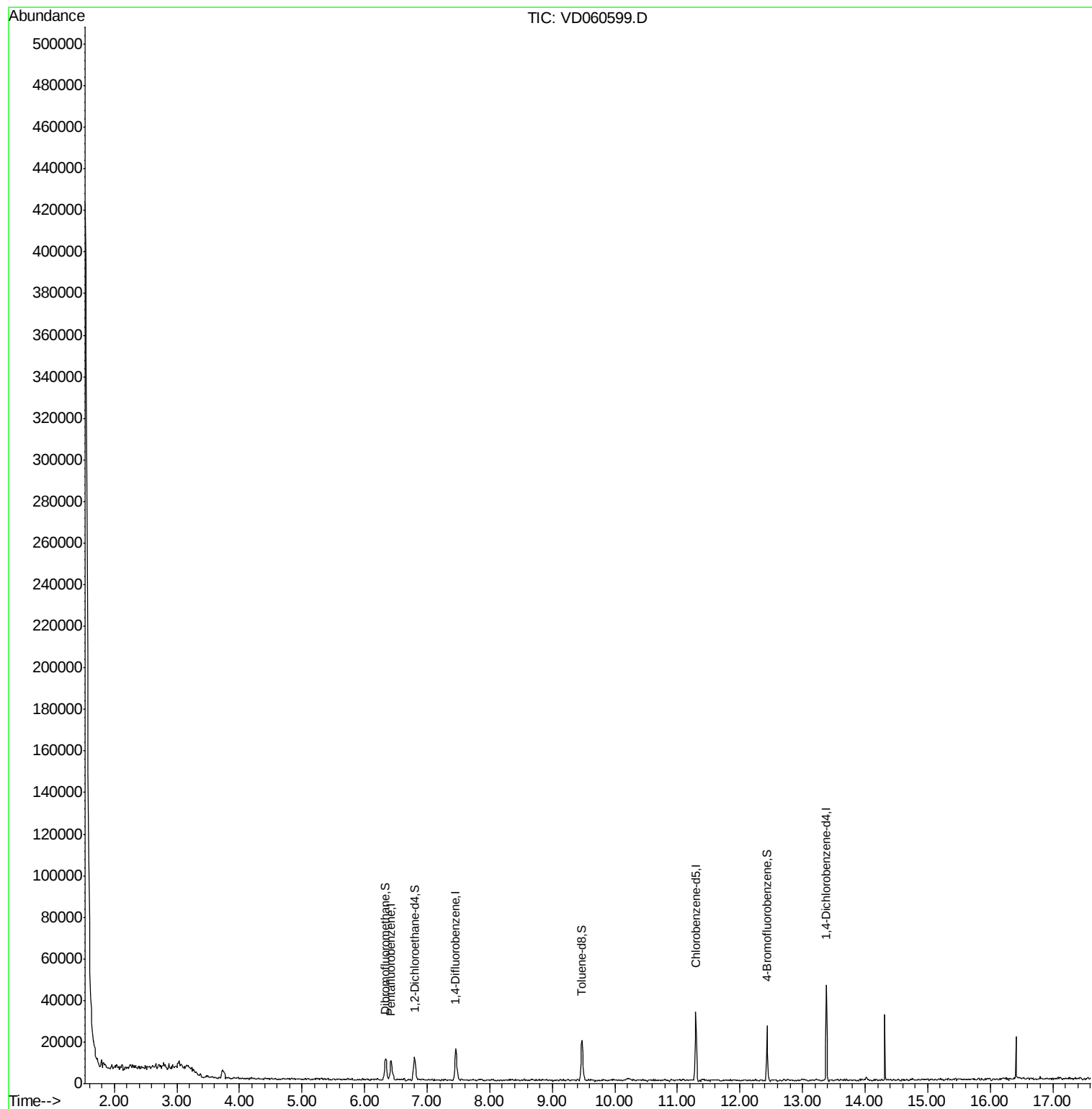
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

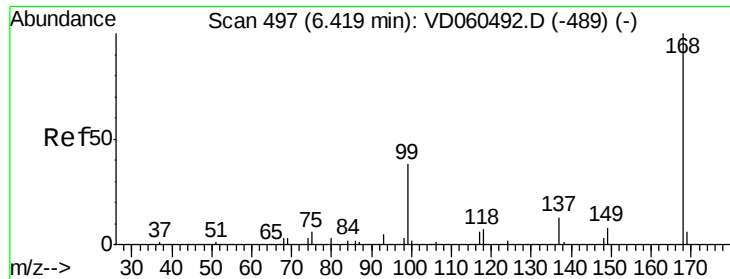
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Dec 06 01:49:20 2018  
Response via : Initial Calibration

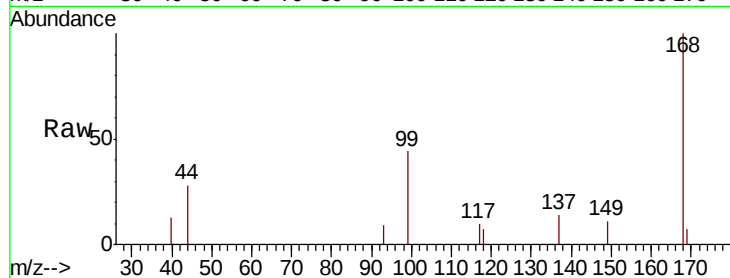




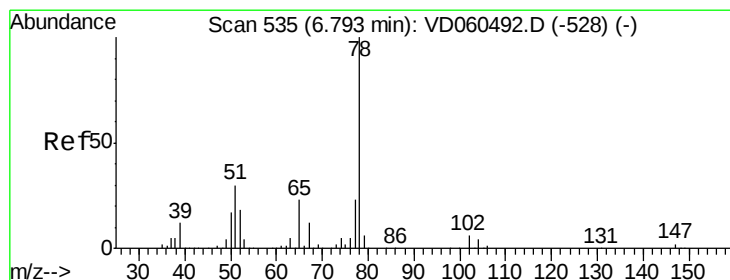
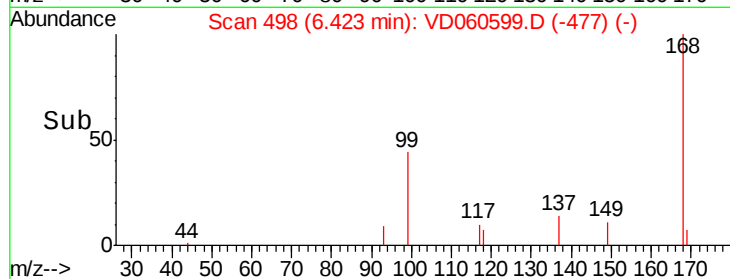
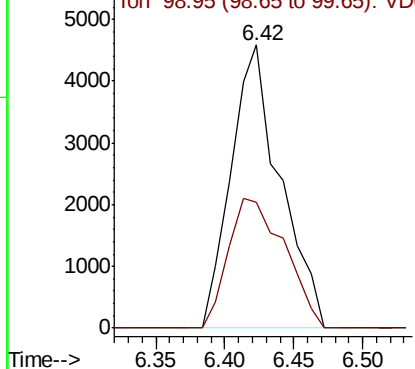
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 6.42 min Scan# 498  
Delta R.T. 0.00 min  
Lab File: VD060599.D  
Acq: 17 Dec 2018 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
EB11\_12-14

Tot Ion:168 Resp: 11353  
Ion Ratio Lower Upper  
168 100  
99 44.4 35.6 53.4

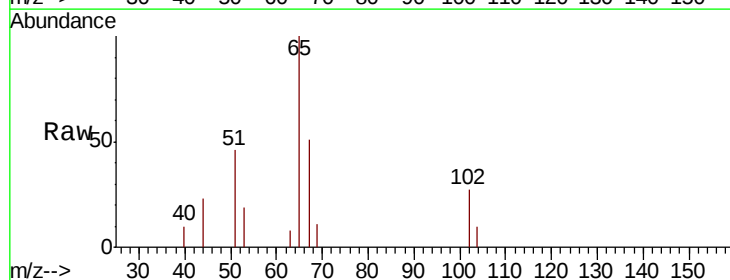


Abundance Ion 167.90 (167.60 to 168.60): V  
Ion 98.95 (98.65 to 99.65): VDC

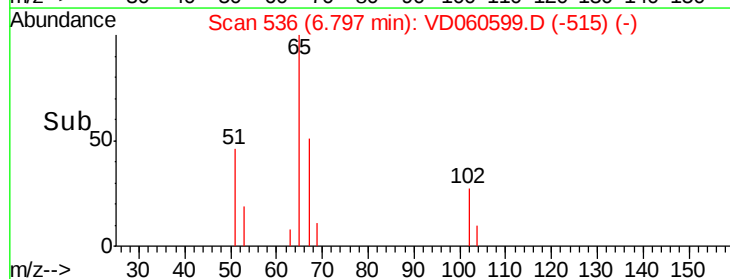
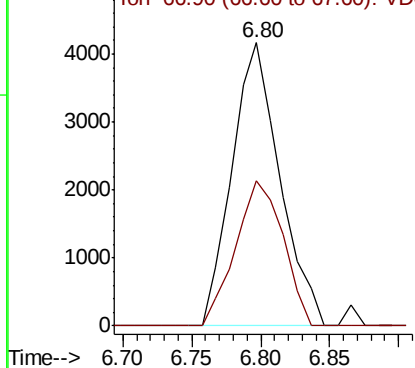


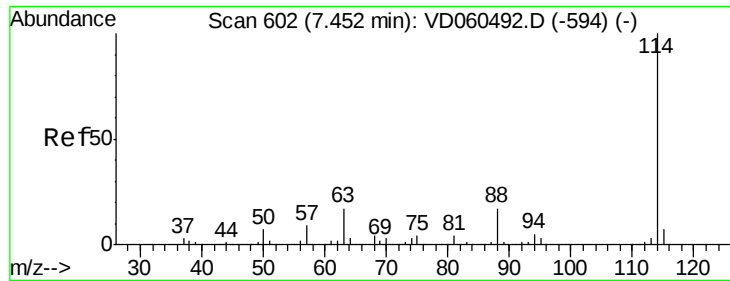
#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 6.80 min Scan# 536  
Delta R.T. 0.00 min  
Lab File: VD060599.D  
Acq: 17 Dec 2018 15:06

Tgt Ion: 65 Resp: 10040  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC  
Ion 66.90 (66.60 to 67.60): VDC

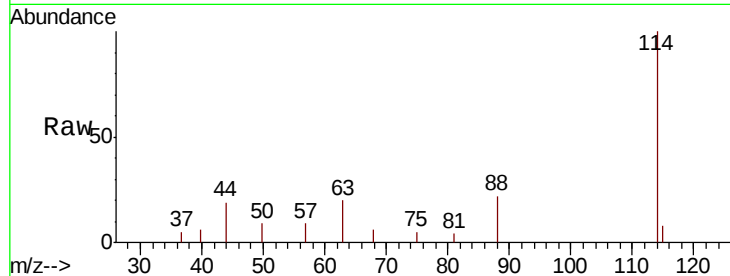




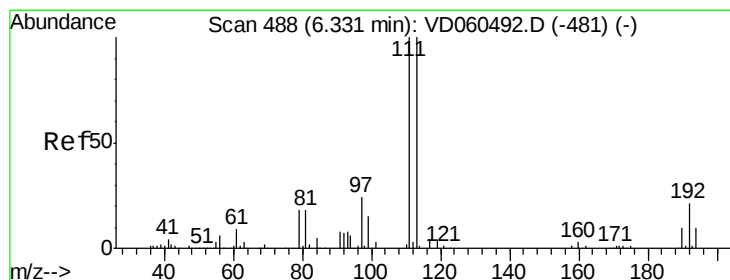
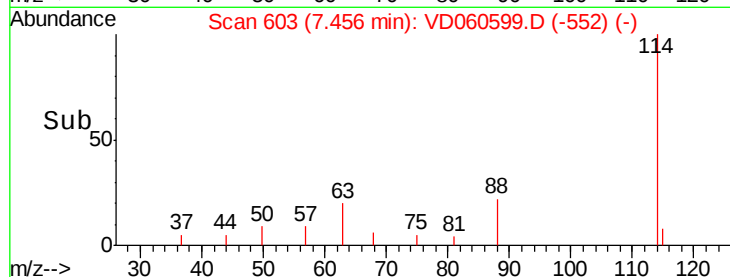
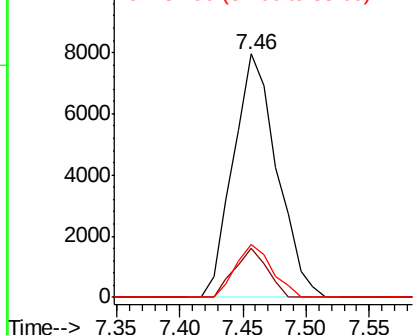
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.46 min Scan# 603  
 Delta R.T. 0.00 min  
 Lab File: VD060599.D  
 Acq: 17 Dec 2018 15:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EB11\_12-14

Tot Ion:114 Resp: 19051  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 34.2  
 88 21.6 0.0 35.0

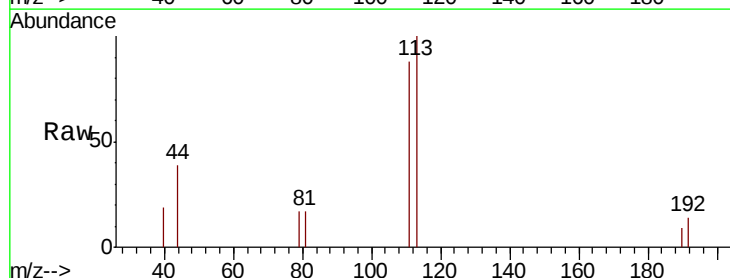


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): V  
 Ion 87.90 (87.60 to 88.60): V

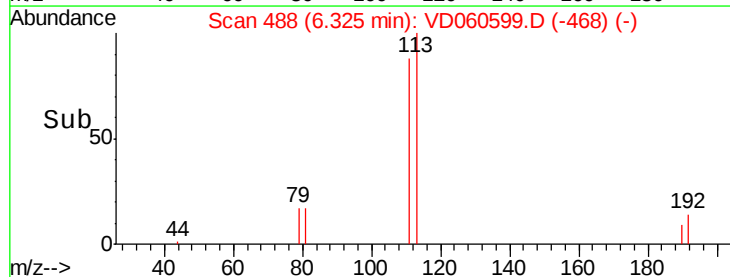
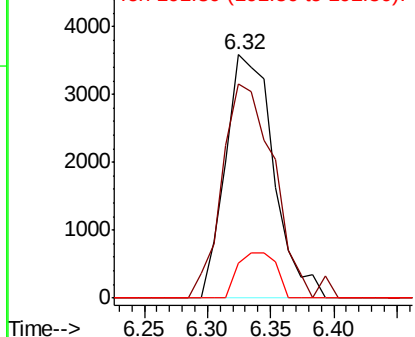


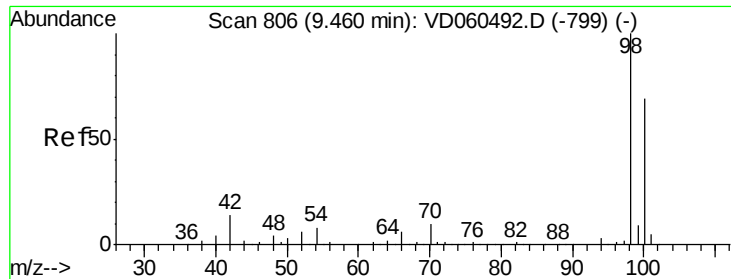
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.32 min Scan# 488  
 Delta R.T. -0.01 min  
 Lab File: VD060599.D  
 Acq: 17 Dec 2018 15:06

Tgt Ion:113 Resp: 9475  
 Ion Ratio Lower Upper  
 113 100  
 111 87.9 80.2 120.4  
 192 14.2 16.6 24.8#



Abundance Ion 112.90 (112.60 to 113.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.47 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060599.D

Acq: 17 Dec 2018 15:06

Instrument :

MSVOA\_D

ClientSampleId :

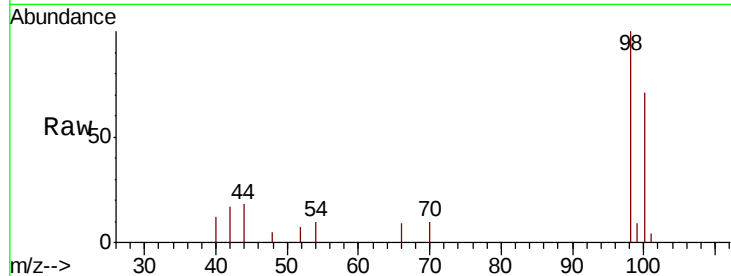
EB11\_12-14

Tot Ion: 98 Resp: 18608

Ion Ratio Lower Upper

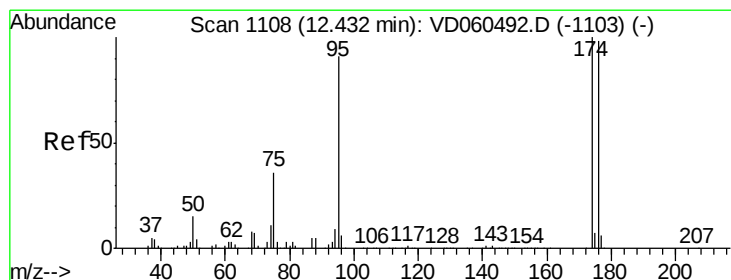
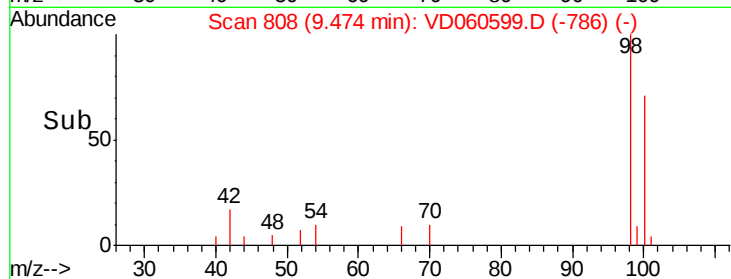
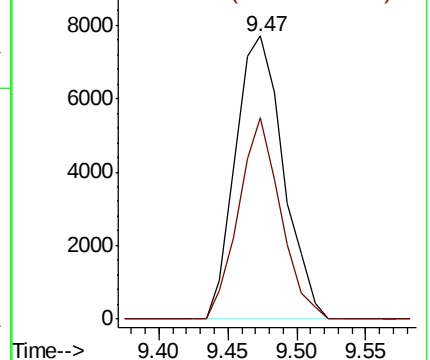
98 100

100 71.0 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060599.D

Acq: 17 Dec 2018 15:06

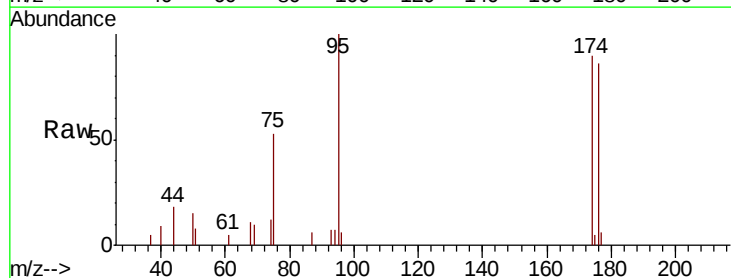
Tgt Ion: 95 Resp: 6889

Ion Ratio Lower Upper

95 100

174 89.7 0.0 219.4

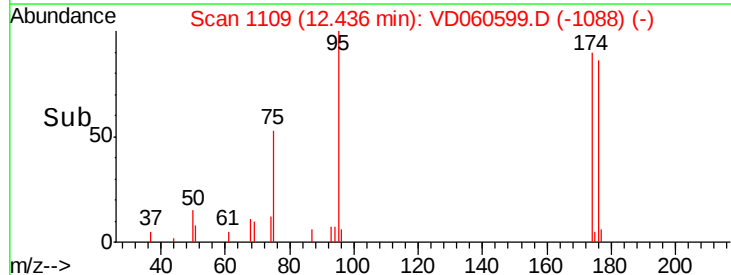
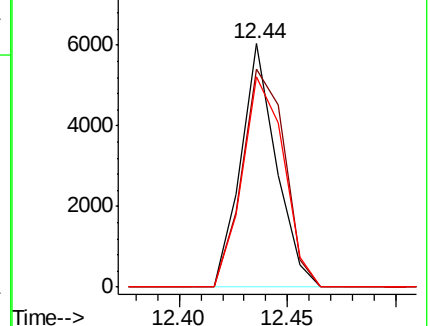
176 86.4 0.0 214.6

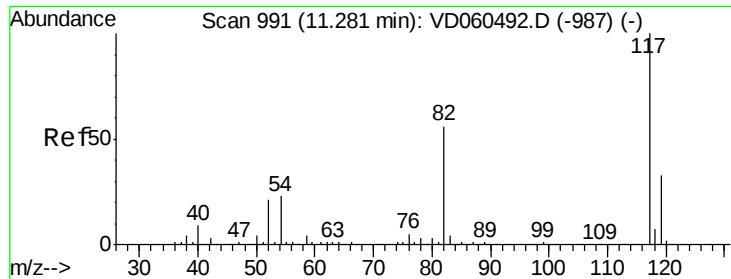


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.29 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD060599.D

Acq: 17 Dec 2018 15:06

Instrument :

MSVOA\_D

ClientSampleId :

EB11 12-14

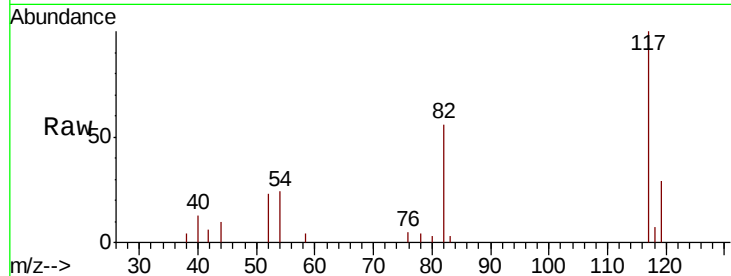
Tot Ion:117 Resp: 19855

Ion Ratio Lower Upper

117 100

82 55.7 45.2 67.8

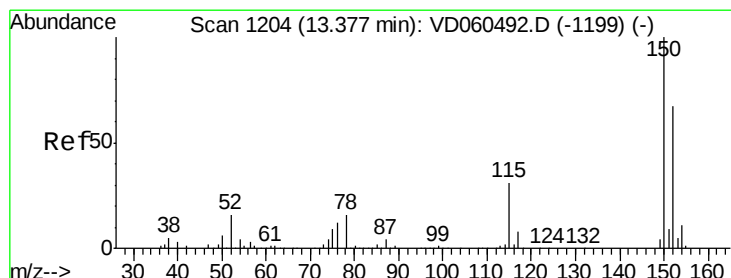
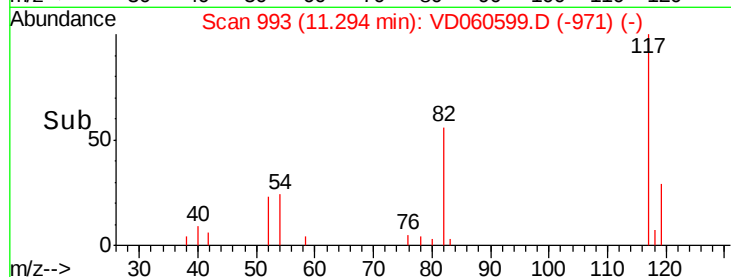
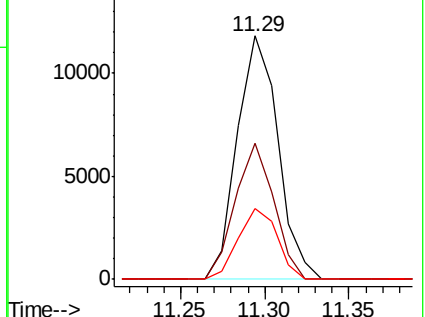
119 29.2 26.1 39.1



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: 50.000 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD060599.D

Acq: 17 Dec 2018 15:06

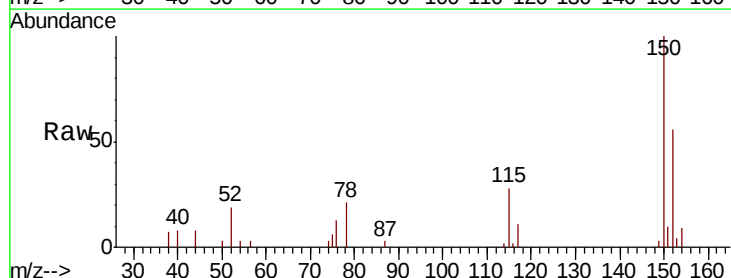
Tgt Ion:152 Resp: 9966

Ion Ratio Lower Upper

152 100

115 50.6 24.6 74.0

150 179.6 0.0 309.0



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

