

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102418\  
 Data File : VD060184.D  
 Acq On : 24 Oct 2018 16:18  
 Operator : JC/SY  
 Sample : J5199-05  
 Misc : 6.44g/5ml/MSVOA D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OK-03-102318

Quant Time: Oct 25 04:15:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 06:56:35 2018  
 Response via : Initial Calibration

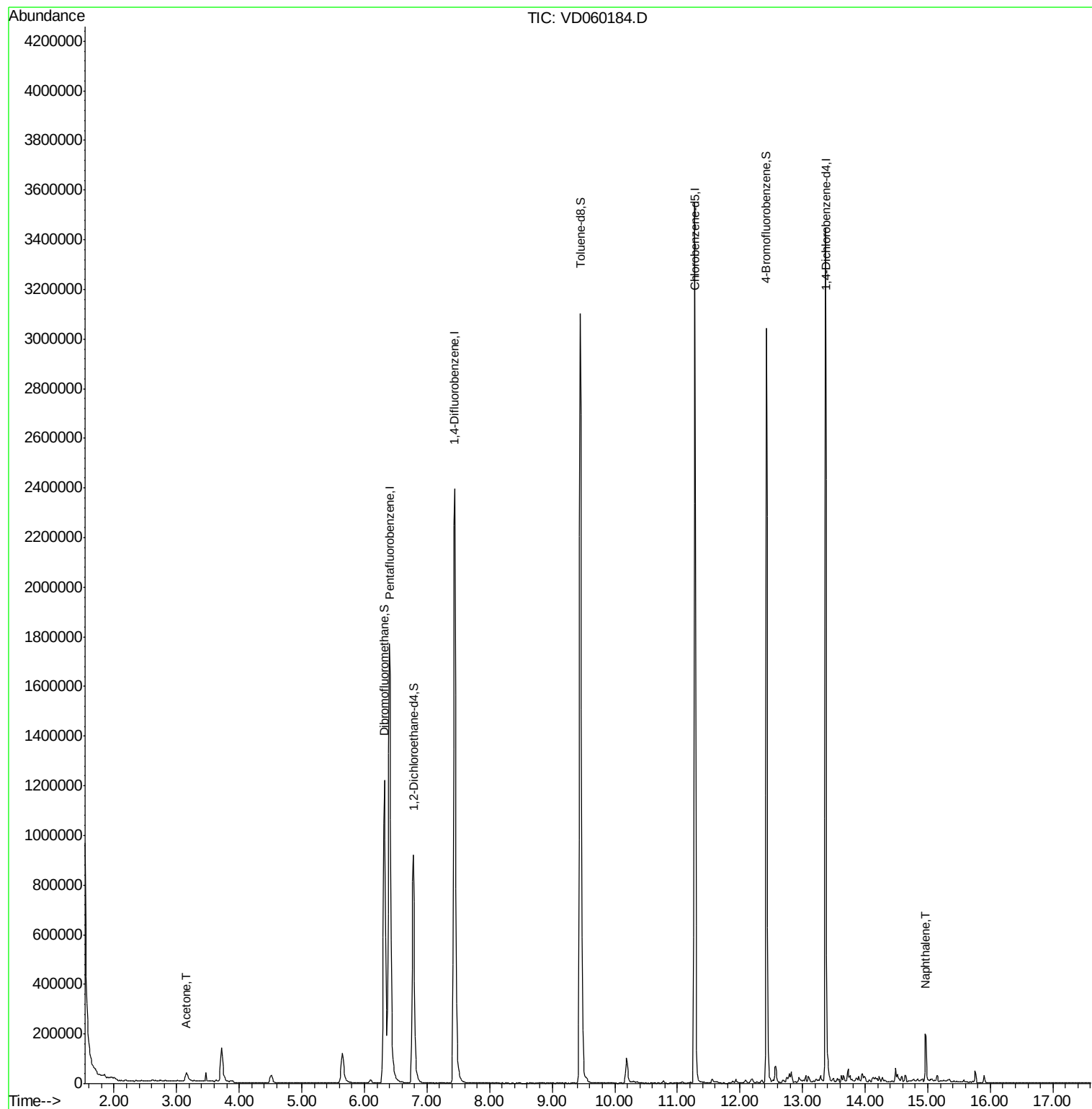
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 6.40  | 168  | 1776832  | 50.00  | ug/l    | 0.01     |
| 34) 1,4-Difluorobenzene     | 7.44  | 114  | 2541589  | 50.00  | ug/l    | 0.02     |
| 63) Chlorobenzene-d5        | 11.28 | 117  | 1900934  | 50.00  | ug/l    | 0.01     |
| 72) 1,4-Dichlorobenzene-d4  | 13.37 | 152  | 792366   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.78  | 65   | 772055   | 57.32  | ug/l    | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 114.64% |          |
| 35) Dibromofluoromethane    | 6.32  | 113  | 971325   | 50.33  | ug/l    | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.66% |          |
| 50) Toluene-d8              | 9.45  | 98   | 2562935  | 46.57  | ug/l    | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.14%  |          |
| 62) 4-Bromofluorobenzene    | 12.42 | 95   | 886929   | 43.04  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.08%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.15  | 43   | 74589    | 30.520 | ug/l    | 94       |
| 95) Naphthalene             | 14.97 | 128  | 127402   | 4.550  | ug/l    | 98       |

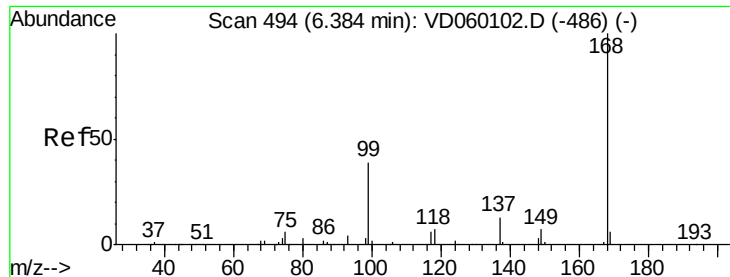
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 02 06:56:35 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060184.D

Acq: 24 Oct 2018 16:18

Instrument :

MSVOA\_D

ClientSampleId :

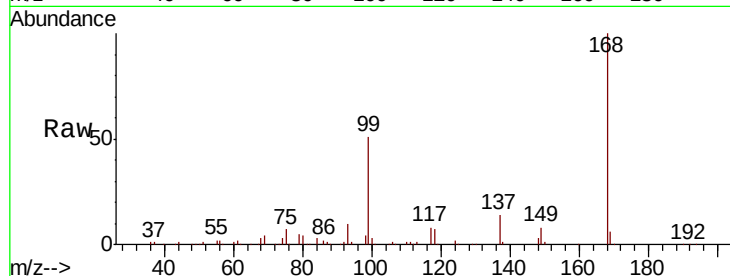
OK-03-102318

Tot Ion:168 Resp: 1776832

Ion Ratio Lower Upper

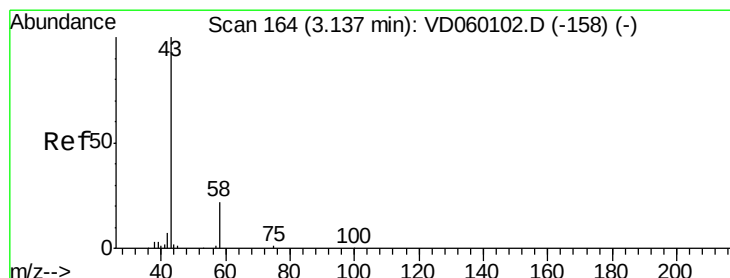
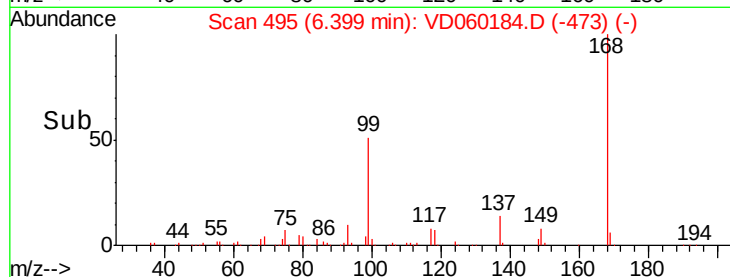
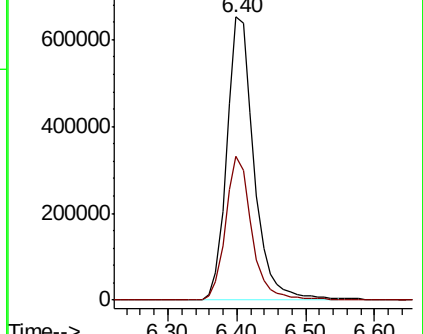
168 100

99 50.7 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 30.520 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060184.D

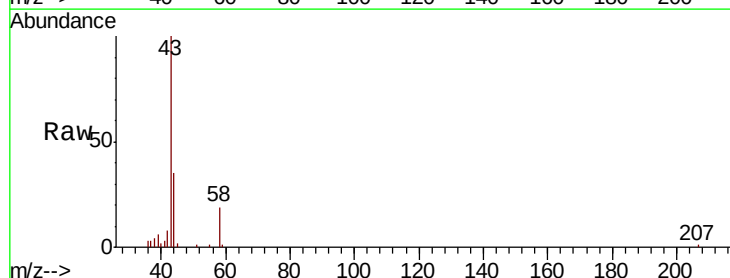
Acq: 24 Oct 2018 16:18

Tgt Ion: 43 Resp: 74589

Ion Ratio Lower Upper

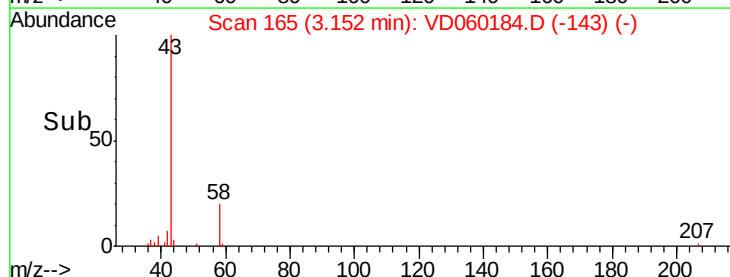
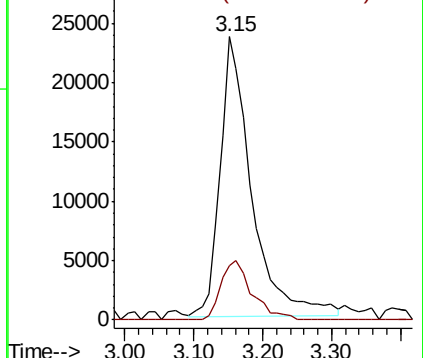
43 100

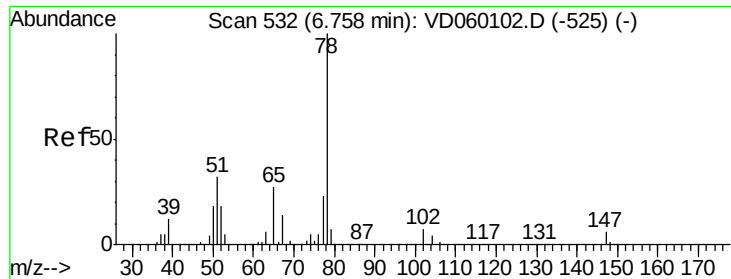
58 19.1 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

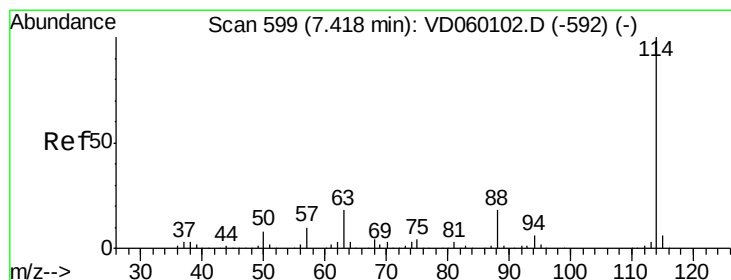
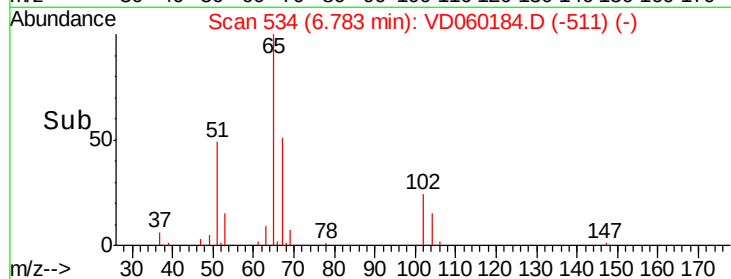
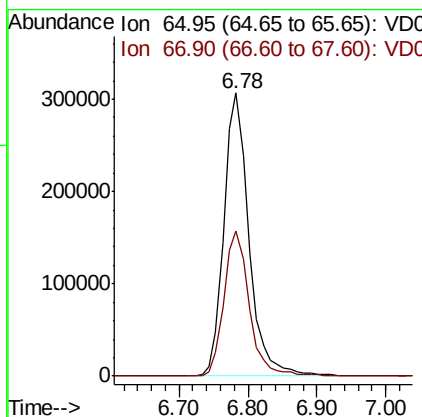
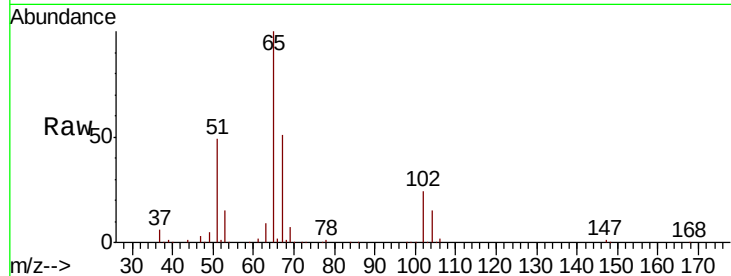




#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 6.78 min Scan# 534  
 Delta R.T. 0.02 min  
 Lab File: VD060184.D  
 Acq: 24 Oct 2018 16:18

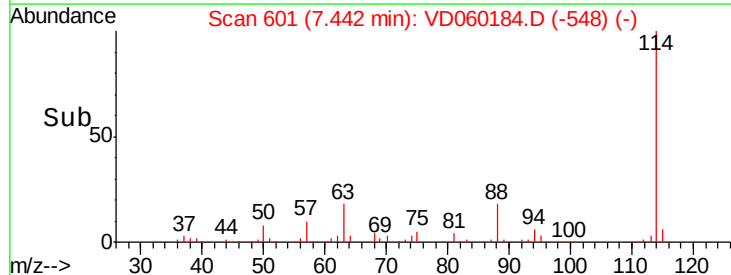
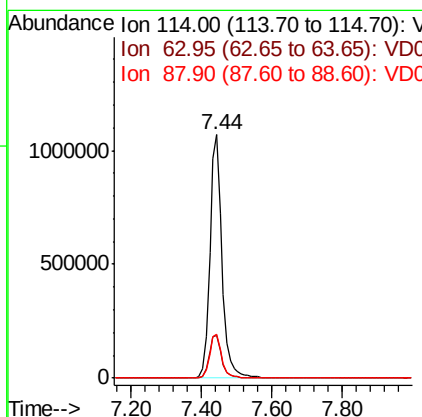
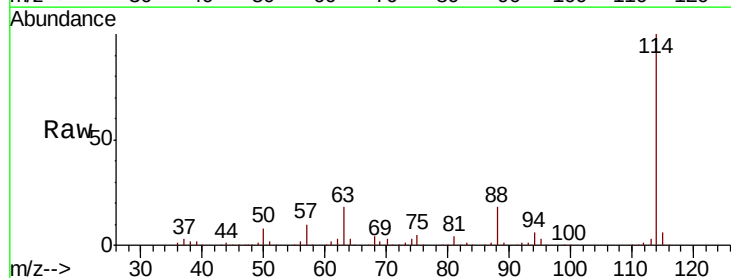
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OK-03-102318

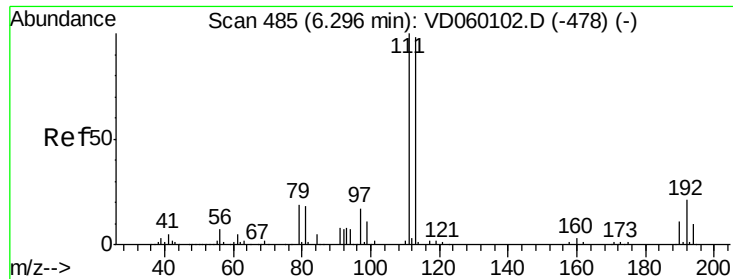
Tot Ion: 65 Resp: 772055  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 106.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.44 min Scan# 601  
 Delta R.T. 0.02 min  
 Lab File: VD060184.D  
 Acq: 24 Oct 2018 16:18

Tgt Ion: 114 Resp: 2541589  
 Ion Ratio Lower Upper  
 114 100  
 63 17.8 0.0 36.0  
 88 17.9 0.0 36.2

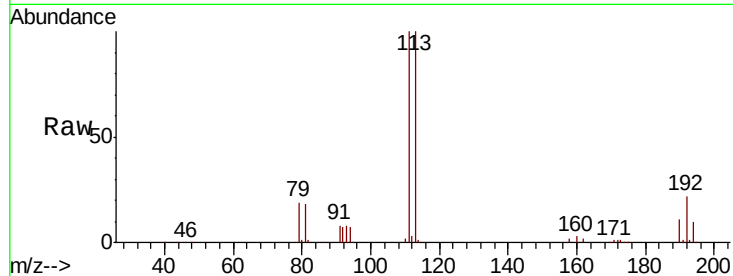




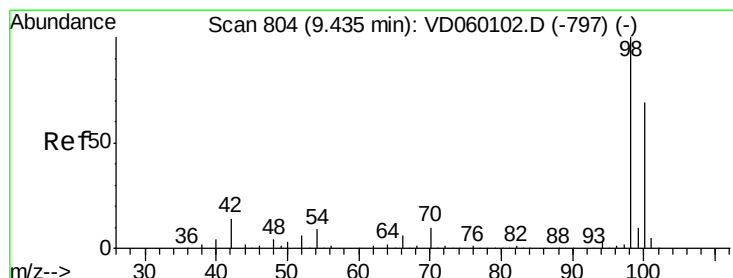
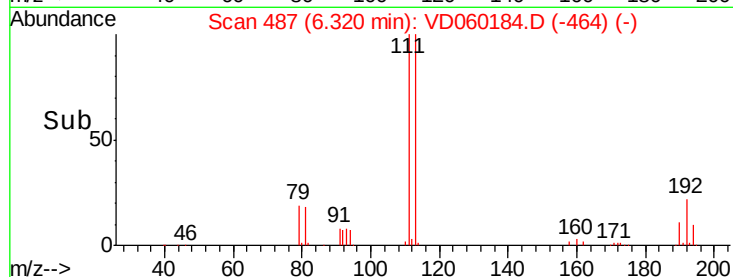
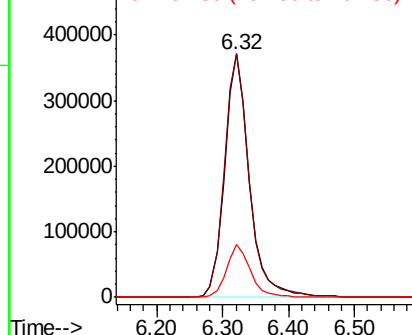
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 6.32 min Scan# 487  
Delta R.T. 0.02 min  
Lab File: VD060184.D  
Acq: 24 Oct 2018 16:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
OK-03-102318

Tot Ion:113 Resp: 971325  
Ion Ratio Lower Upper  
113 100  
111 100.1 81.5 122.3  
192 21.8 17.4 26.0

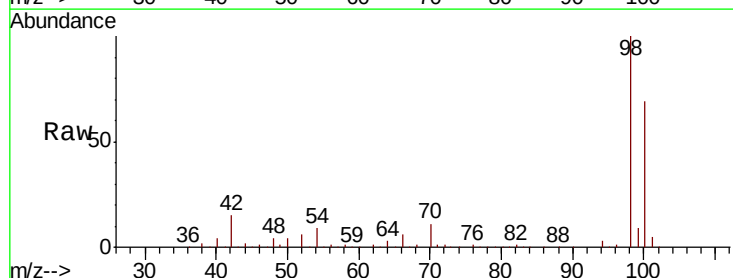


Abundance Ion 112.90 (112.60 to 113.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 191.80 (191.50 to 192.50): V

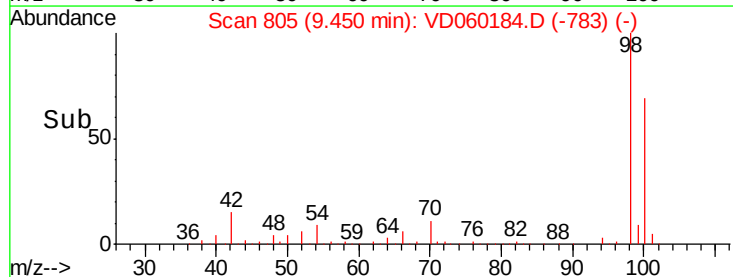
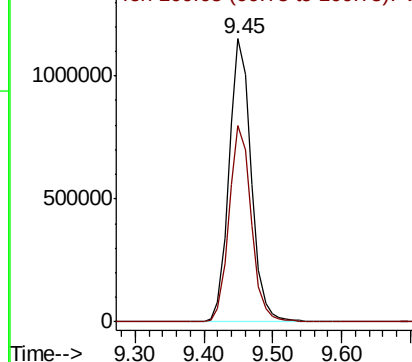


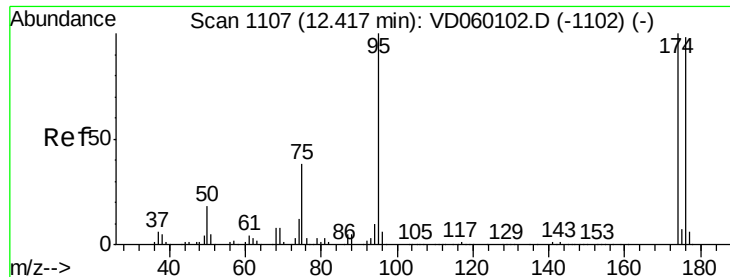
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 9.45 min Scan# 805  
Delta R.T. 0.01 min  
Lab File: VD060184.D  
Acq: 24 Oct 2018 16:18

Tgt Ion: 98 Resp: 2562935  
Ion Ratio Lower Upper  
98 100  
100 69.3 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VD  
Ion 100.05 (99.75 to 100.75): VD





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060184.D

Acq: 24 Oct 2018 16:18

Instrument :

MSVOA\_D

ClientSampleId :

OK-03-102318

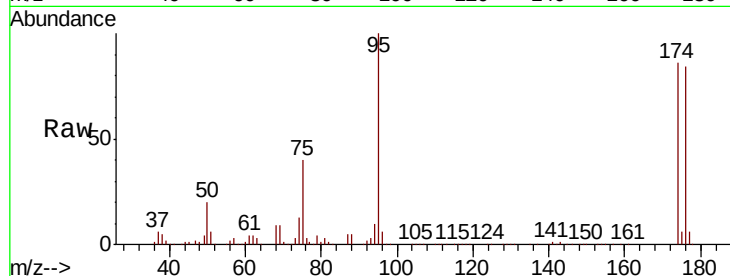
Tot Ion: 95 Resp: 886929

Ion Ratio Lower Upper

95 100

174 86.3 0.0 200.2

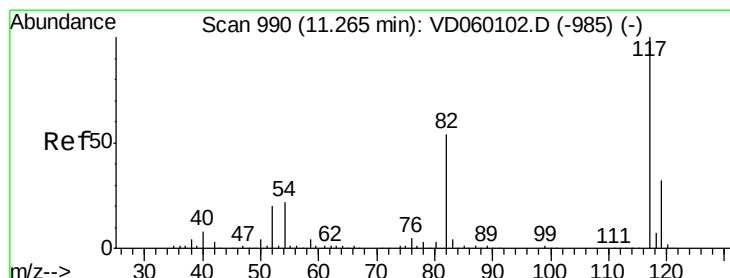
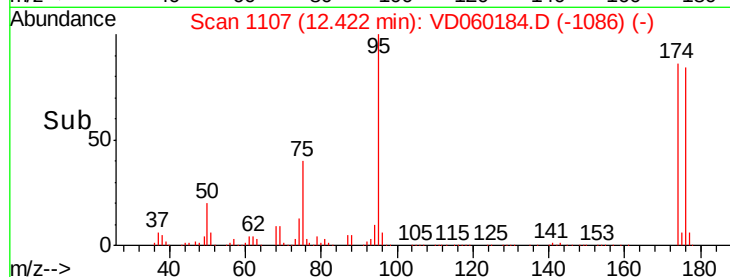
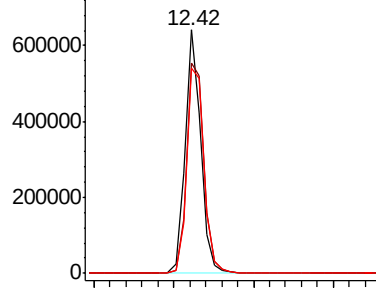
176 84.3 0.0 195.6



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: 50.000 ug/l

RT: 11.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD060184.D

Acq: 24 Oct 2018 16:18

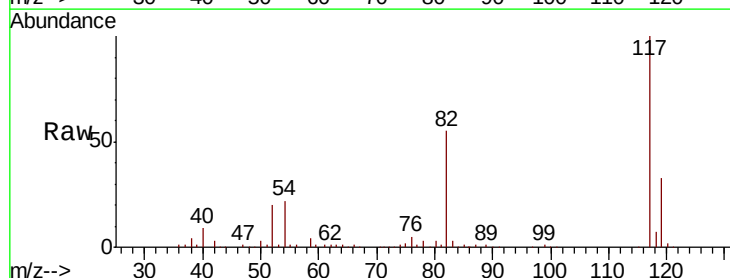
Tgt Ion: 117 Resp: 1900934

Ion Ratio Lower Upper

117 100

82 54.9 43.4 65.2

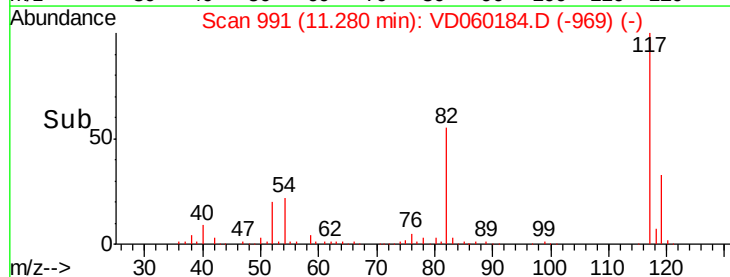
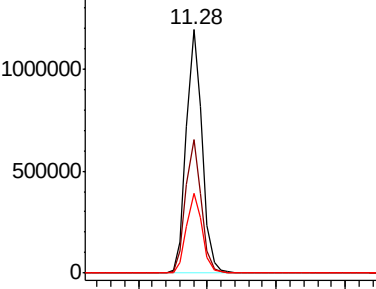
119 32.5 26.0 39.0

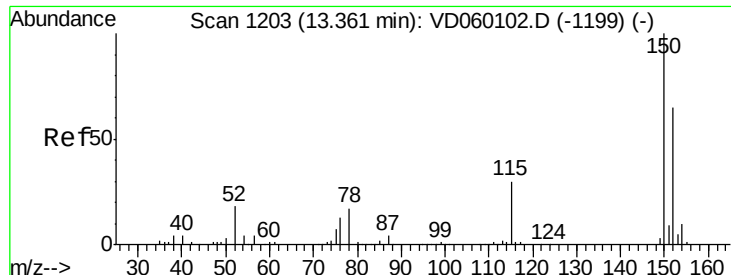


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD060184.D

Acq: 24 Oct 2018 16:18

Instrument :

MSVOA\_D

ClientSampleId :

OK-03-102318

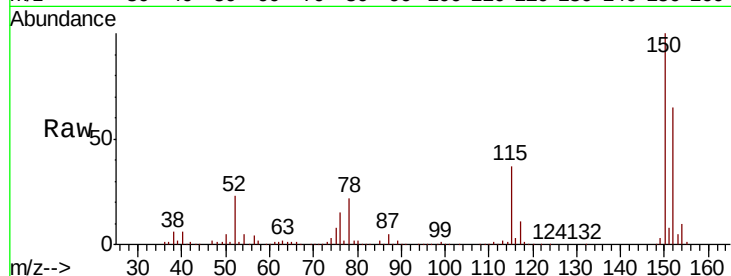
Tot Ion:152 Resp: 792366

Ion Ratio Lower Upper

152 100

115 56.3 27.1 81.2

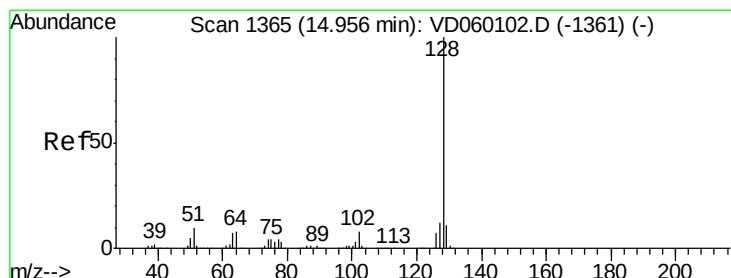
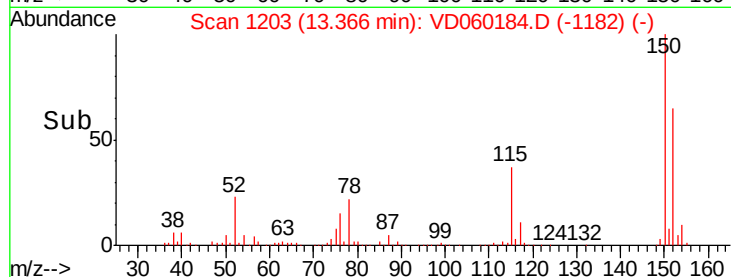
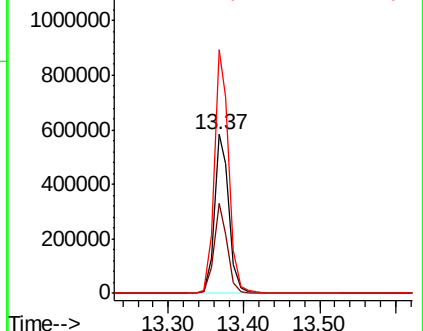
150 153.3 0.0 311.8



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: 4.550 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VD060184.D

Acq: 24 Oct 2018 16:18

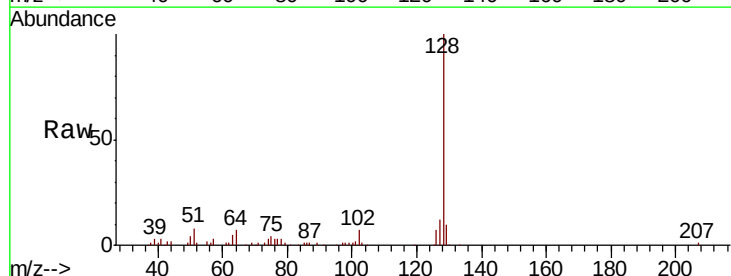
Tgt Ion:128 Resp: 127402

Ion Ratio Lower Upper

128 100

127 11.8 9.9 14.9

129 9.7 8.8 13.2



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

