

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083018\  
 Data File : VD059926.D  
 Acq On : 30 Aug 2018 15:01  
 Operator : JC/SY  
 Sample : J4723-01  
 Misc : 5.05g/5ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RA-082918-ESW-NSC-054

Quant Time: Aug 30 18:21:03 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D082218S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 03:03:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.39  | 168  | 1072694  | 50.00 | ug/l  | -0.02    |
| 34) 1,4-Difluorobenzene    | 7.43  | 114  | 1570520  | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 11.28 | 117  | 1094244  | 50.00 | ug/l  | -0.01    |
| 72) 1,4-Dichlorobenzene-d4 | 13.37 | 152  | 378659   | 50.00 | ug/l  | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.77  | 65   | 377472   | 41.75 | ug/l   | -0.02    |
| Spiked Amount               |       |      | Recovery | =     | 83.50% |          |
| 35) Dibromofluoromethane    | 6.31  | 113  | 461996   | 37.52 | ug/l   | -0.02    |
| Spiked Amount               |       |      | Recovery | =     | 75.04% |          |
| 50) Toluene-d8              | 9.45  | 98   | 1081006  | 31.63 | ug/l   | -0.01    |
| Spiked Amount               |       |      | Recovery | =     | 63.26% |          |
| 62) 4-Bromofluorobenzene    | 12.42 | 95   | 363361   | 26.18 | ug/l   | -0.01    |
| Spiked Amount               |       |      | Recovery | =     | 52.36% |          |

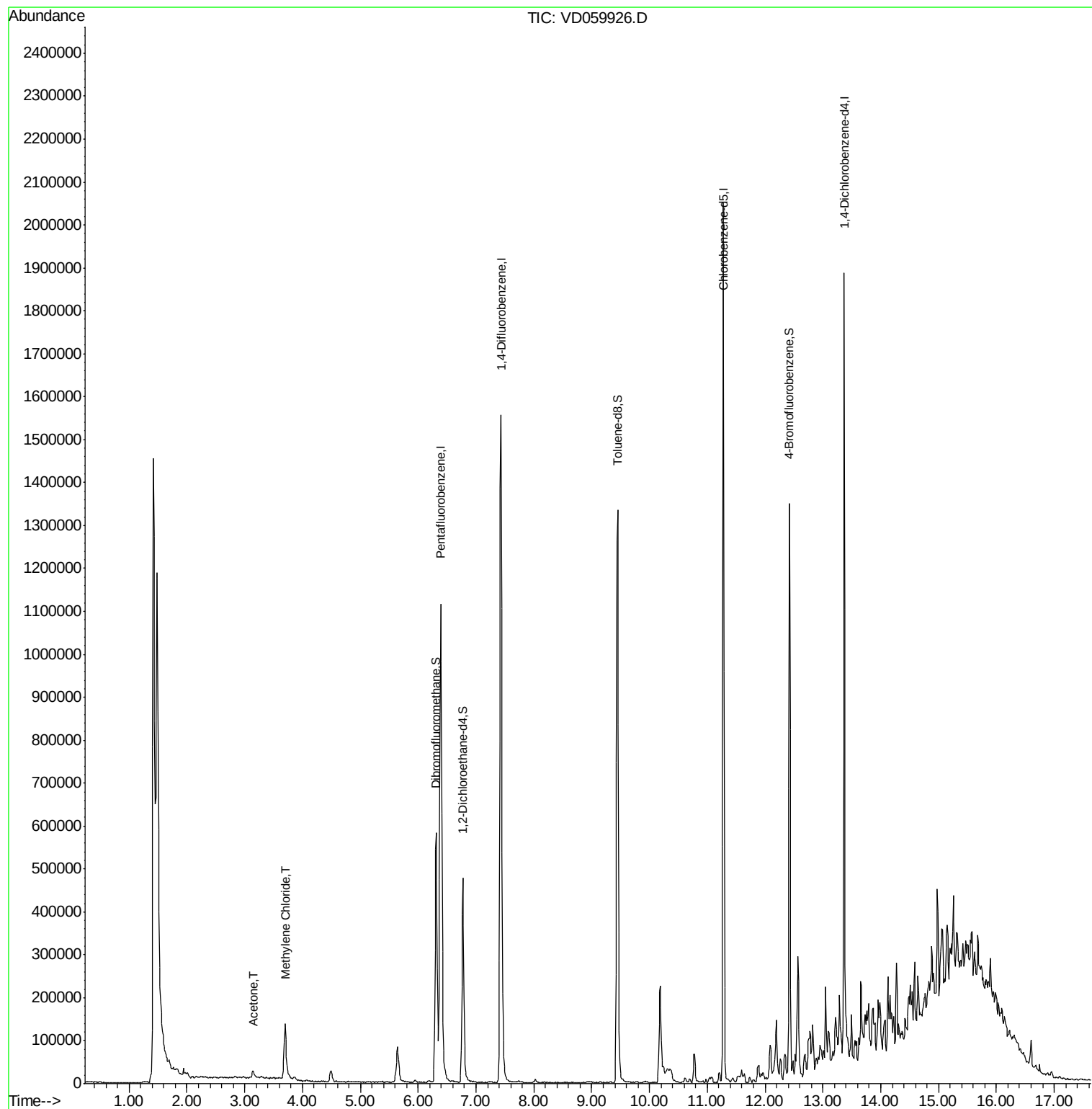
| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------------|------|------|----------|-------|-------|--------|
| 16) Acetone            | 3.14 | 43   | 42687    | 25.91 | ug/l  | 93     |
| 20) Methylene Chloride | 3.70 | 84   | 80647    | 3.90  | ug/l  | 93     |

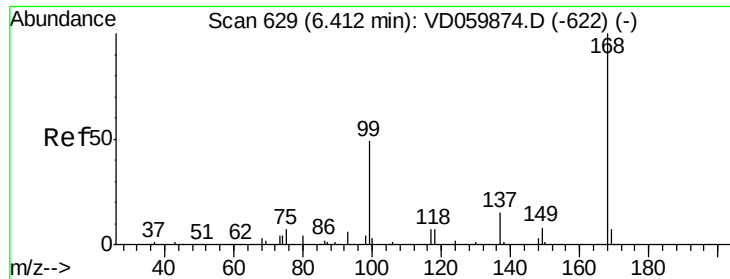
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RA-082918-ESW-NSC-054

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D082218S.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 23 03:03:08 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD059926.D

Acq: 30 Aug 2018 15:01

Instrument :

MSVOA\_D

ClientSampleId :

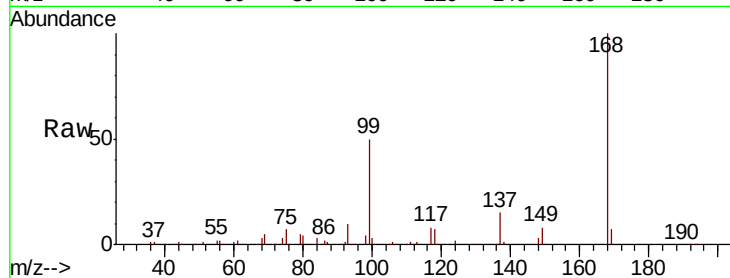
RA-082918-ESW-NSC-054

Tot Ion:168 Resp: 1072694

Ion Ratio Lower Upper

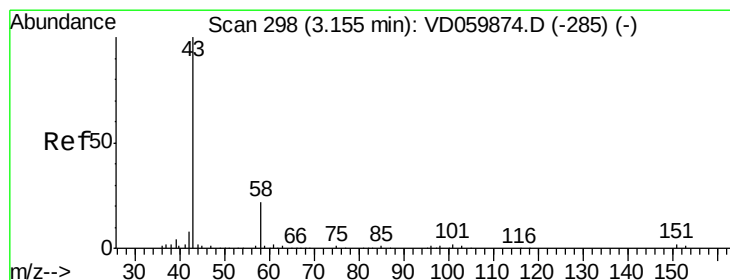
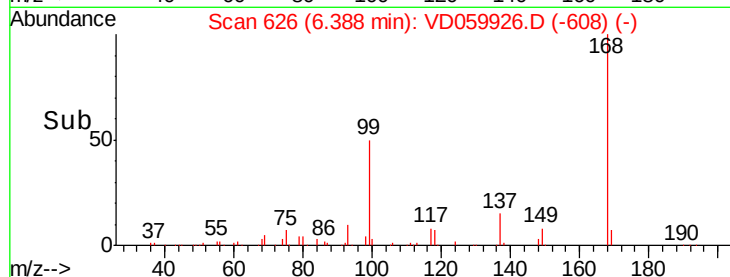
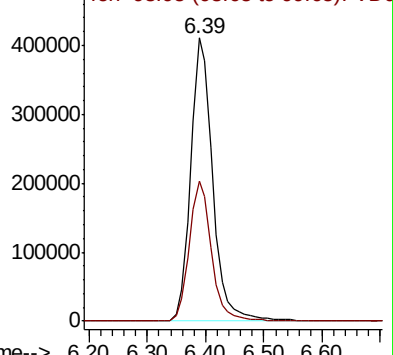
168 100

99 49.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 25.91 ug/l

RT: 3.14 min Scan# 296

Delta R.T. -0.01 min

Lab File: VD059926.D

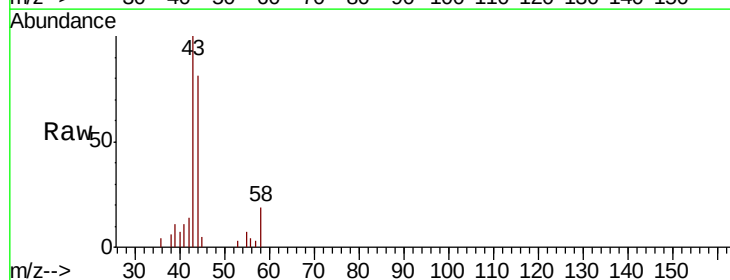
Acq: 30 Aug 2018 15:01

Tgt Ion: 43 Resp: 42687

Ion Ratio Lower Upper

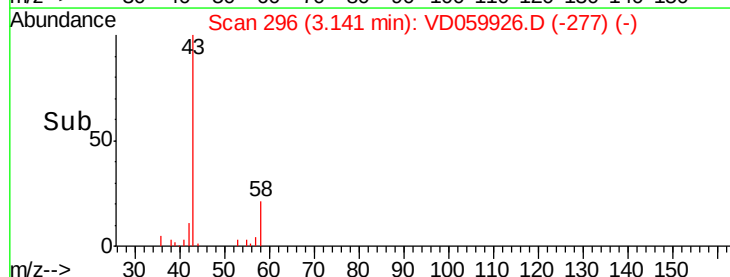
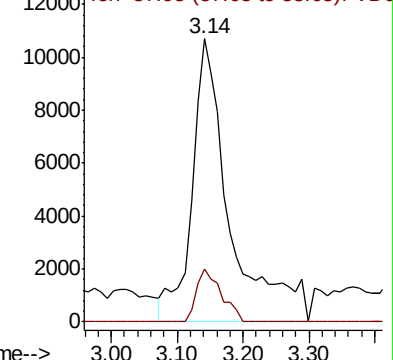
43 100

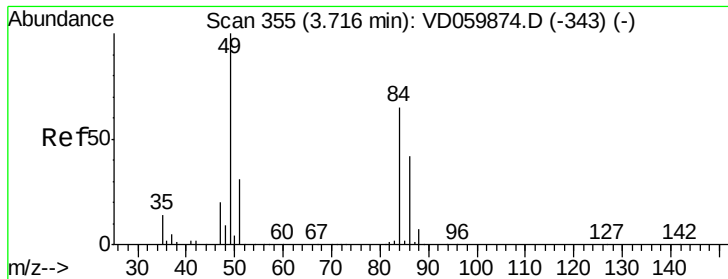
58 18.5 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

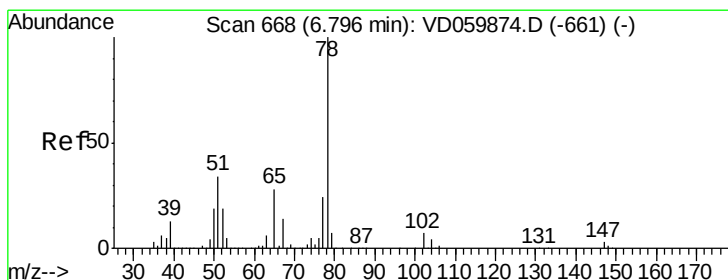
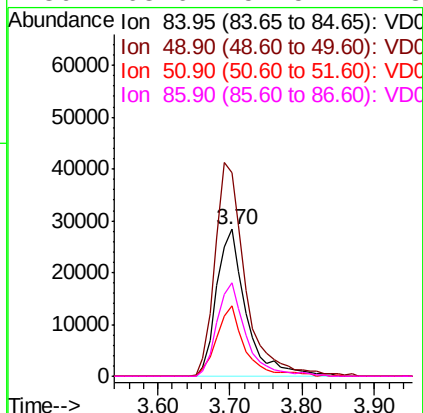
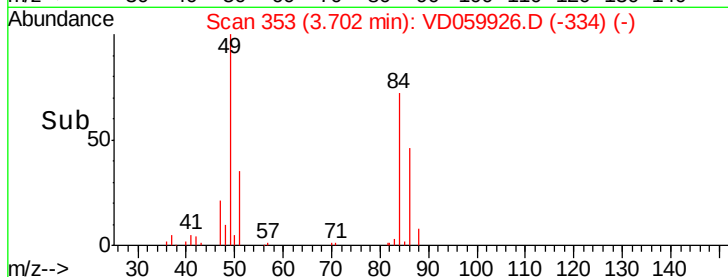
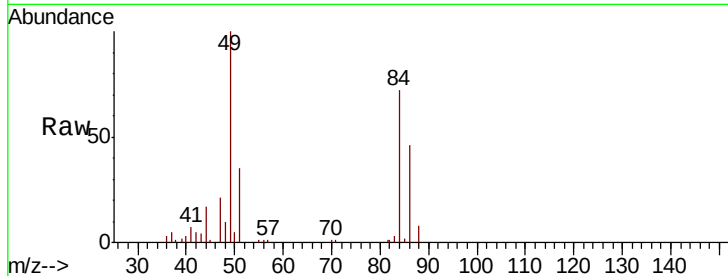




#20  
Methylene Chloride  
Concen: 3.90 ug/l  
RT: 3.70 min Scan# 353  
Delta R.T. -0.01 min  
Lab File: VD059926.D  
Acq: 30 Aug 2018 15:01

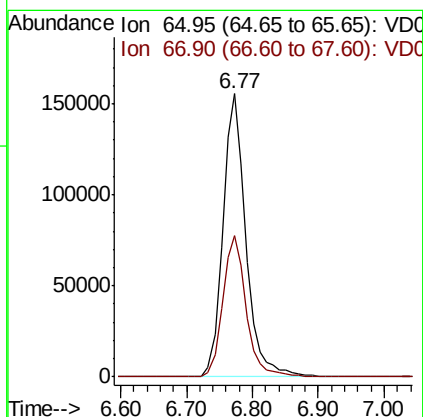
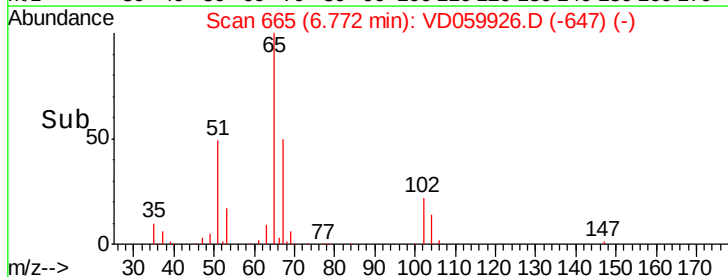
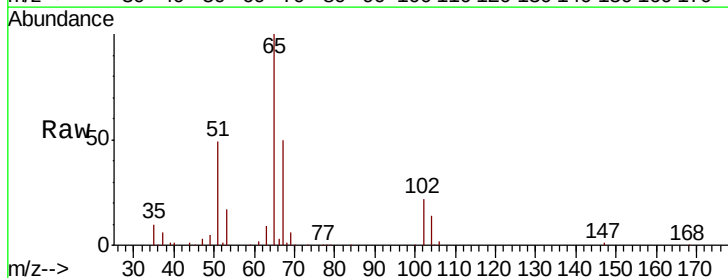
Instrument :  
MSVOA\_D  
ClientSampleId :  
RA-082918-ESW-NSC-054

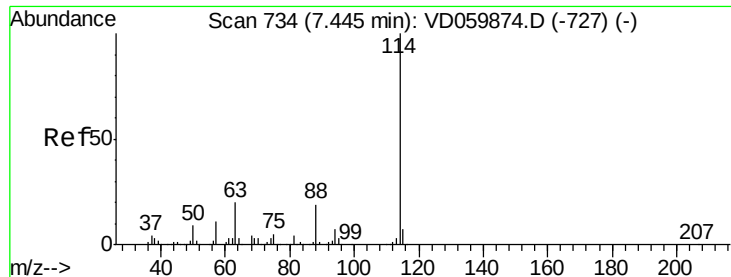
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 80647 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 138.5 | 122.6 | 183.8 |
| 51       | 47.8  | 38.4  | 57.6  |
| 86       | 63.6  | 51.5  | 77.3  |



#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 6.77 min Scan# 665  
Delta R.T. -0.02 min  
Lab File: VD059926.D  
Acq: 30 Aug 2018 15:01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 377472 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 49.9  | 0.0   | 103.8  |





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.43 min Scan# 732

Delta R.T. -0.01 min

Lab File: VD059926.D

Acq: 30 Aug 2018 15:01

Instrument :

MSVOA\_D

ClientSampleId :

RA-082918-ESW-NSC-054

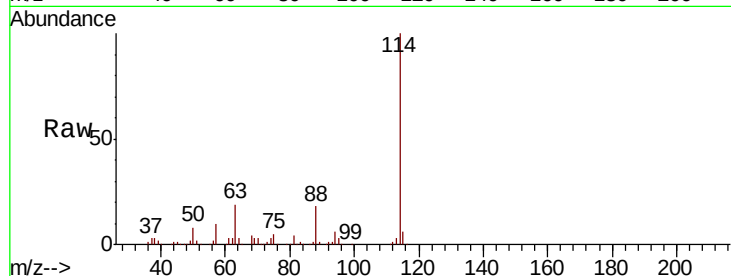
Tot Ion:114 Resp: 1570520

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.4

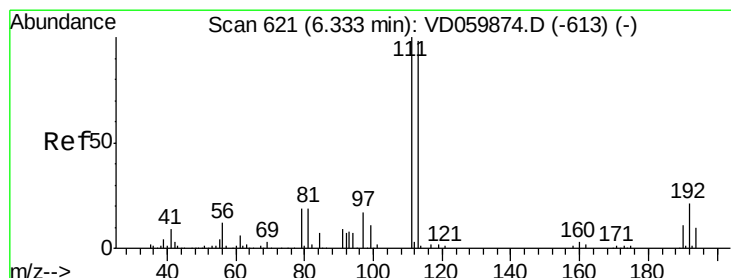
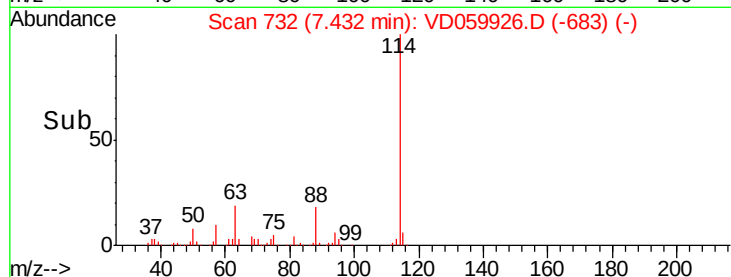
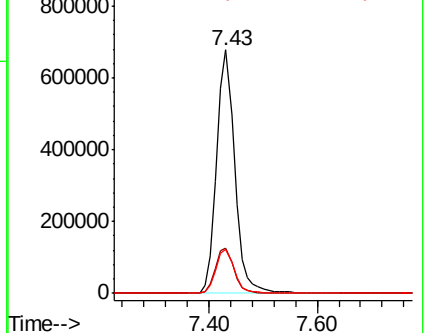
88 18.1 0.0 37.6



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: 50.00 ug/l

RT: 6.31 min Scan# 618

Delta R.T. -0.02 min

Lab File: VD059926.D

Acq: 30 Aug 2018 15:01

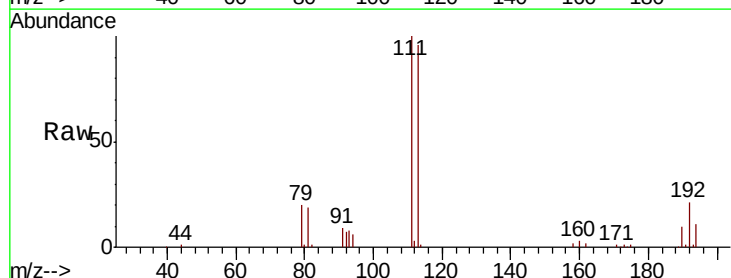
Tgt Ion:113 Resp: 461996

Ion Ratio Lower Upper

113 100

111 104.2 81.4 122.2

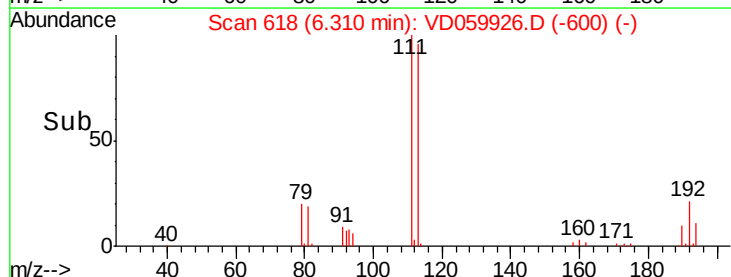
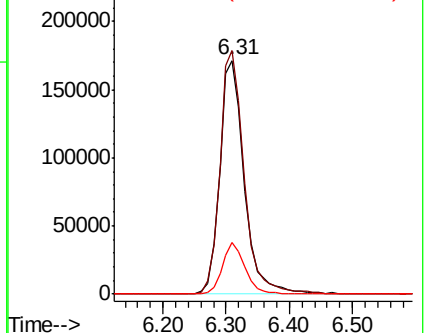
192 22.2 17.0 25.6

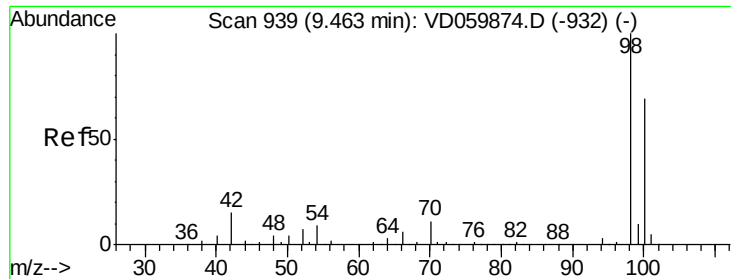


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

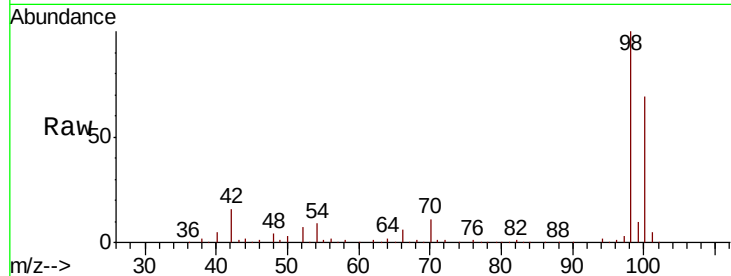




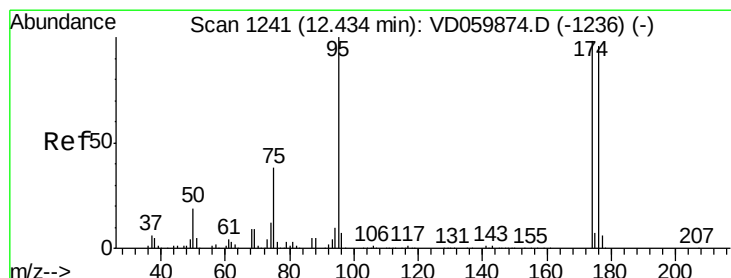
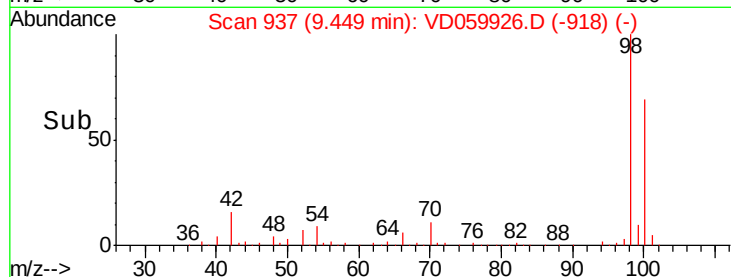
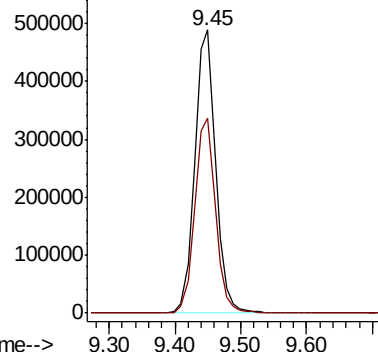
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 9.45 min Scan# 937  
Delta R.T. -0.01 min  
Lab File: VD059926.D  
Acq: 30 Aug 2018 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
RA-082918-ESW-NSC-054

Tot Ion: 98 Resp: 1081006  
Ion Ratio Lower Upper  
98 100  
100 69.0 55.8 83.6

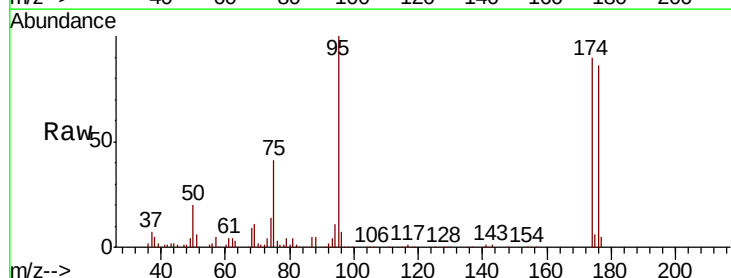


Abundance Ion 98.05 (97.75 to 98.75): VD0  
Ion 100.05 (99.75 to 100.75): VD

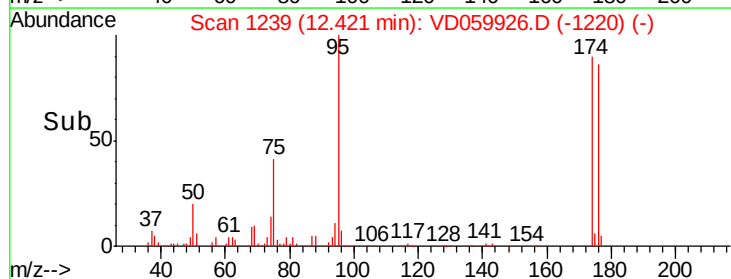
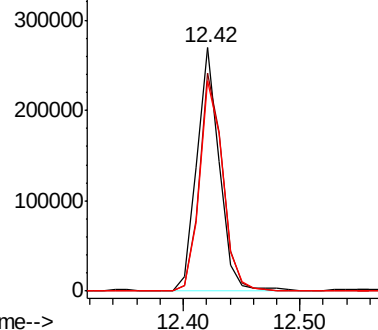


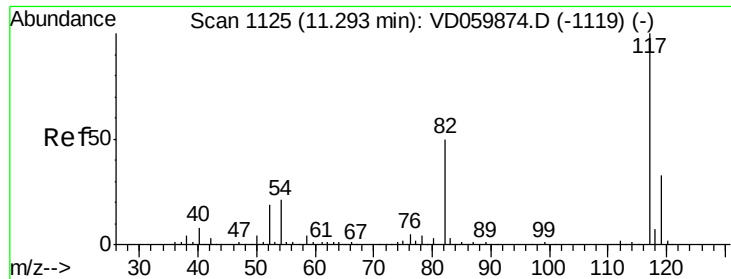
#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.42 min Scan# 1239  
Delta R.T. -0.01 min  
Lab File: VD059926.D  
Acq: 30 Aug 2018 15:01

Tgt Ion: 95 Resp: 363361  
Ion Ratio Lower Upper  
95 100  
174 89.6 0.0 195.6  
176 86.2 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): VD0  
Ion 173.90 (173.60 to 174.60): V  
Ion 175.90 (175.60 to 176.60): V

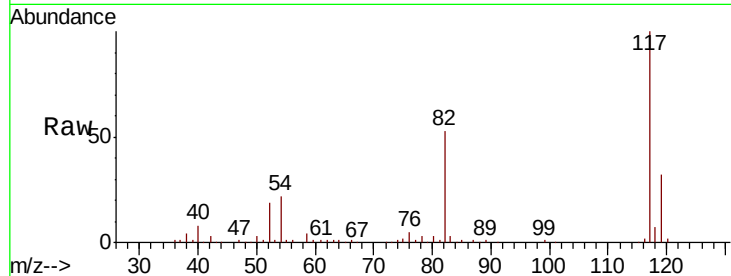




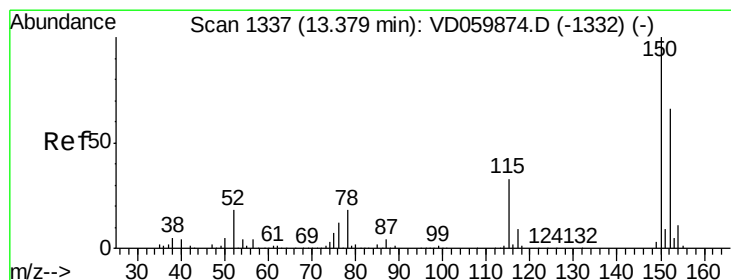
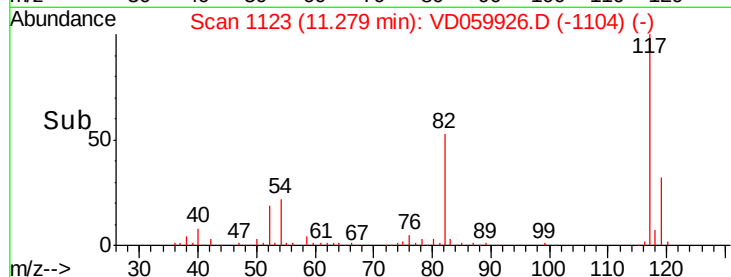
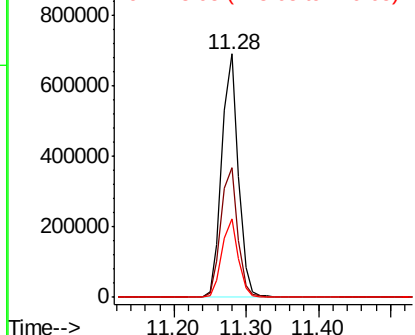
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.28 min Scan# 1123  
Delta R.T. -0.01 min  
Lab File: VD059926.D  
Acq: 30 Aug 2018 15:01

Instrument :  
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RA-082918-ESW-NSC-054

Tot Ion:117 Resp: 1094244  
Ion Ratio Lower Upper  
117 100  
82 53.3 40.1 60.1  
119 32.3 26.7 40.1

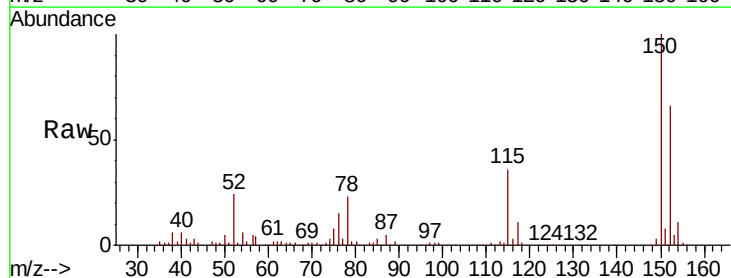


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.37 min Scan# 1335  
Delta R.T. -0.01 min  
Lab File: VD059926.D  
Acq: 30 Aug 2018 15:01

Tgt Ion:152 Resp: 378659  
Ion Ratio Lower Upper  
152 100  
115 55.1 25.7 77.0  
150 152.1 0.0 310.2



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

