

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122718\  
 Data File : VD060736.D  
 Acq On : 27 Dec 2018 19:46  
 Operator : VA/AP  
 Sample : J6447-04RE  
 Misc : 3.82g/5ml/MSVOA D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P001-SS024-1218-01RE

Quant Time: Dec 28 03:00:57 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D122018S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 21 17:37:47 2018  
 Response via : Initial Calibration

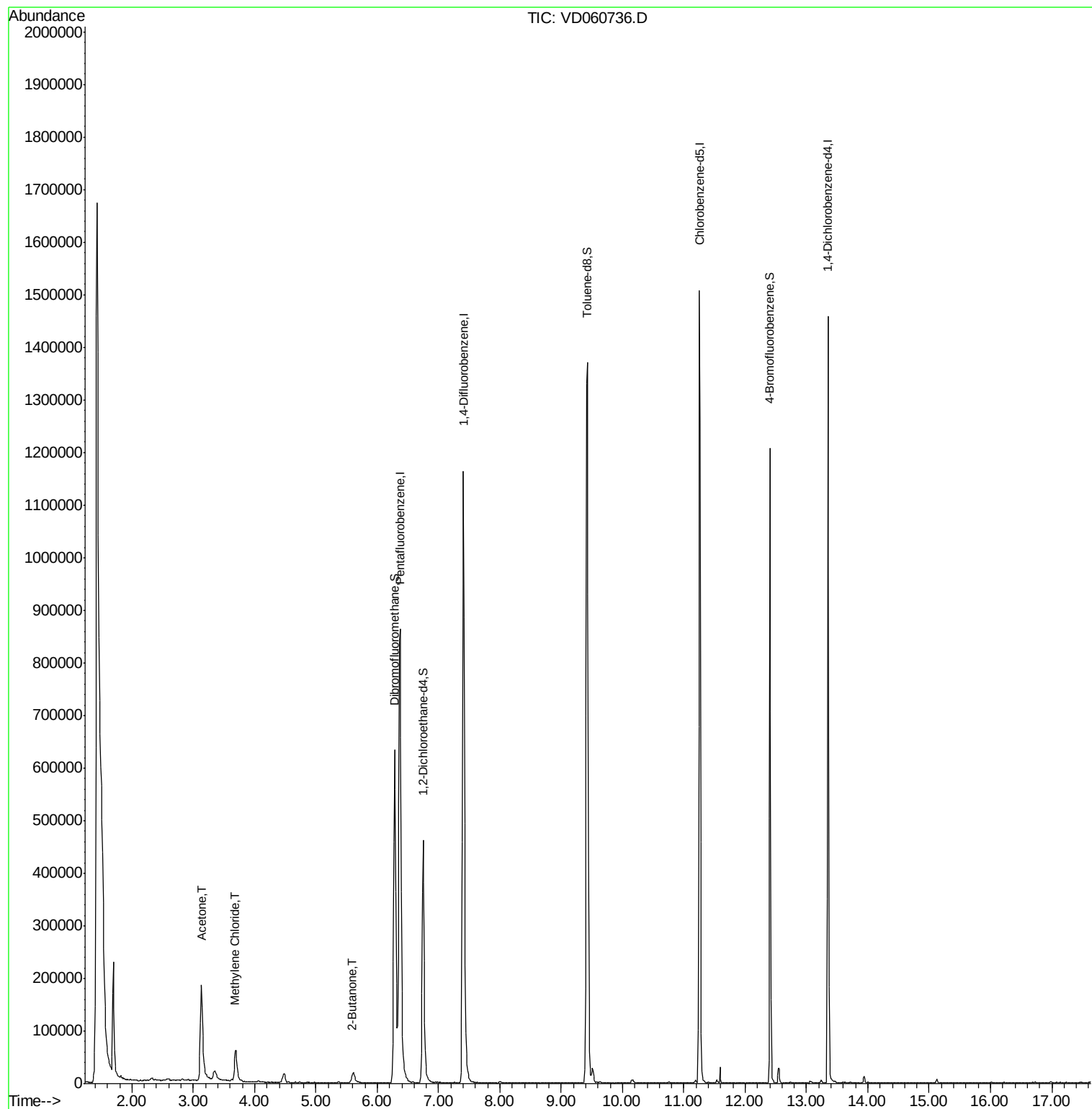
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|---------|---------|------------|
| 1) Pentafluorobenzene       | 6.37  | 168  | 874802   | 50.00   | ug/l    | -0.04      |
| 34) 1,4-Difluorobenzene     | 7.41  | 114  | 1193073  | 50.00   | ug/l    | -0.04      |
| 63) Chlorobenzene-d5        | 11.25 | 117  | 830503   | 50.00   | ug/l    | -0.03      |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 319451   | 50.00   | ug/l    | -0.03      |
| System Monitoring Compounds |       |      |          |         |         |            |
| 33) 1,2-Dichloroethane-d4   | 6.75  | 65   | 381012   | 63.02   | ug/l    | -0.05      |
| Spiked Amount 50.000        |       |      | Recovery | =       | 126.04% |            |
| 35) Dibromofluoromethane    | 6.28  | 113  | 493443   | 56.51   | ug/l    | -0.05      |
| Spiked Amount 50.000        |       |      | Recovery | =       | 113.02% |            |
| 50) Toluene-d8              | 9.42  | 98   | 1140665  | 43.78   | ug/l    | -0.04      |
| Spiked Amount 50.000        |       |      | Recovery | =       | 87.56%  |            |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 303167   | 33.22   | ug/l    | -0.02      |
| Spiked Amount 50.000        |       |      | Recovery | =       | 66.44%  |            |
| Target Compounds            |       |      |          |         |         |            |
| 16) Acetone                 | 3.13  | 43   | 375167   | 355.352 | ug/l    | Qvalue 100 |
| 20) Methylene Chloride      | 3.70  | 84   | 39599    | 3.612   | ug/l    | 97         |
| 25) 2-Butanone              | 5.58  | 43   | 15903    | 7.872   | ug/l #  | 87         |

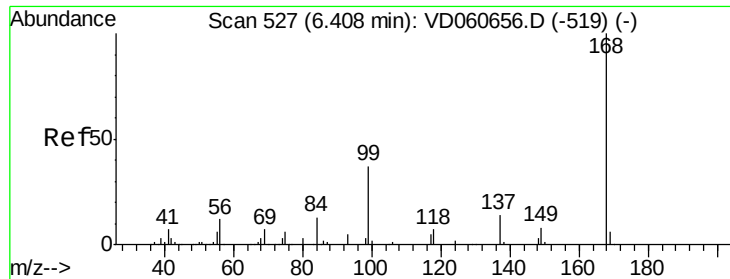
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122718\  
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Quant Title : SW846 8260  
QLast Update : Fri Dec 21 17:37:47 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.04 min

Lab File: VD060736.D

Acq: 27 Dec 2018 19:46

Instrument :

MSVOA\_D

ClientSampleId :

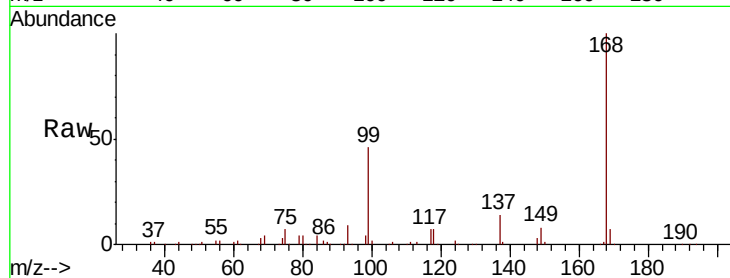
P001-SS024-1218-01RE

Tot Ion:168 Resp: 874802

Ion Ratio Lower Upper

168 100

99 45.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.37

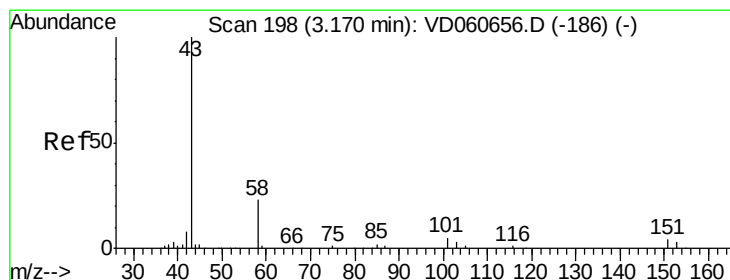
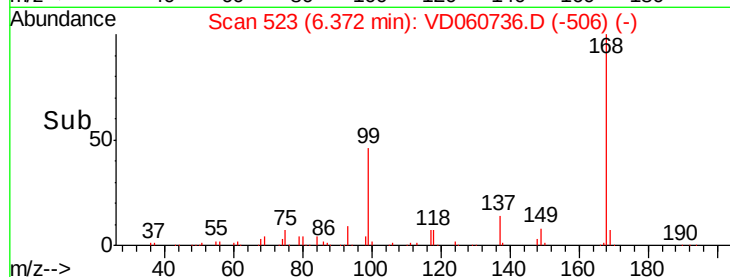
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#16

Acetone

Concen: 355.352 ug/l

RT: 3.13 min Scan# 194

Delta R.T. -0.04 min

Lab File: VD060736.D

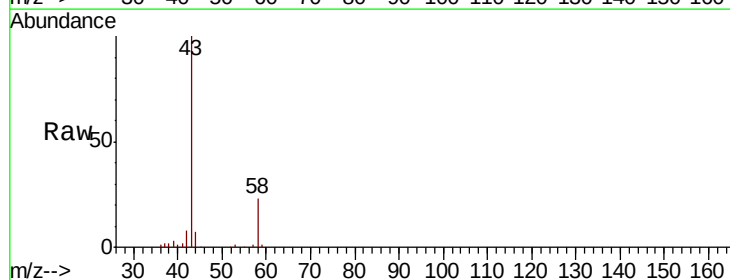
Acq: 27 Dec 2018 19:46

Tgt Ion: 43 Resp: 375167

Ion Ratio Lower Upper

43 100

58 22.5 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

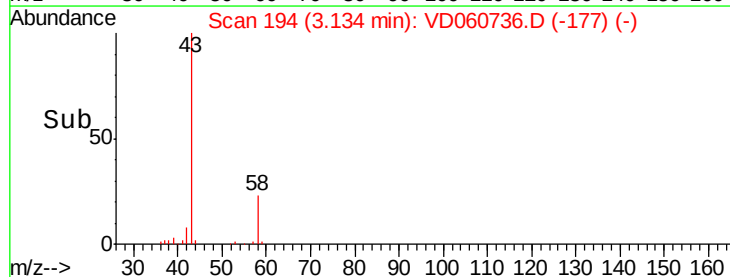
3.13

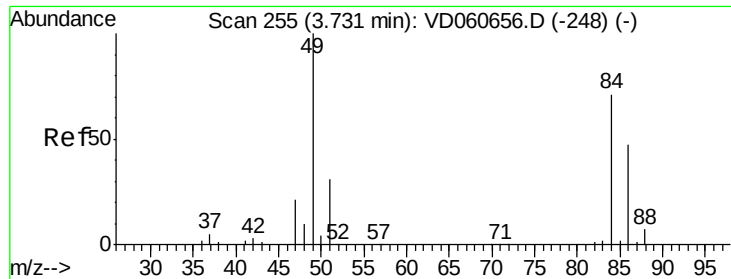
100000

50000

0

Time--> 3.00 3.10 3.20 3.30

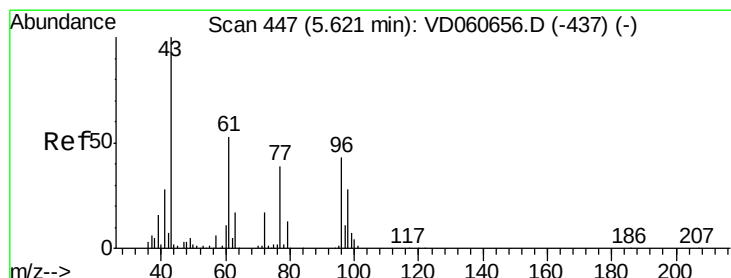
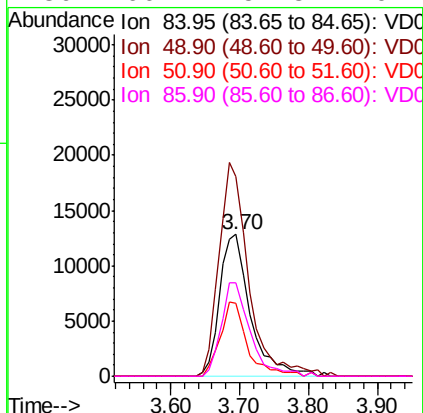
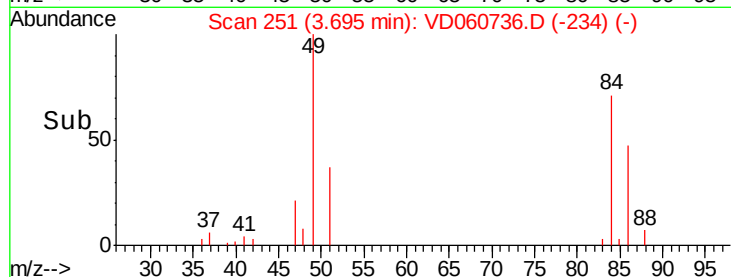
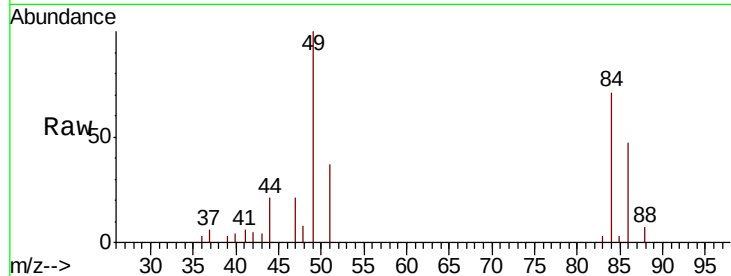




#20  
Methvlene Chloride  
Concen: 3.612 ug/l  
RT: 3.70 min Scan# 251  
Delta R.T. -0.04 min  
Lab File: VD060736.D  
Acq: 27 Dec 2018 19:46

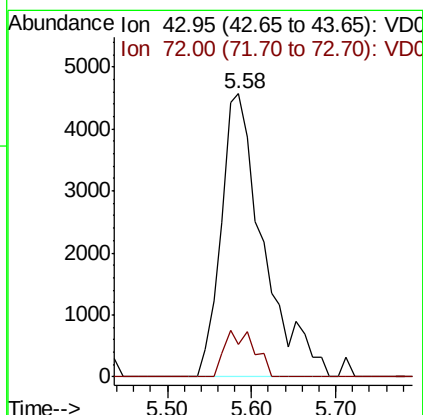
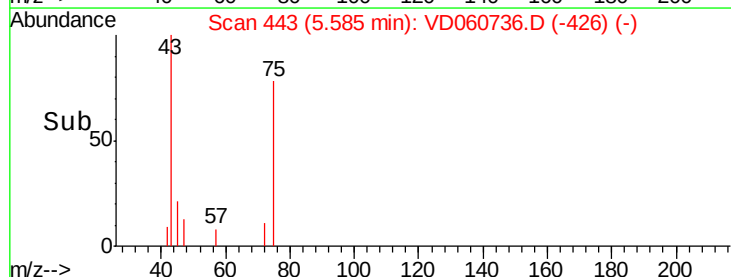
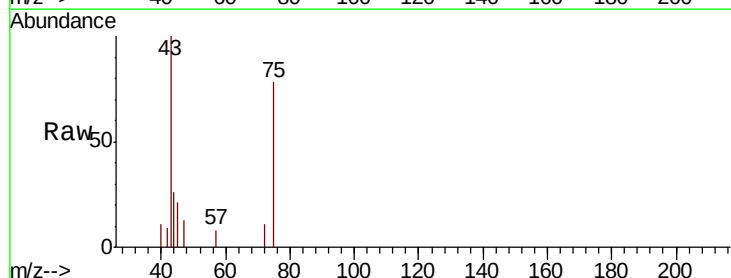
Instrument :  
MSVOA\_D  
ClientSampleId :  
P001-SS024-1218-01RE

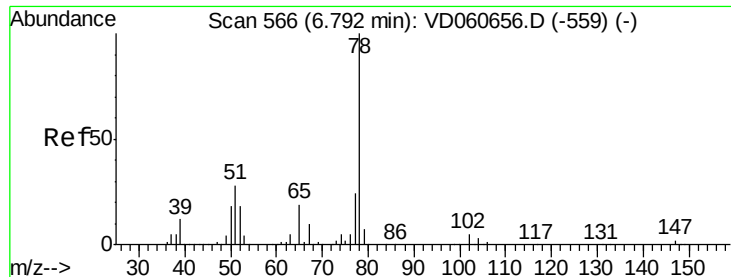
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 39599 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 140.8 | 113.6 | 170.4 |
| 51       | 51.6  | 34.7  | 52.1  |
| 86       | 66.4  | 52.8  | 79.2  |



#25  
2-Butanone  
Concen: 7.872 ug/l  
RT: 5.58 min Scan# 443  
Delta R.T. -0.04 min  
Lab File: VD060736.D  
Acq: 27 Dec 2018 19:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 15903 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 11.3  | 13.7  | 20.5# |





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.75 min Scan# 561

Delta R.T. -0.05 min

Lab File: VD060736.D

Acq: 27 Dec 2018 19:46

Instrument :

MSVOA\_D

ClientSampleId :

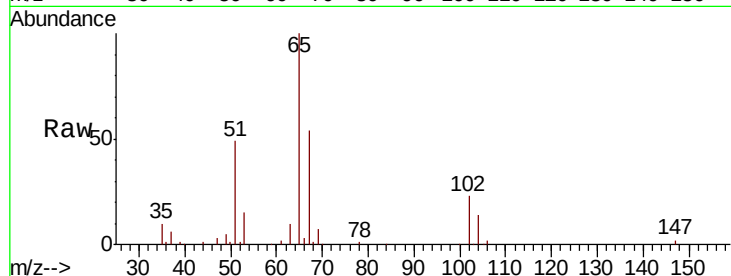
P001-SS024-1218-01RE

Tot Ion: 65 Resp: 381012

Ion Ratio Lower Upper

65 100

67 53.6 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.75

150000

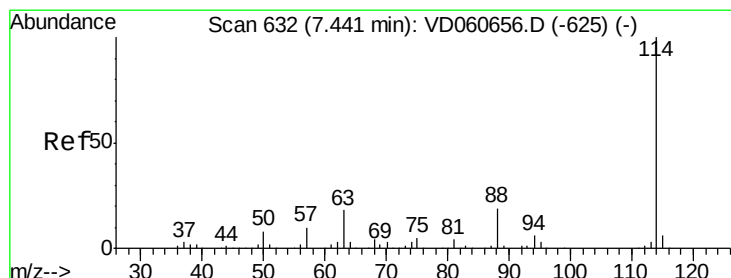
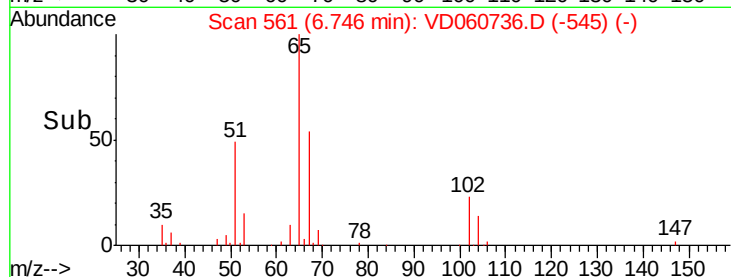
100000

50000

0

6.60 6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.41 min Scan# 628

Delta R.T. -0.04 min

Lab File: VD060736.D

Acq: 27 Dec 2018 19:46

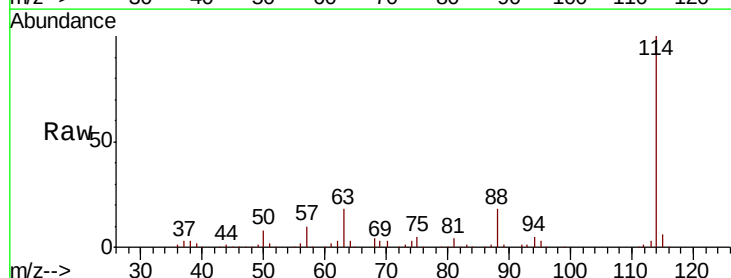
Tgt Ion: 114 Resp: 1193073

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.2

88 17.7 0.0 37.0



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

7.41

600000

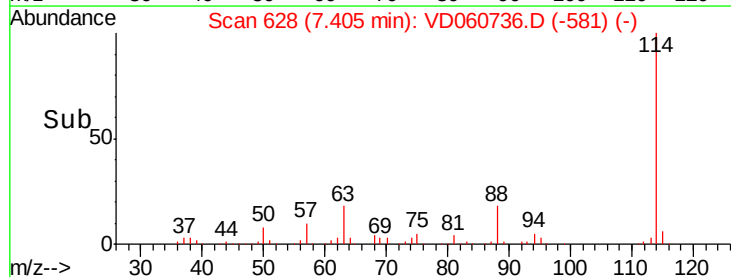
400000

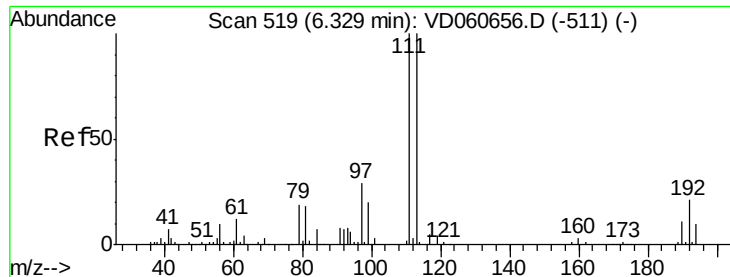
200000

0

7.20 7.40 7.60 7.80

Time-->

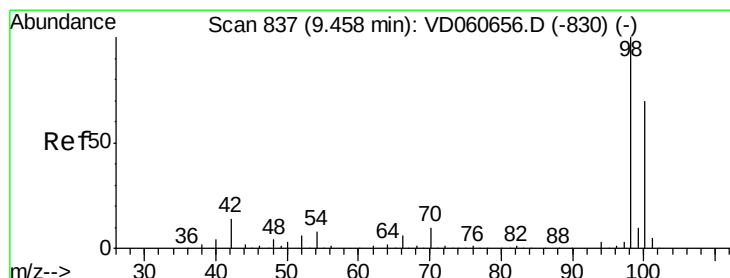
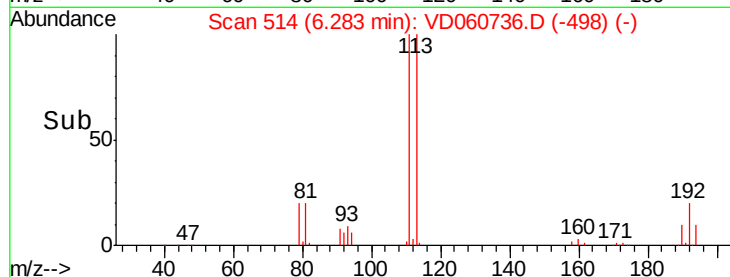
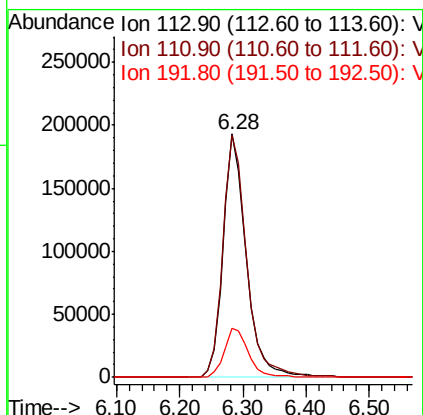
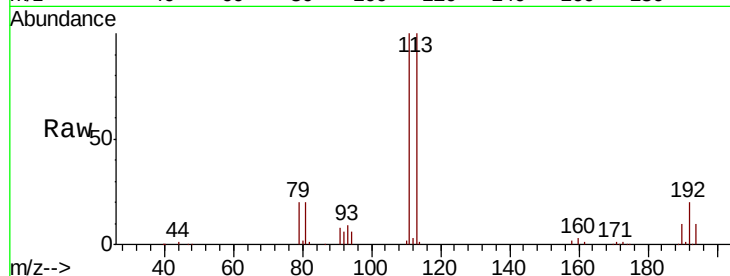




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.28 min Scan# 514  
 Delta R.T. -0.05 min  
 Lab File: VD060736.D  
 Acq: 27 Dec 2018 19:46

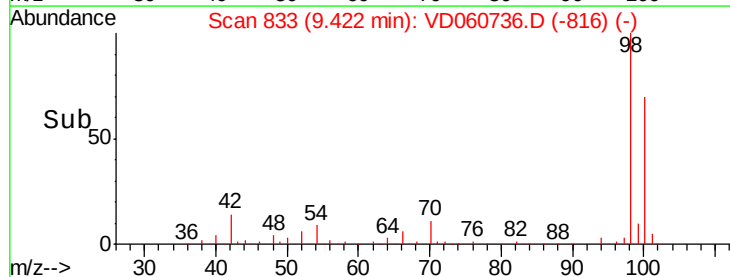
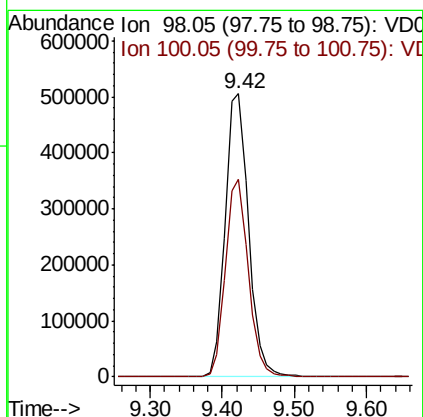
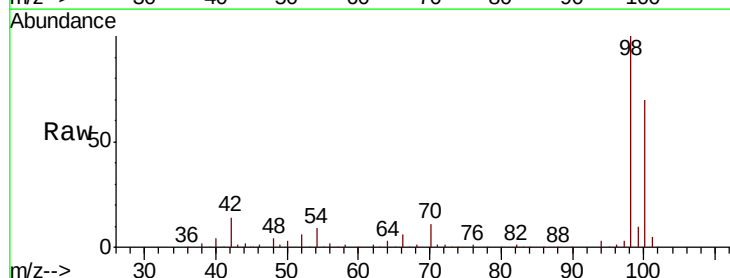
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P001-SS024-1218-01RE

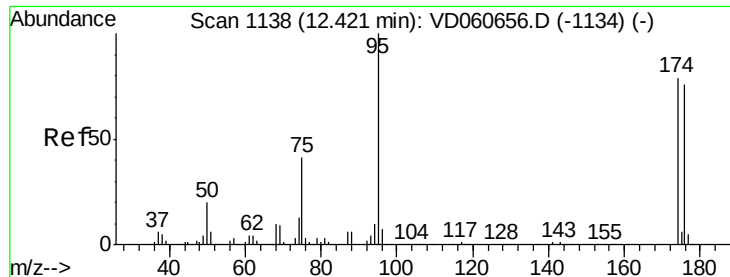
Tot Ion:113 Resp: 493443  
 Ion Ratio Lower Upper  
 113 100  
 111 99.6 80.0 120.0  
 192 20.0 16.6 25.0



#50  
 Toluene-d8  
 Concen: N.D. ug/l  
 RT: 9.42 min Scan# 833  
 Delta R.T. -0.04 min  
 Lab File: VD060736.D  
 Acq: 27 Dec 2018 19:46

Tgt Ion: 98 Resp: 1140665  
 Ion Ratio Lower Upper  
 98 100  
 100 69.7 55.8 83.8





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 1136

Delta R.T. -0.02 min

Lab File: VD060736.D

Acq: 27 Dec 2018 19:46

Instrument :

MSVOA\_D

ClientSampleId :

P001-SS024-1218-01RE

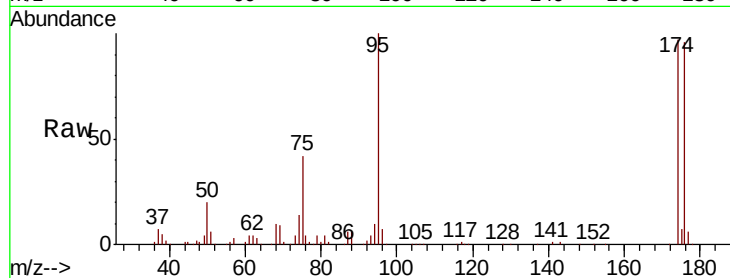
Tot Ion: 95 Resp: 303167

Ion Ratio Lower Upper

95 100

174 96.7 0.0 158.2

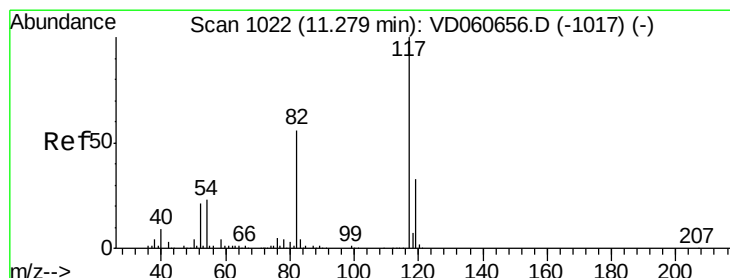
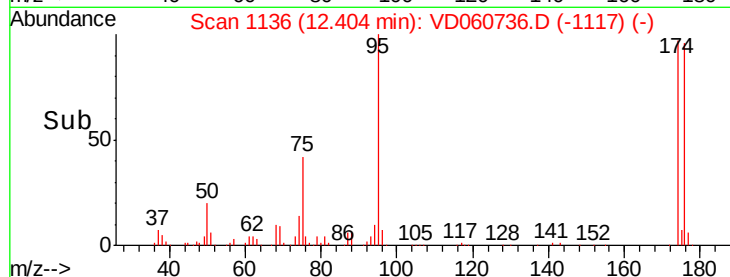
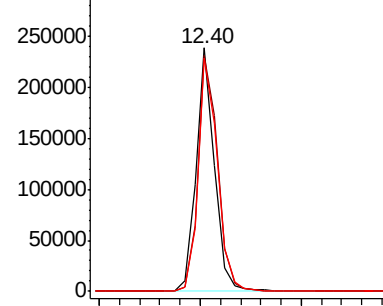
176 95.7 0.0 152.4



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: 11.25 min Scan# 1019

Delta R.T. -0.03 min

Lab File: VD060736.D

Acq: 27 Dec 2018 19:46

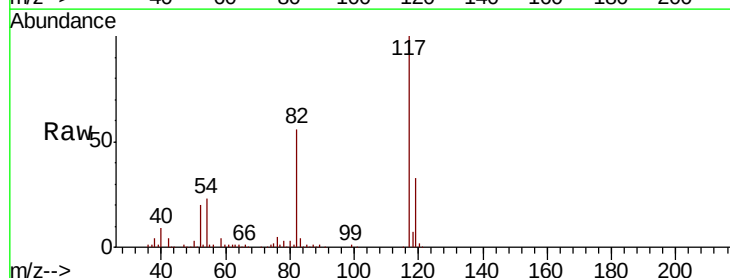
Tgt Ion: 117 Resp: 830503

Ion Ratio Lower Upper

117 100

82 56.1 44.5 66.7

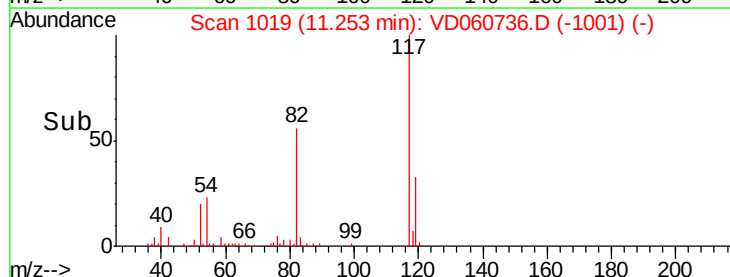
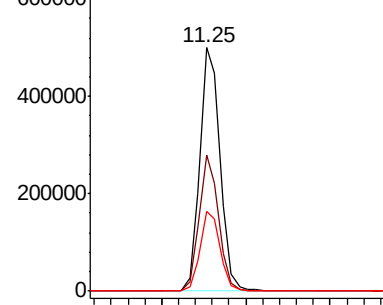
119 32.7 26.3 39.5

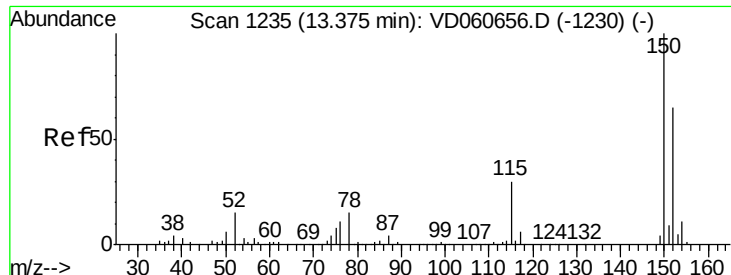


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.35 min Scan# 1232

Delta R.T. -0.03 min

Lab File: VD060736.D

Acq: 27 Dec 2018 19:46

Instrument :

MSVOA\_D

ClientSampleId :

P001-SS024-1218-01RE

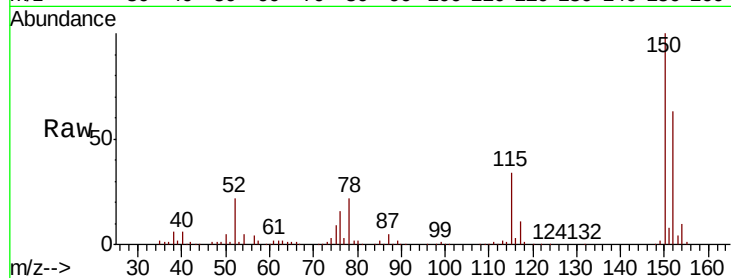
Tot Ion:152 Resp: 319451

Ion Ratio Lower Upper

152 100

115 53.4 24.1 72.3

150 158.0 0.0 315.0



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

