

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\  
 Data File : VD062714.D  
 Acq On : 14 Jun 2019 16:39  
 Operator : VA/AP  
 Sample : K3376-02RE  
 Misc : 5.74g/5ml/MSVOA D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 NEW-DOVER-TP-1FTRE

Quant Time: Jun 15 05:31:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D060719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 08 00:02:21 2019  
 Response via : Initial Calibration

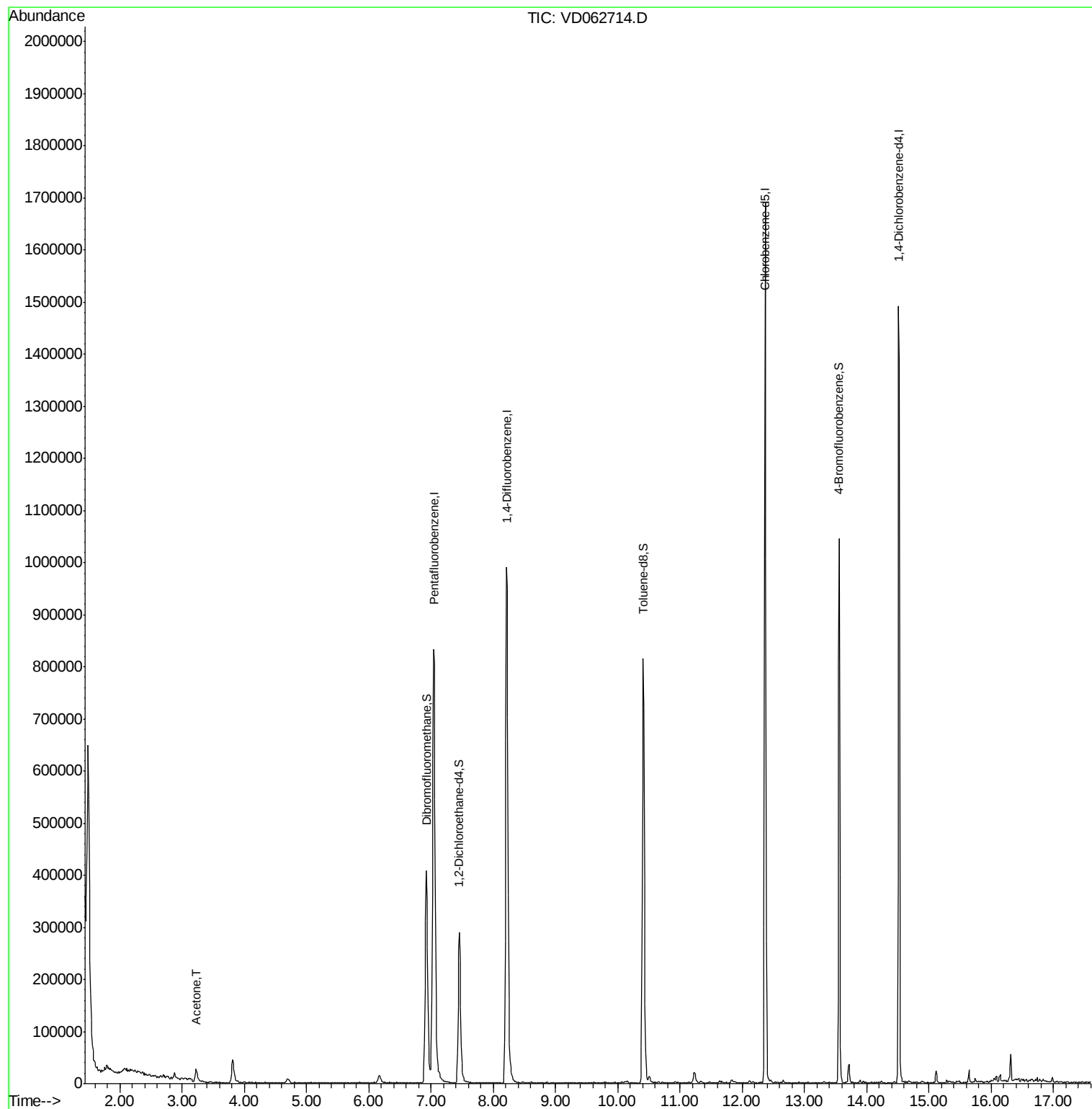
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|--------|-----------|
| 1) Pentafluorobenzene       | 7.05  | 168  | 808526   | 50.00  | ug/l   | 0.02      |
| 34) 1,4-Difluorobenzene     | 8.21  | 114  | 1085679  | 50.00  | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 12.37 | 117  | 841939   | 50.00  | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 14.52 | 152  | 342938   | 50.00  | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |        |        |           |
| 33) 1,2-Dichloroethane-d4   | 7.45  | 65   | 331229   | 28.39  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 56.78% |           |
| 35) Dibromofluoromethane    | 6.92  | 113  | 355739   | 31.07  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 62.14% |           |
| 50) Toluene-d8              | 10.41 | 98   | 658528   | 27.34  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 54.68% |           |
| 62) 4-Bromofluorobenzene    | 13.56 | 95   | 296362   | 26.37  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 52.74% |           |
| Target Compounds            |       |      |          |        |        |           |
| 16) Acetone                 | 3.22  | 43   | 54446    | 25.485 | ug/l   | Qvalue 94 |

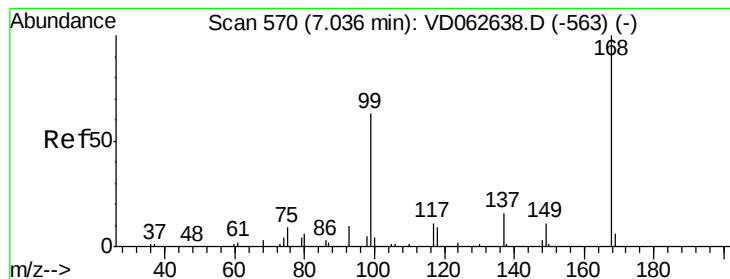
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Jun 08 00:02:21 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062714.D

Acq: 14 Jun 2019 16:39

Instrument :

MSVOA\_D

ClientSampleId :

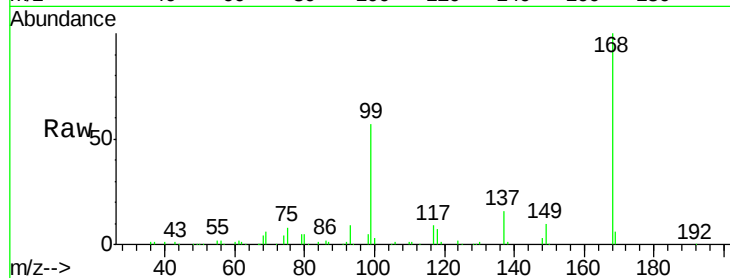
NEW-DOVER-TP-1FTRE

Tot Ion:168 Resp: 808526

Ion Ratio Lower Upper

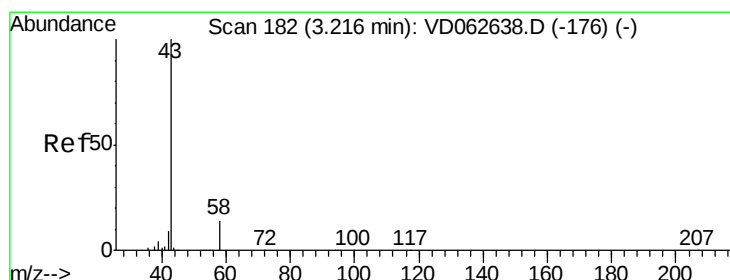
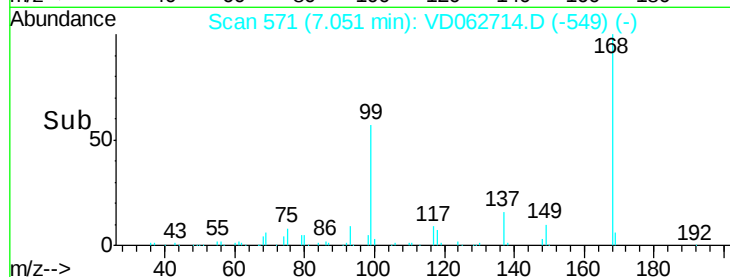
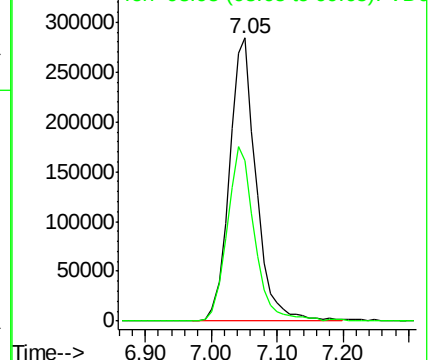
168 100

99 56.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 25.485 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD062714.D

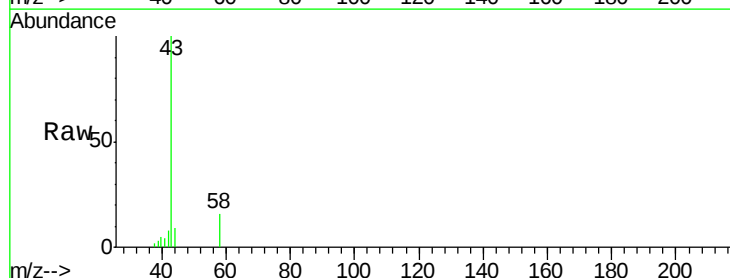
Acq: 14 Jun 2019 16:39

Tgt Ion: 43 Resp: 54446

Ion Ratio Lower Upper

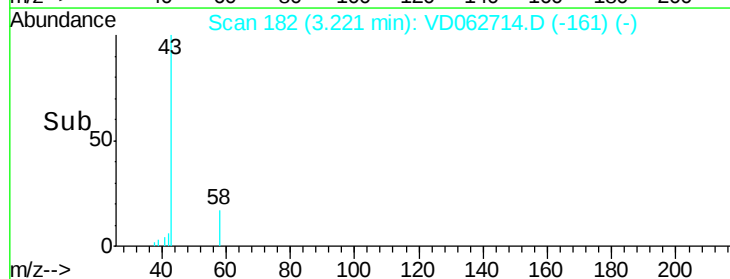
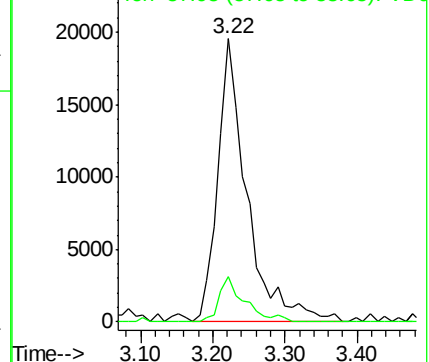
43 100

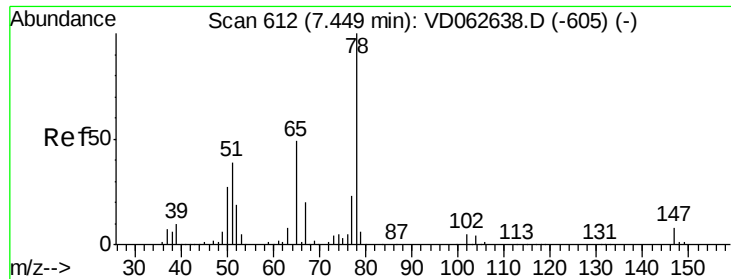
58 16.1 10.8 16.2



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: 28.390 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD062714.D

Acq: 14 Jun 2019 16:39

Instrument :

MSVOA\_D

ClientSampleId :

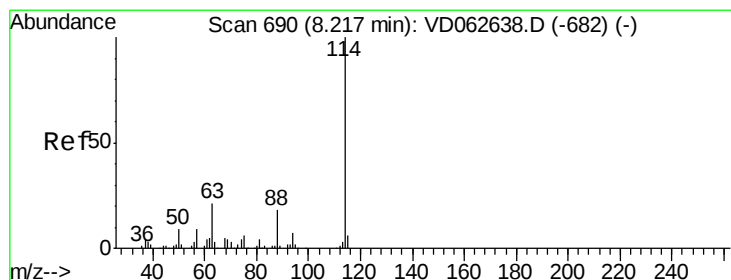
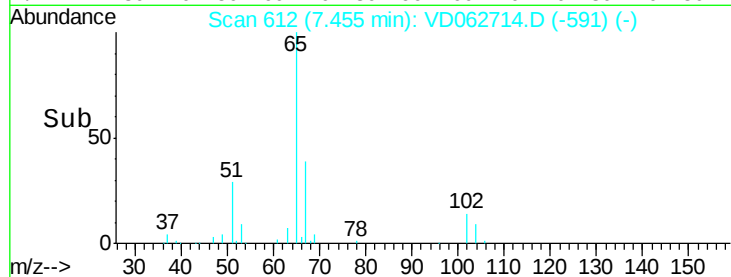
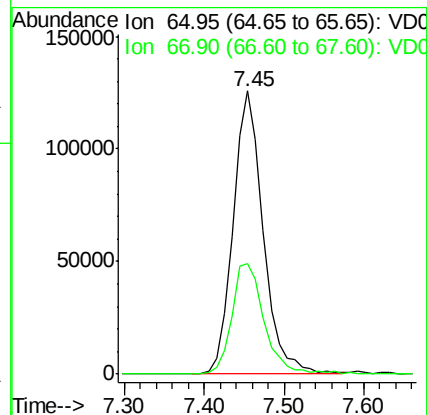
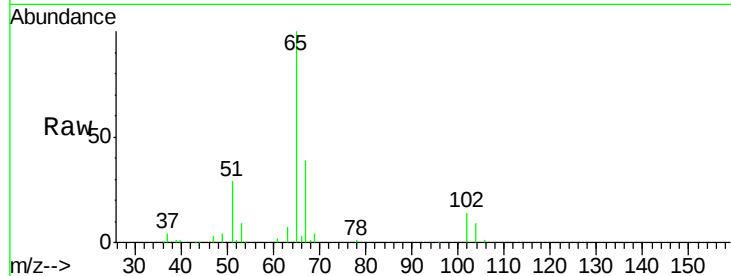
NEW-DOVER-TP-1FTRE

Tot Ion: 65 Resp: 331229

Ion Ratio Lower Upper

65 100

67 39.2 0.0 81.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD062714.D

Acq: 14 Jun 2019 16:39

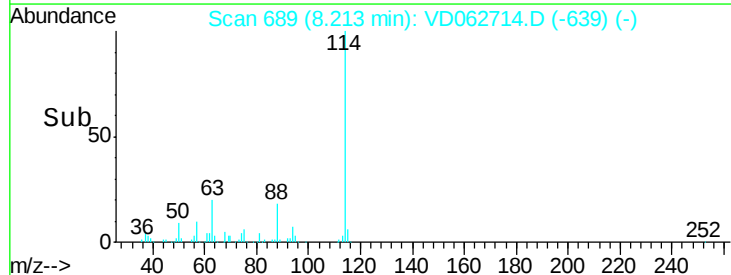
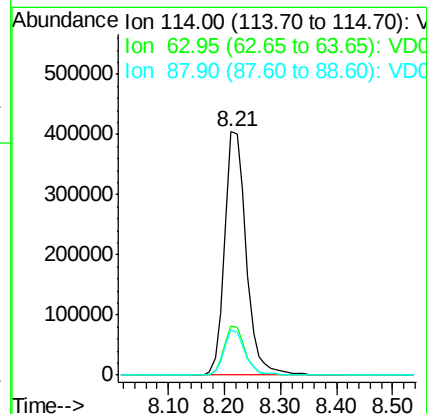
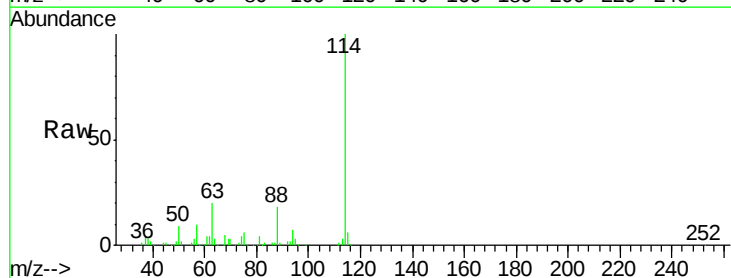
Tgt Ion: 114 Resp: 1085679

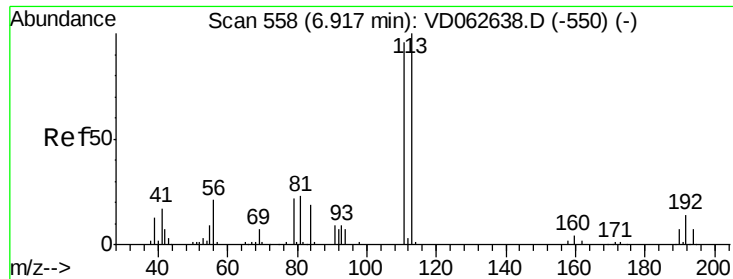
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 18.3 0.0 36.8

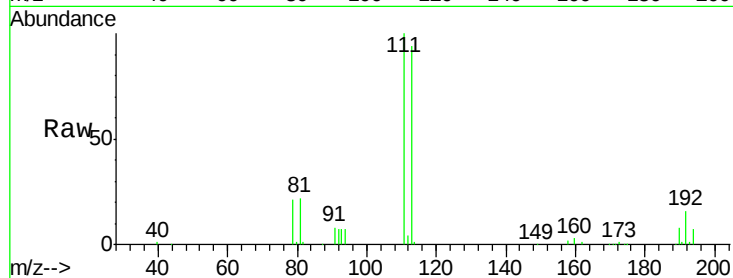




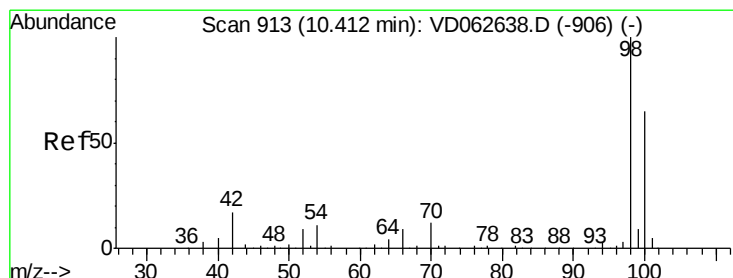
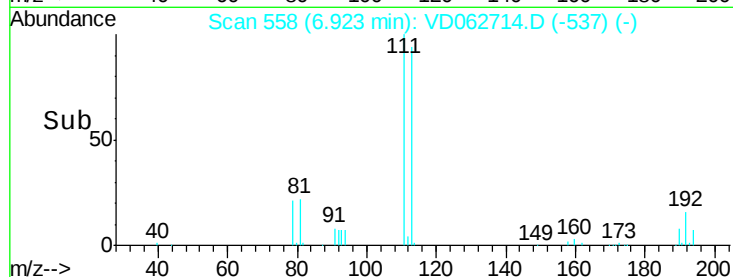
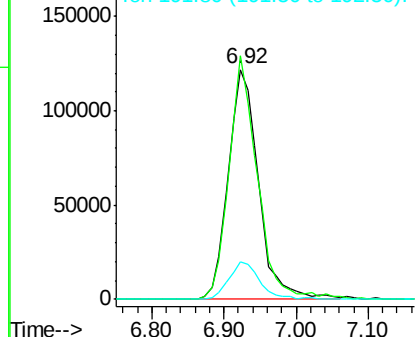
#35  
Dibromofluoromethane  
Concen: 31.069 ug/l  
RT: 6.92 min Scan# 558  
Delta R.T. 0.01 min  
Lab File: VD062714.D  
Acq: 14 Jun 2019 16:39

Instrument :  
MSVOA\_D  
ClientSampleId :  
NEW-DOVER-TP-1FTRE

Tot Ion:113 Resp: 355739  
Ion Ratio Lower Upper  
113 100  
111 106.1 76.4 114.6  
192 16.5 11.4 17.0

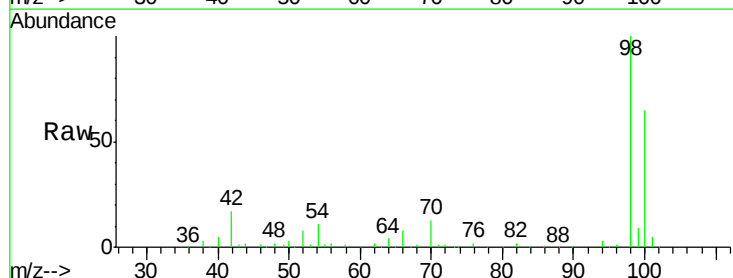


Abundance Ion 112.90 (112.60 to 113.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 191.80 (191.50 to 192.50): V

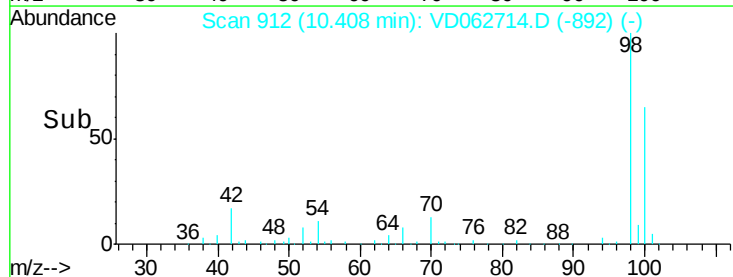
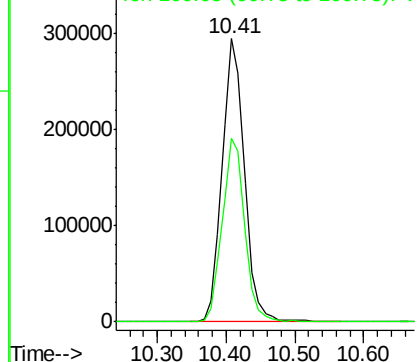


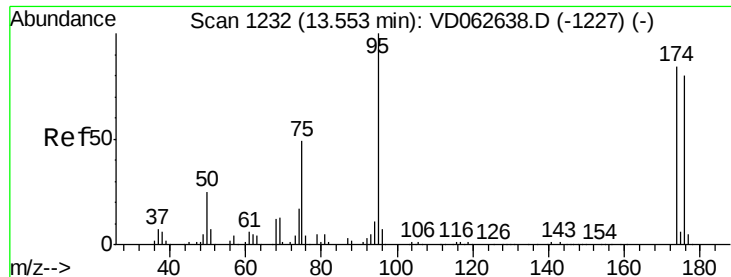
#50  
Toluene-d8  
Concen: 27.340 ug/l  
RT: 10.41 min Scan# 912  
Delta R.T. -0.00 min  
Lab File: VD062714.D  
Acq: 14 Jun 2019 16:39

Tgt Ion: 98 Resp: 658528  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.1 78.1



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

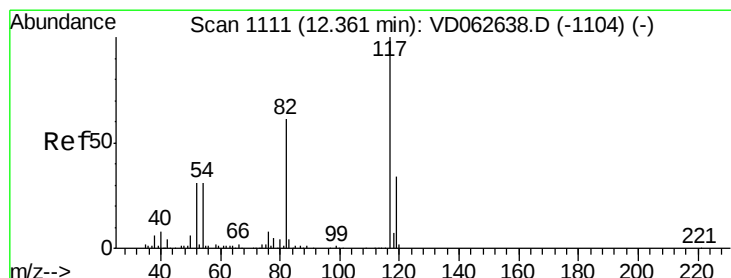
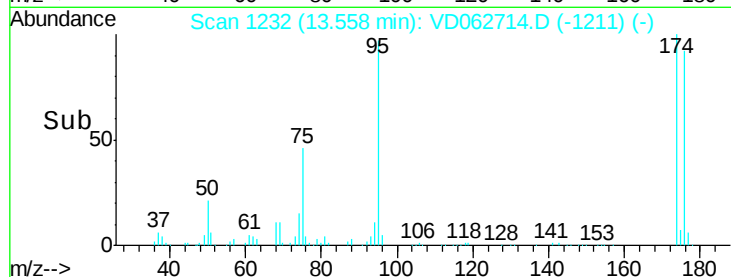
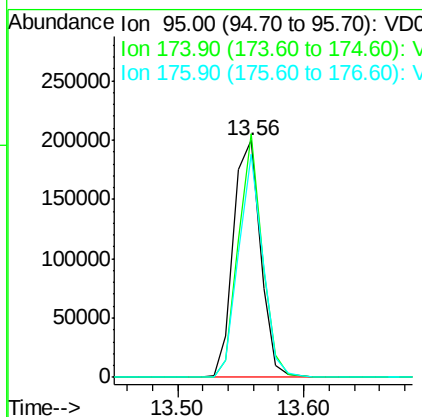
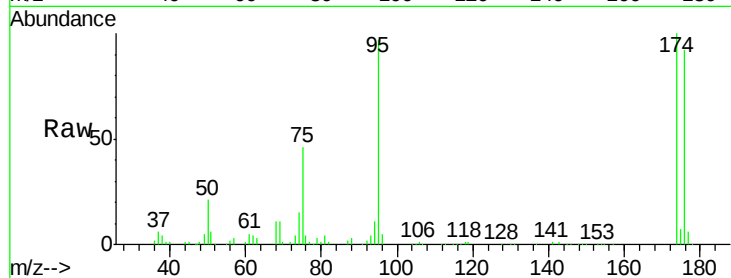




#62  
4-Bromofluorobenzene  
Concen: 26.373 ug/l  
RT: 13.56 min Scan# 1232  
Delta R.T. 0.01 min  
Lab File: VD062714.D  
Acq: 14 Jun 2019 16:39

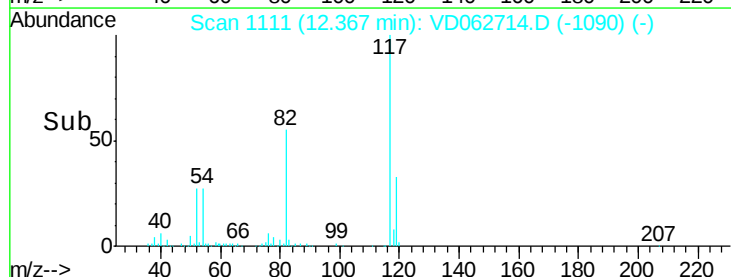
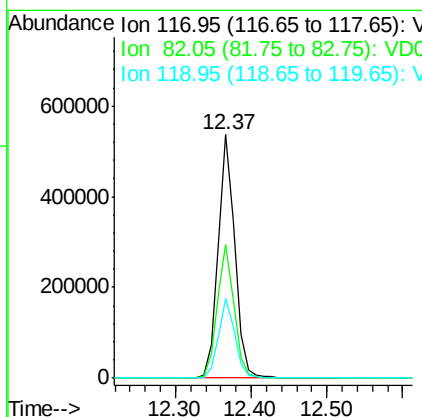
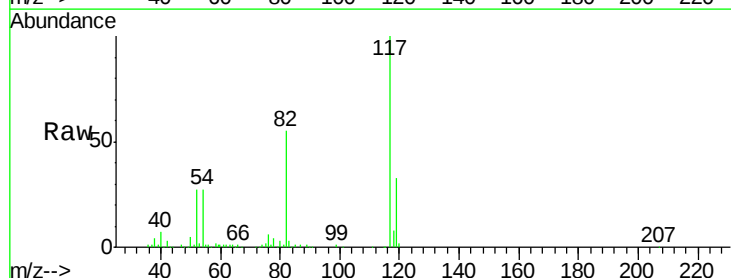
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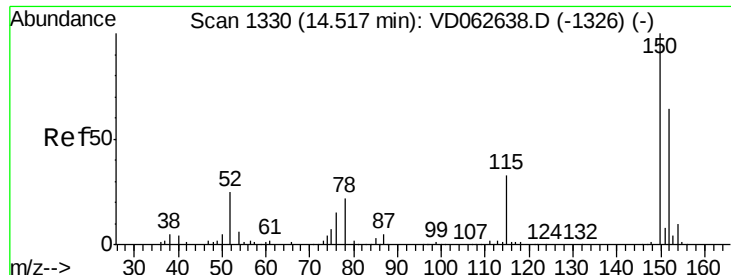
Tot Ion: 95 Resp: 296362  
Ion Ratio Lower Upper  
95 100  
174 102.9 0.0 167.0  
176 94.3 0.0 159.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1111  
Delta R.T. 0.01 min  
Lab File: VD062714.D  
Acq: 14 Jun 2019 16:39

Tgt Ion: 117 Resp: 841939  
Ion Ratio Lower Upper  
117 100  
82 54.9 48.7 73.1  
119 32.6 27.0 40.6

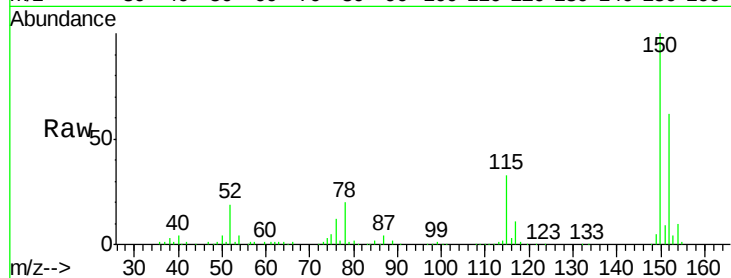




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 14.52 min Scan# 1330  
 Delta R.T. 0.01 min  
 Lab File: VD062714.D  
 Acq: 14 Jun 2019 16:39

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 NEW-DOVER-TP-1FTRE

Tot Ion:152 Resp: 342938  
 Ion Ratio Lower Upper  
 152 100  
 115 54.1 30.1 90.5  
 150 162.6 0.0 314.0



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

