

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111218\  
 Data File : VD060330.D  
 Acq On : 12 Nov 2018 11:04  
 Operator : VA/AP  
 Sample : VD1112SBL01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1112SBL01

Quant Time: Nov 13 00:49:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 06 13:56:04 2018  
 Response via : Initial Calibration

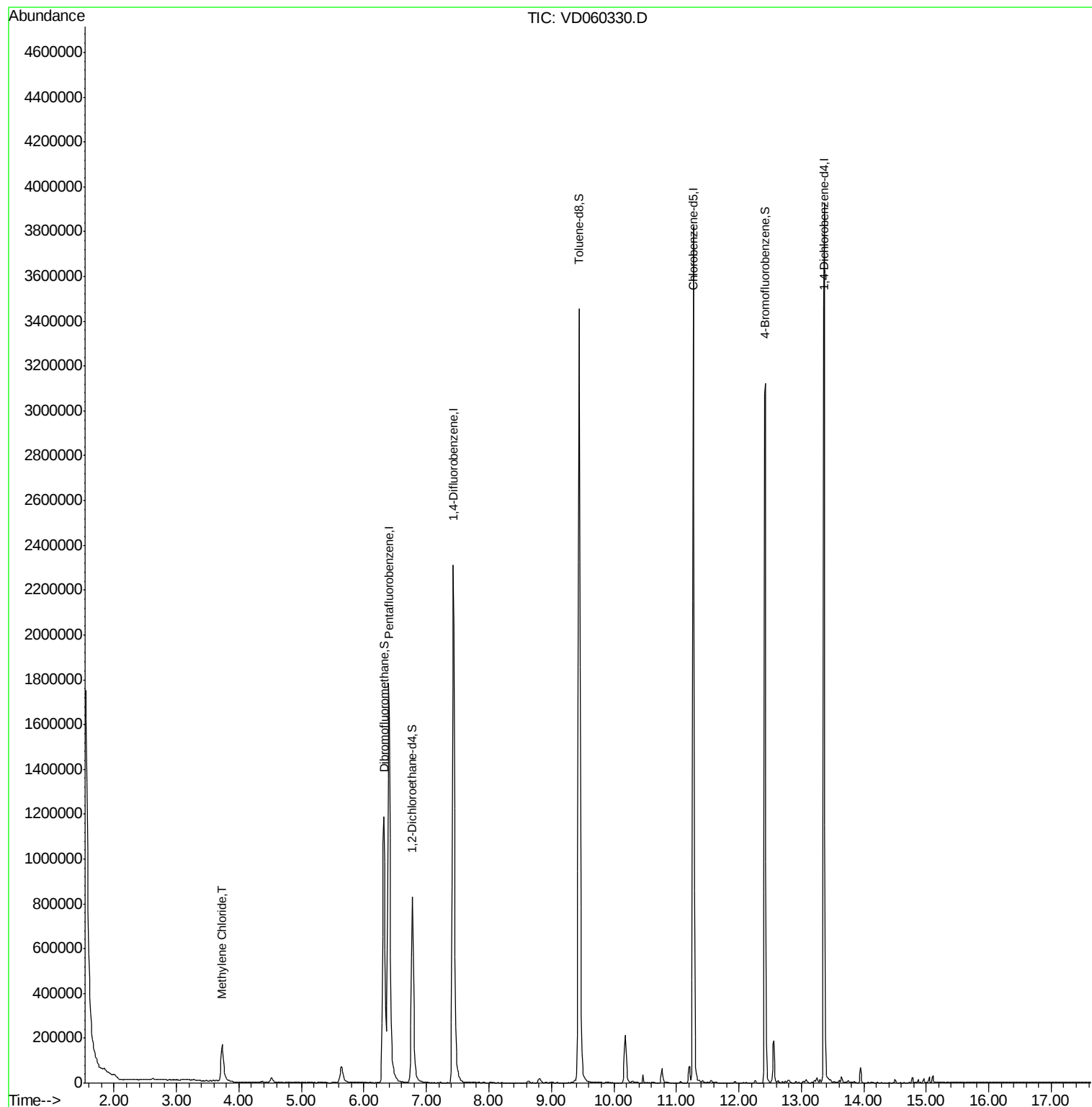
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 6.40  | 168  | 1789956  | 50.00 | ug/l    | -0.03     |
| 34) 1,4-Difluorobenzene     | 7.43  | 114  | 2524255  | 50.00 | ug/l    | -0.03     |
| 63) Chlorobenzene-d5        | 11.27 | 117  | 2025013  | 50.00 | ug/l    | -0.03     |
| 72) 1,4-Dichlorobenzene-d4  | 13.37 | 152  | 979423   | 50.00 | ug/l    | -0.02     |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.78  | 65   | 720311   | 56.20 | ug/l    | -0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.40% |           |
| 35) Dibromofluoromethane    | 6.32  | 113  | 991854   | 52.69 | ug/l    | -0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.38% |           |
| 50) Toluene-d8              | 9.44  | 98   | 2903509  | 52.70 | ug/l    | -0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.40% |           |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 999094   | 50.05 | ug/l    | -0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.10% |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 3.73  | 84   | 114321   | 5.797 | ug/l    | Qvalue 98 |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111218\  
Data File : VD060330.D  
Acq On : 12 Nov 2018 11:04  
Operator : VA/AP  
Sample : VD1112SBL01  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1112SBL01

Quant Time: Nov 13 00:49:54 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 06 13:56:04 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060330.D

Acq: 12 Nov 2018 11:04

Instrument :

MSVOA\_D

ClientSampleId :

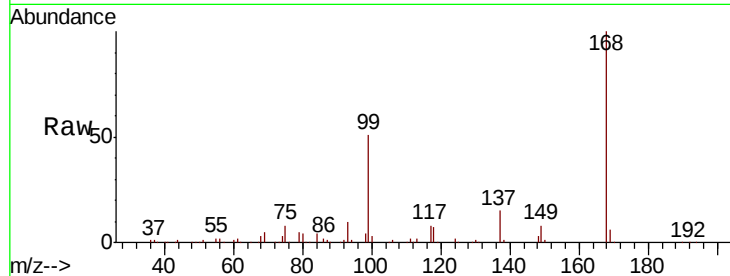
VD1112SBL01

Tot Ion:168 Resp: 1789956

Ion Ratio Lower Upper

168 100

99 51.3 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

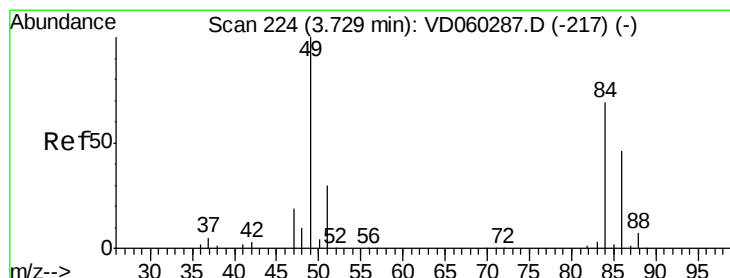
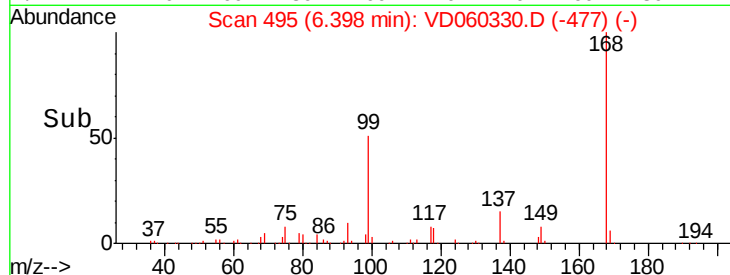
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 5.797 ug/l

RT: 3.73 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD060330.D

Acq: 12 Nov 2018 11:04

Tgt Ion: 84 Resp: 114321

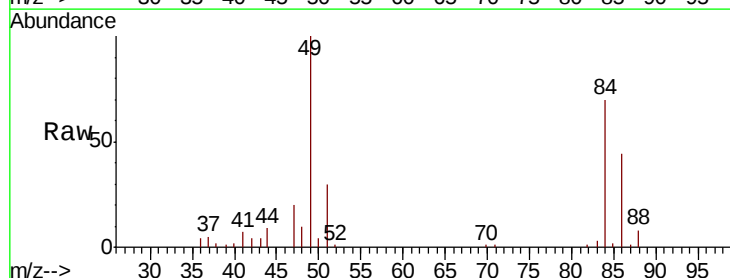
Ion Ratio Lower Upper

84 100

49 142.1 115.6 173.4

51 43.2 35.6 53.4

86 62.5 52.3 78.5



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

80000

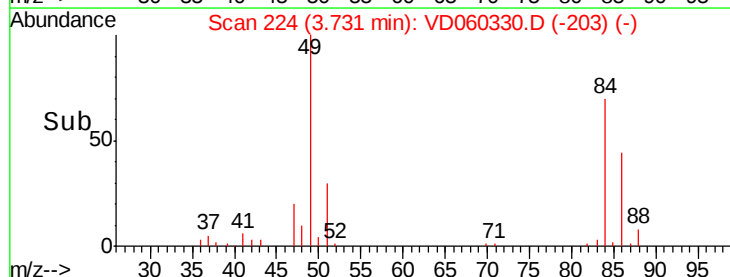
60000

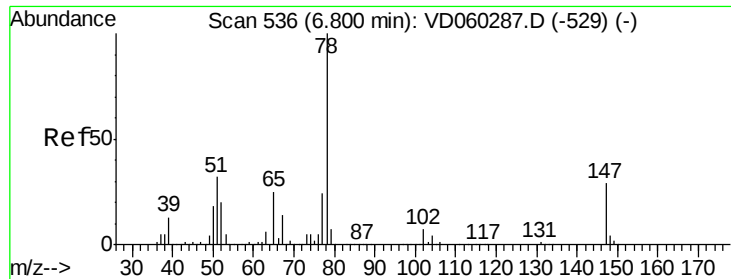
40000

20000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060330.D

Acq: 12 Nov 2018 11:04

Instrument :

MSVOA\_D

ClientSampleId :

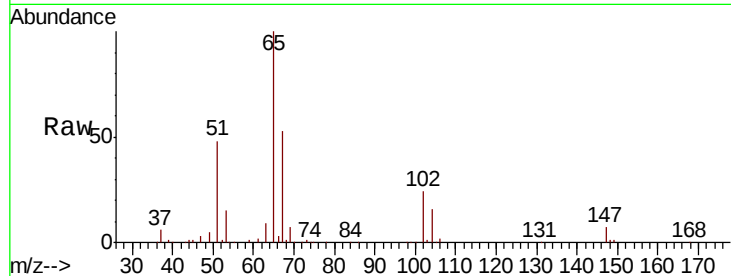
VD1112SBL01

Tot Ion: 65 Resp: 720311

Ion Ratio Lower Upper

65 100

67 52.6 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.78

250000

200000

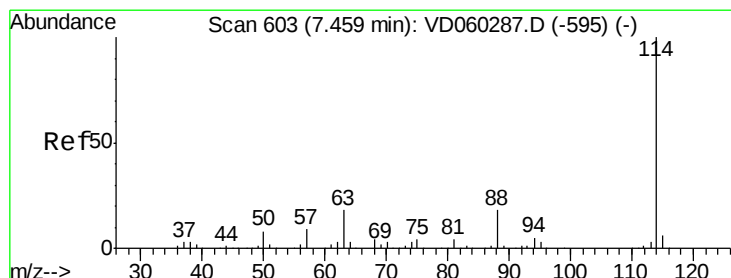
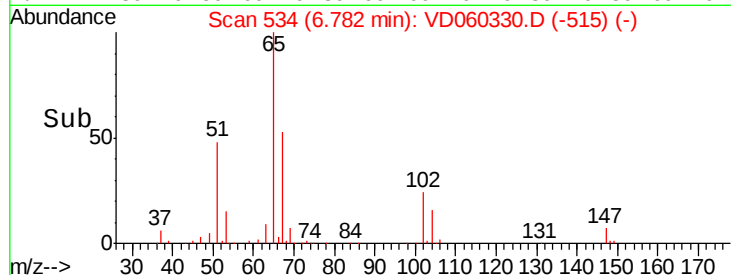
150000

100000

50000

0

Time--> 6.60 6.70 6.80 6.90



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. -0.03 min

Lab File: VD060330.D

Acq: 12 Nov 2018 11:04

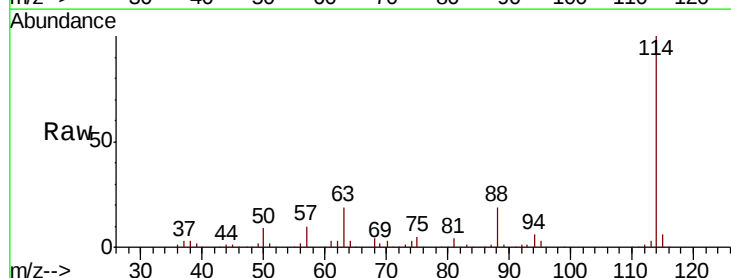
Tgt Ion:114 Resp: 2524255

Ion Ratio Lower Upper

114 100

63 19.2 0.0 34.0

88 19.0 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

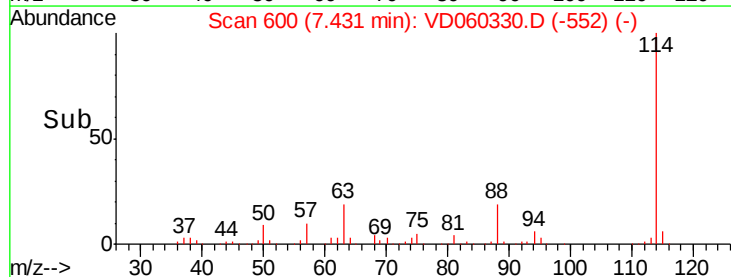
7.43

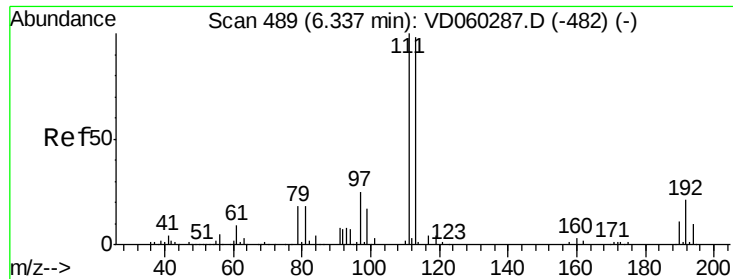
1000000

500000

0

Time--> 7.20 7.40 7.60 7.80

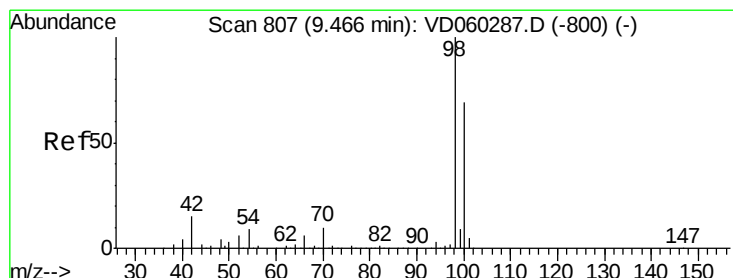
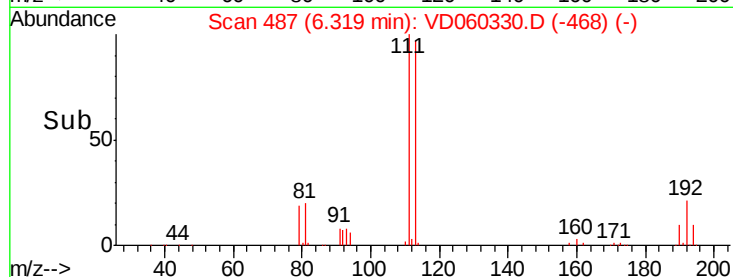
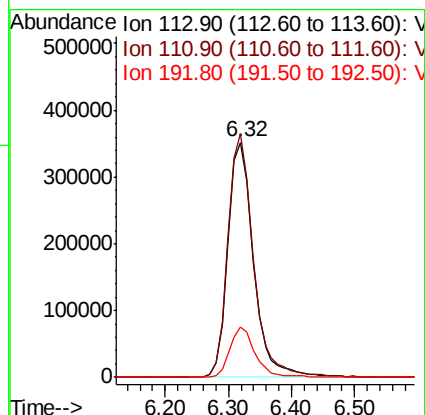
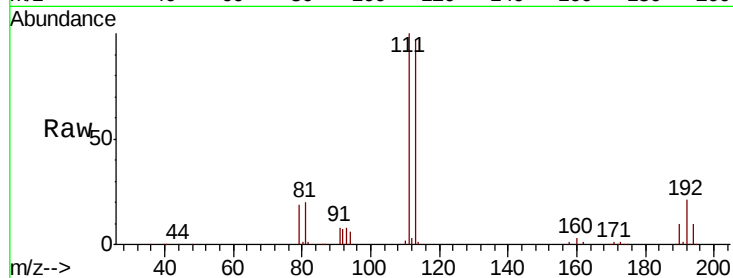




#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 6.32 min Scan# 487  
Delta R.T. -0.02 min  
Lab File: VD060330.D  
Acq: 12 Nov 2018 11:04

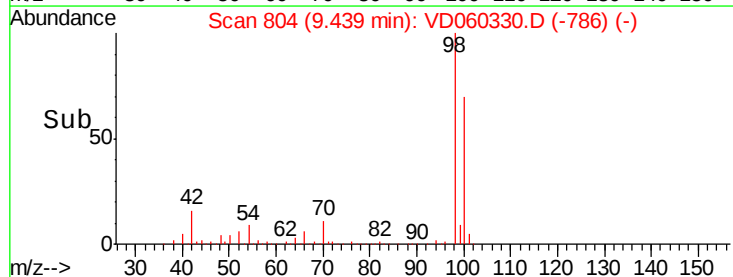
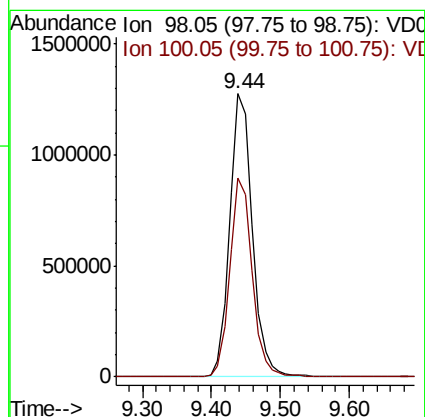
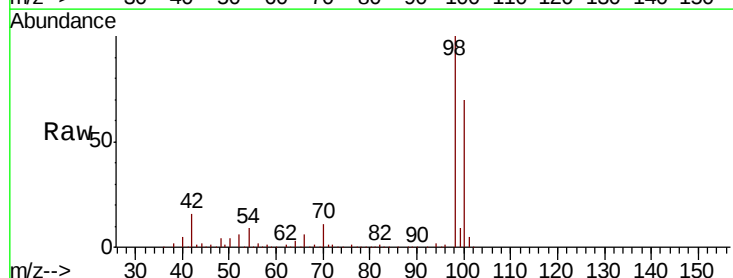
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1112SBL01

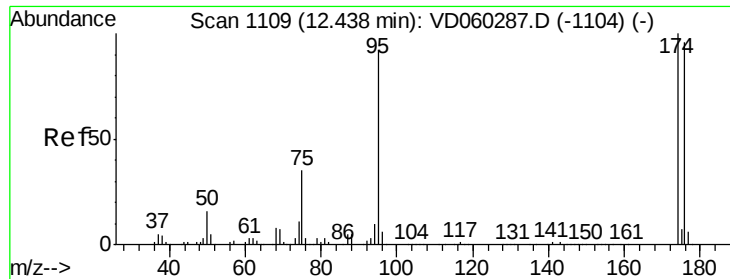
Tot Ion:113 Resp: 991854  
Ion Ratio Lower Upper  
113 100  
111 103.6 81.6 122.4  
192 21.6 16.5 24.7



#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 9.44 min Scan# 804  
Delta R.T. -0.03 min  
Lab File: VD060330.D  
Acq: 12 Nov 2018 11:04

Tgt Ion: 98 Resp: 2903509  
Ion Ratio Lower Upper  
98 100  
100 70.4 55.2 82.8

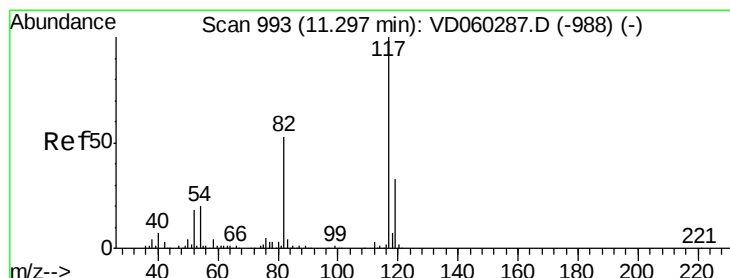
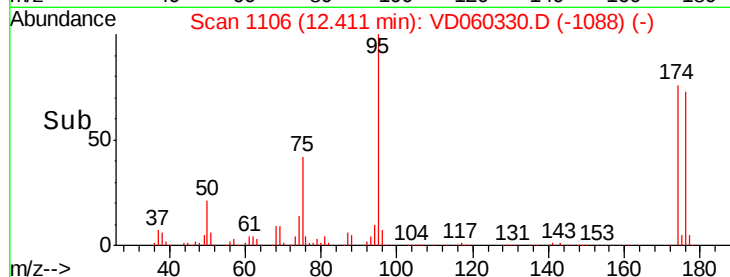
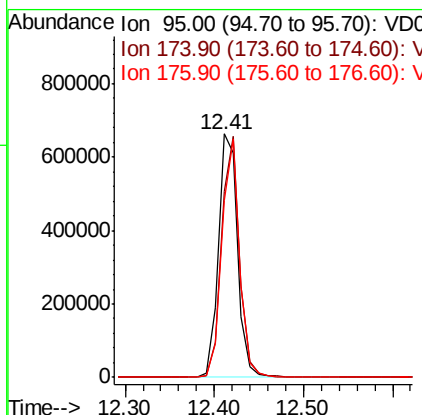
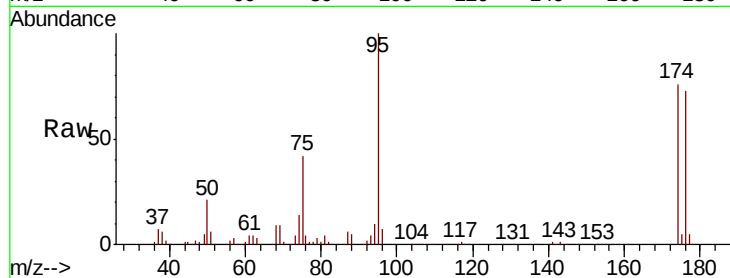




#62  
4-Bromofluorobenzene  
Concen: Below ug/l  
RT: 12.41 min Scan# 1106  
Delta R.T. -0.03 min  
Lab File: VD060330.D  
Acq: 12 Nov 2018 11:04

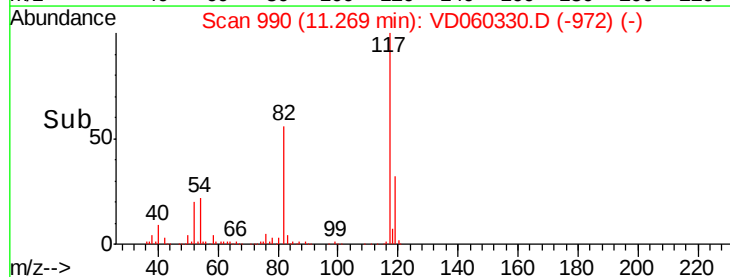
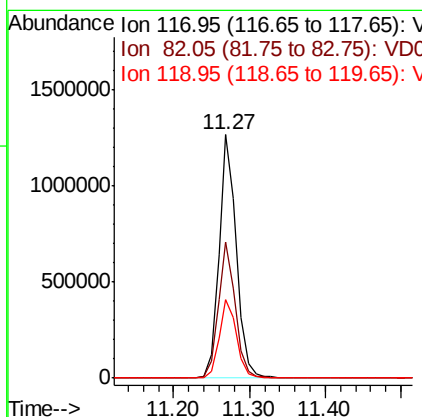
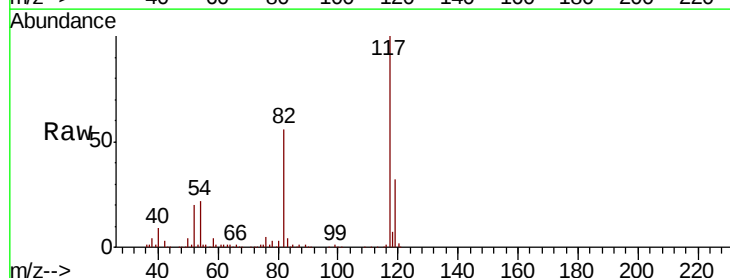
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1112SBL01

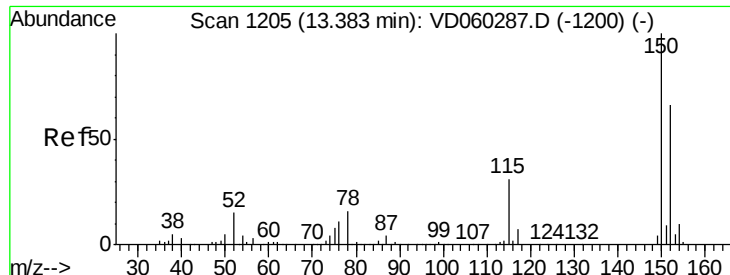
Tot Ion: 95 Resp: 999094  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 160.8  
176 72.7 0.0 154.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.27 min Scan# 990  
Delta R.T. -0.03 min  
Lab File: VD060330.D  
Acq: 12 Nov 2018 11:04

Tgt Ion: 117 Resp: 2025013  
Ion Ratio Lower Upper  
117 100  
82 56.1 43.7 65.5  
119 32.5 26.1 39.1

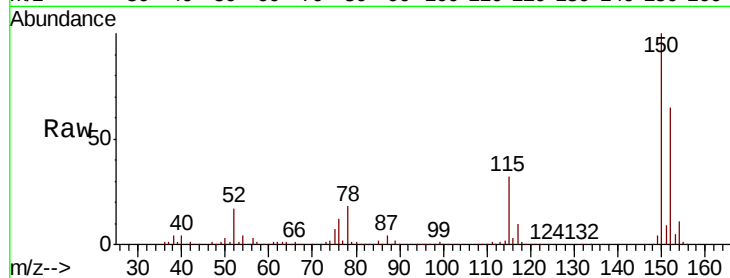




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.37 min Scan# 1203  
 Delta R.T. -0.02 min  
 Lab File: VD060330.D  
 Acq: 12 Nov 2018 11:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1112SBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 48.7  | 24.1  | 72.3  |
| 150     | 152.8 | 0.0   | 310.6 |



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

