

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062818\  
 Data File : VD059481.D  
 Acq On : 28 Jun 2018 23:57  
 Operator : VA/AP  
 Sample : J3242-11  
 Misc : 5.89g/5ml/MSVOA D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 JC-02-062618-F

Quant Time: Jun 29 02:36:47 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D062518S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 25 07:29:35 2018  
 Response via : Initial Calibration

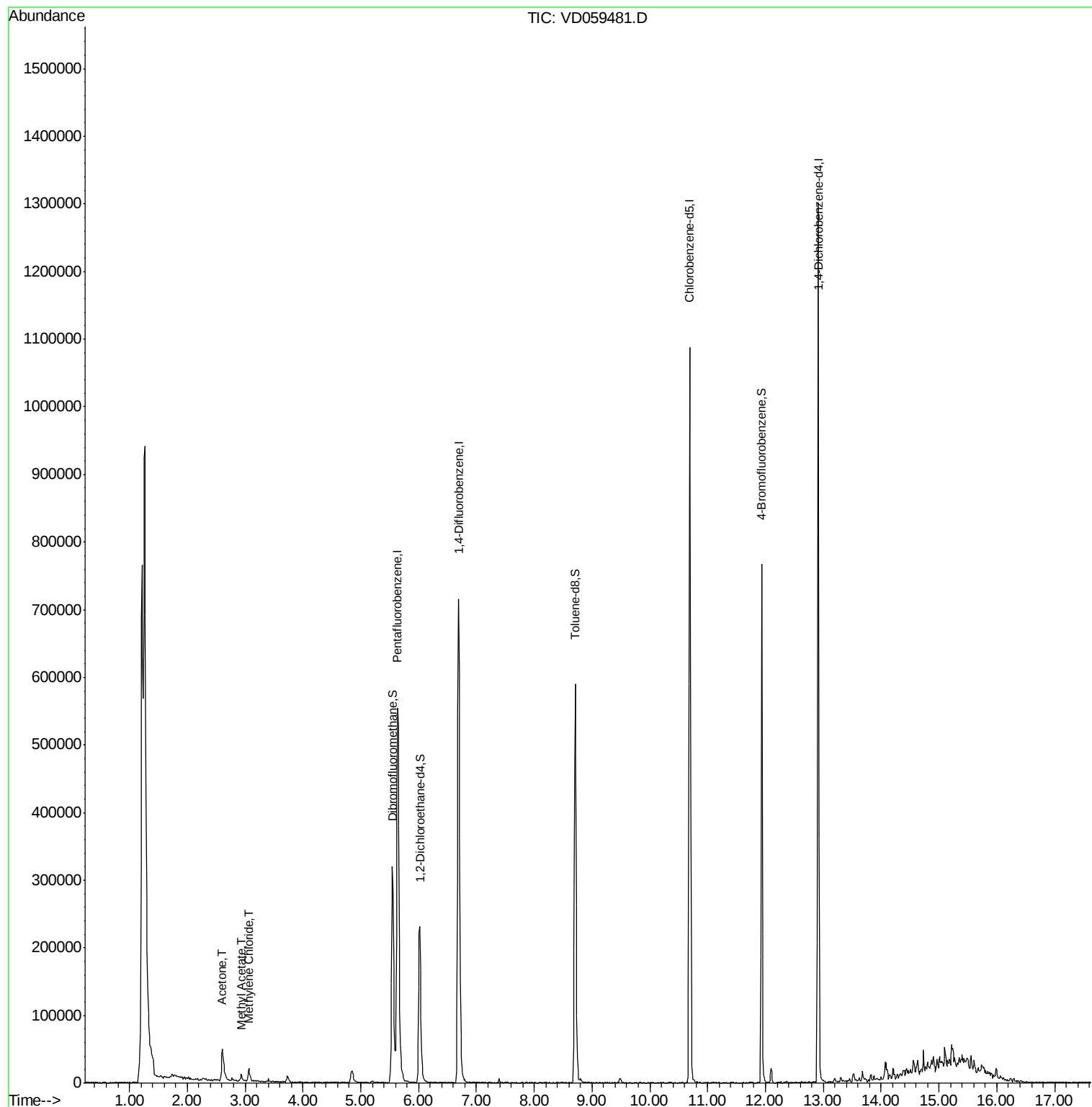
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 565013   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.69  | 114  | 721513   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.69 | 117  | 598278   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.91 | 152  | 307574   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.02  | 65   | 233346   | 40.38  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 80.76% |          |
| 35) Dibromofluoromethane    | 5.55  | 113  | 252955   | 43.04  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.08% |          |
| 50) Toluene-d8              | 8.71  | 98   | 463053   | 33.70  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 67.40% |          |
| 62) 4-Bromofluorobenzene    | 11.93 | 95   | 219062   | 38.33  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 76.66% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 2.61  | 43   | 100455   | 137.75 | ug/l   | 96       |
| 18) Methyl Acetate          | 2.93  | 43   | 16264    | 6.82   | ug/l # | 90       |
| 20) Methylene Chloride      | 3.07  | 84   | 8794     | 1.95   | ug/l # | 93       |

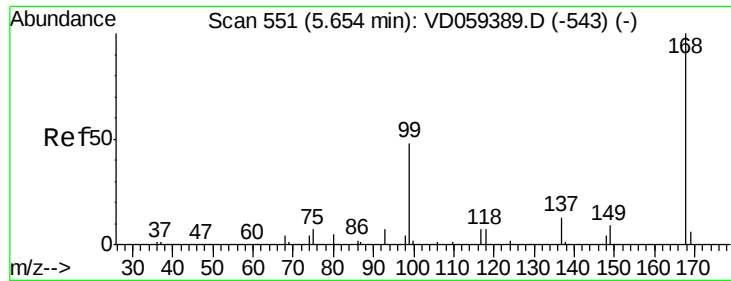
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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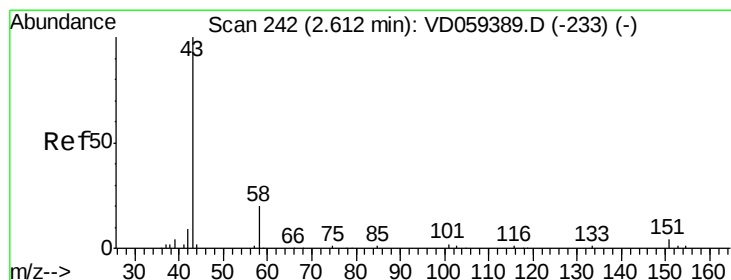
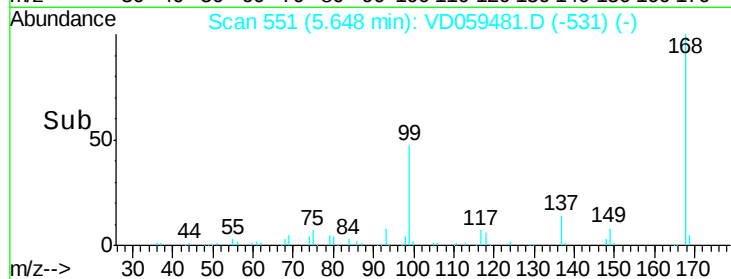
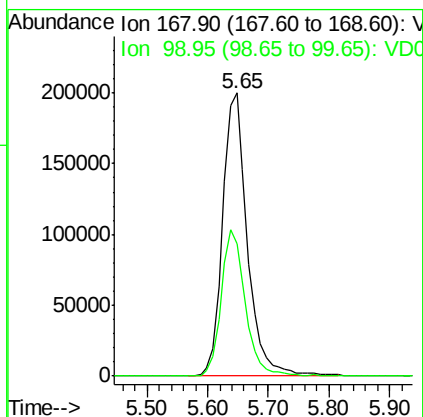
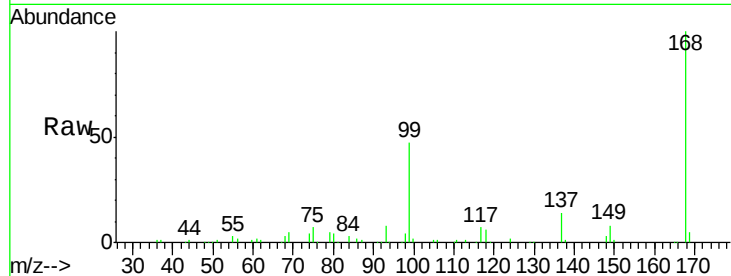




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.65 min Scan# 551  
Delta R.T. -0.01 min  
Lab File: VD059481.D  
Acq: 28 Jun 2018 23:57

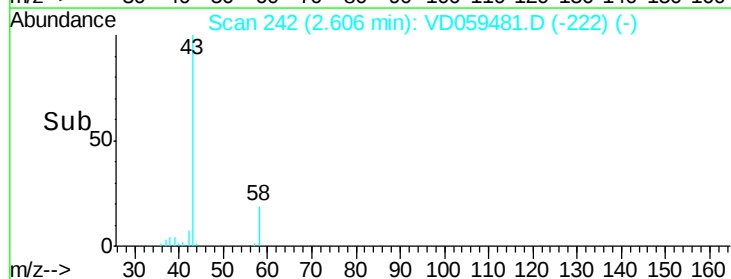
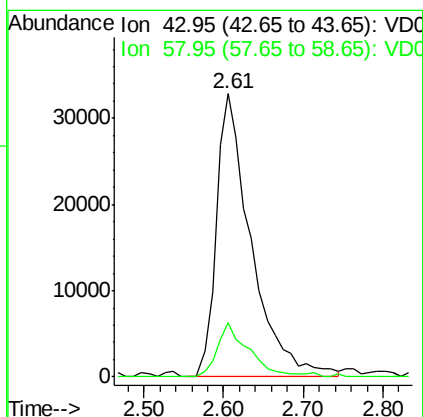
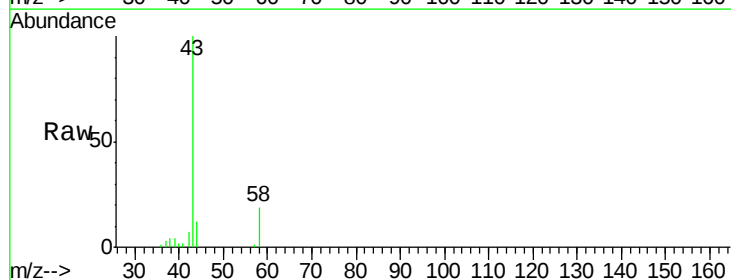
Instrument :  
MSVOA\_D  
ClientSampleId :  
JC-02-062618-F

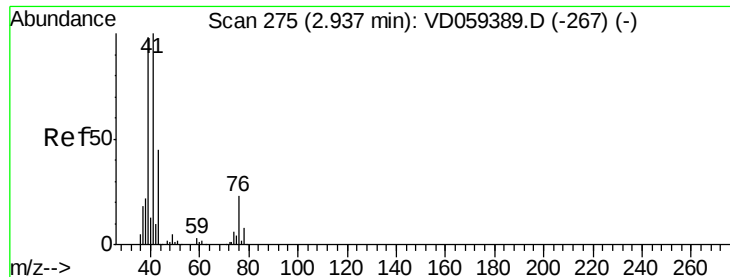
Tot Ion:168 Resp: 565013  
Ion Ratio Lower Upper  
168 100  
99 46.6 41.0 61.6



#16  
Acetone  
Concen: 137.75 ug/l  
RT: 2.61 min Scan# 242  
Delta R.T. -0.01 min  
Lab File: VD059481.D  
Acq: 28 Jun 2018 23:57

Tgt Ion: 43 Resp: 100455  
Ion Ratio Lower Upper  
43 100  
58 19.1 16.8 25.2

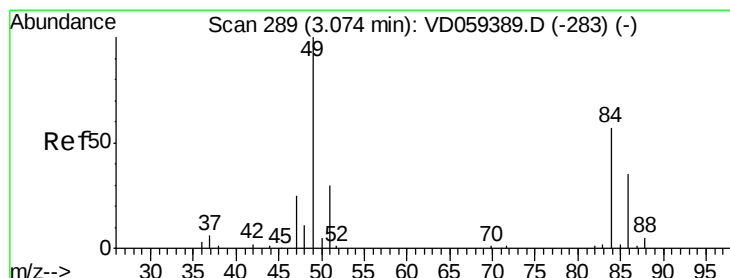
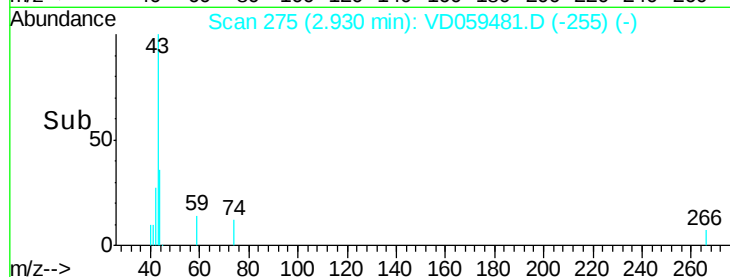
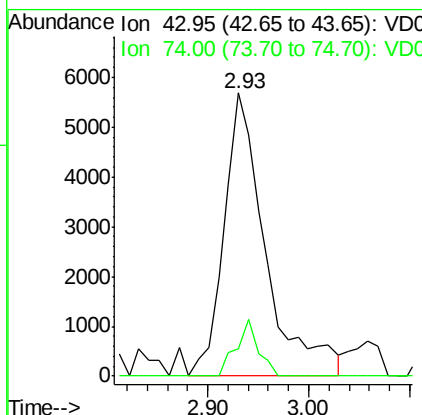
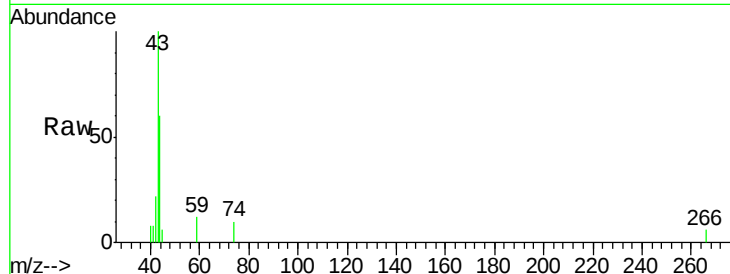




#18  
Methyl Acetate  
Concen: 6.82 ug/l  
RT: 2.93 min Scan# 275  
Delta R.T. -0.01 min  
Lab File: VD059481.D  
Acq: 28 Jun 2018 23:57

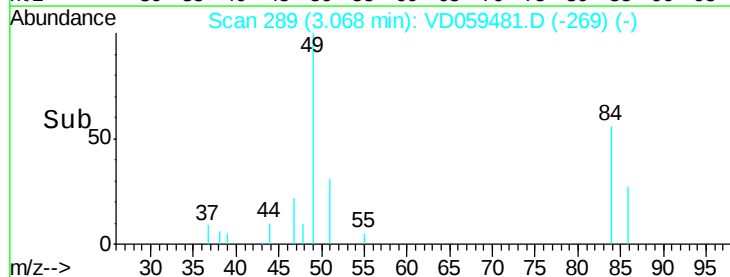
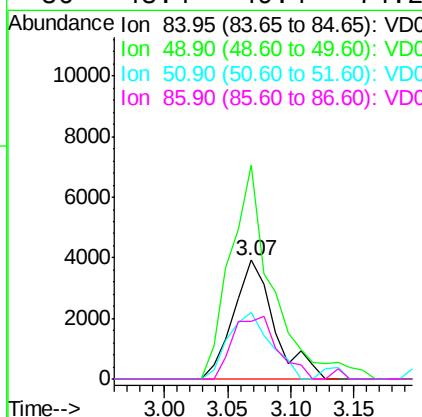
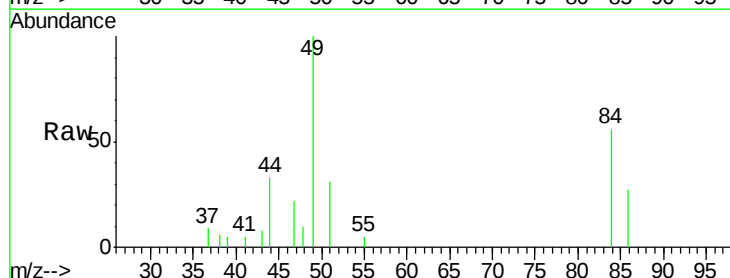
Instrument :  
MSVOA\_D  
ClientSampleId :  
JC-02-062618-F

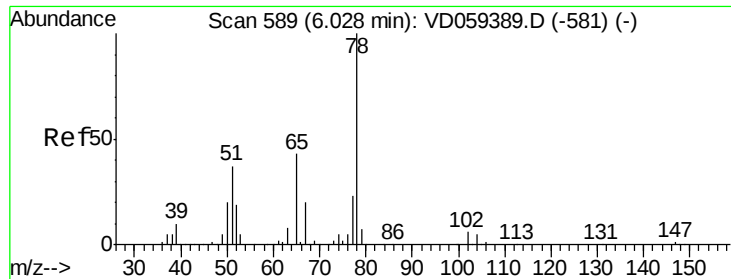
Tot Ion: 43 Resp: 16264  
Ion Ratio Lower Upper  
43 100  
74 9.7 11.0 16.4#



#20  
Methylene Chloride  
Concen: 1.95 ug/l  
RT: 3.07 min Scan# 289  
Delta R.T. -0.01 min  
Lab File: VD059481.D  
Acq: 28 Jun 2018 23:57

Tgt Ion: 84 Resp: 8794  
Ion Ratio Lower Upper  
84 100  
49 180.1 140.3 210.5  
51 55.8 41.6 62.4  
86 48.4 49.4 74.2#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.01 min

Lab File: VD059481.D

Acq: 28 Jun 2018 23:57

Instrument :

MSVOA\_D

ClientSampleId :

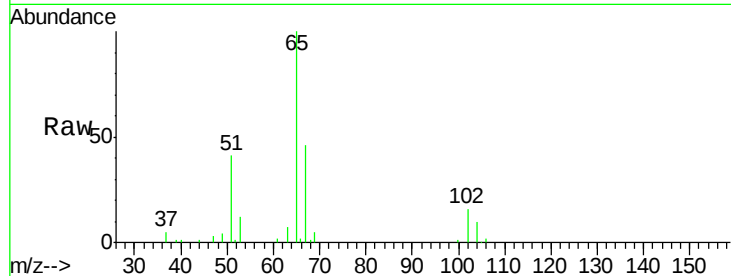
JC-02-062618-F

Tot Ion: 65 Resp: 233346

Ion Ratio Lower Upper

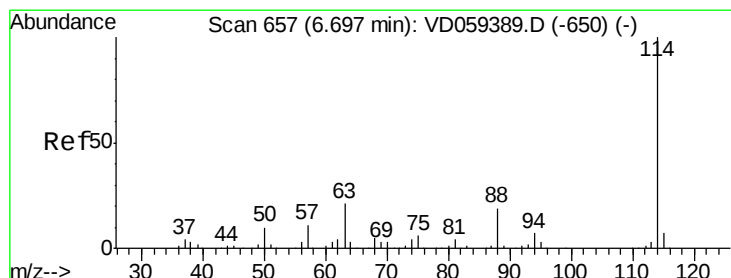
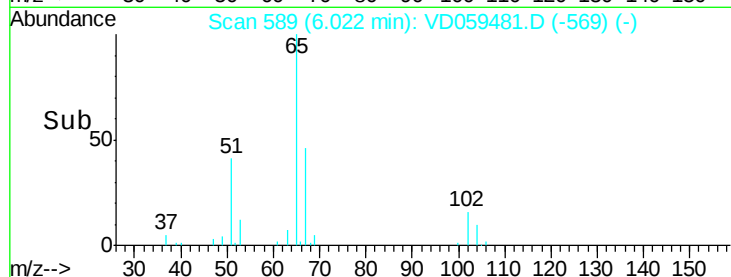
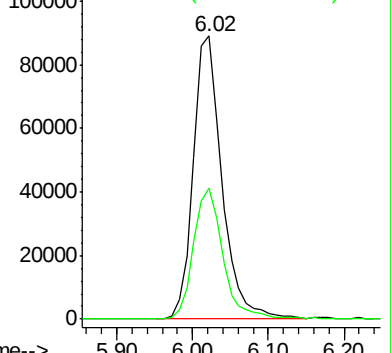
65 100

67 46.1 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.01 min

Lab File: VD059481.D

Acq: 28 Jun 2018 23:57

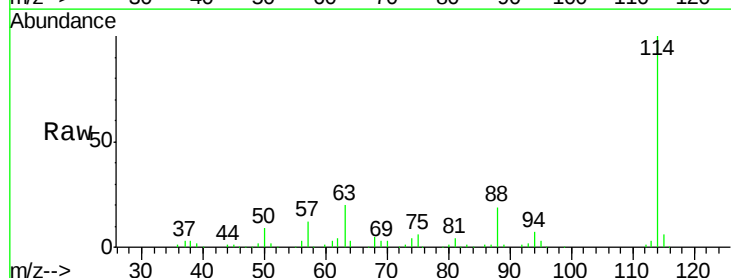
Tgt Ion: 114 Resp: 721513

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

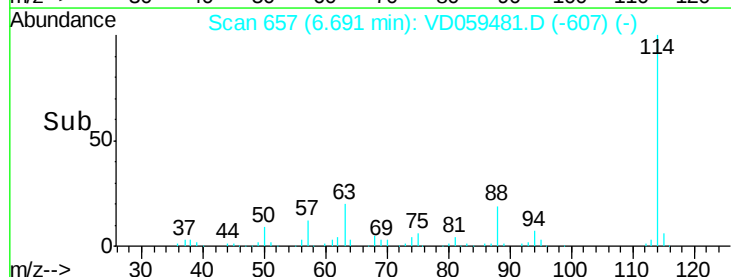
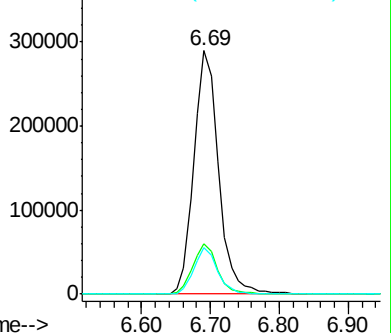
88 18.9 0.0 38.0

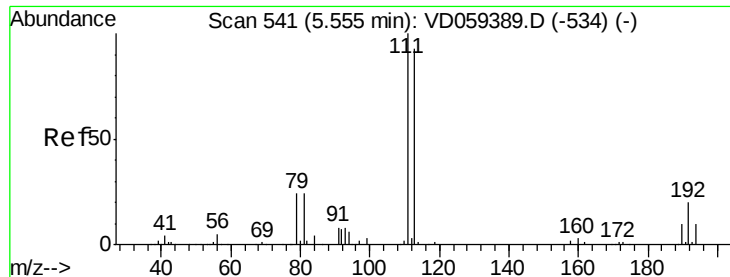


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

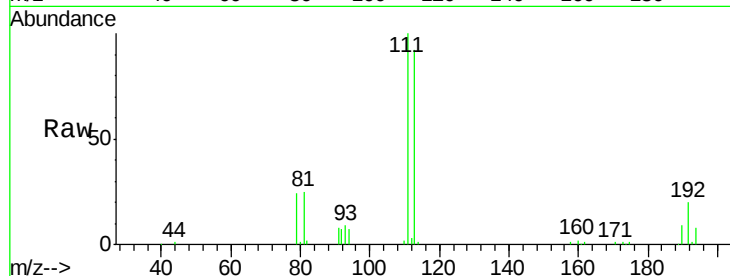




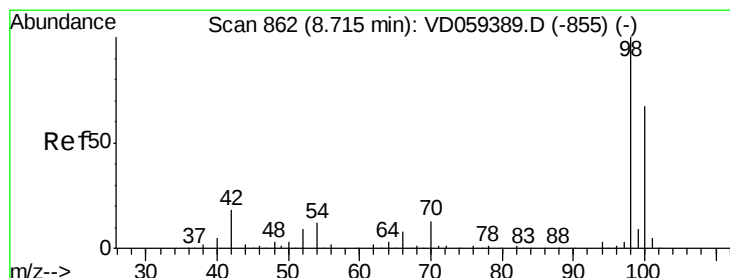
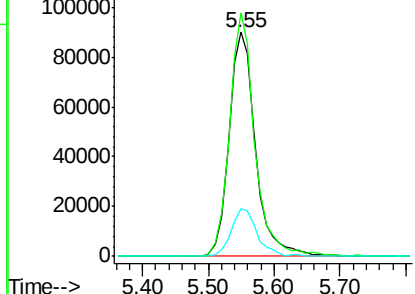
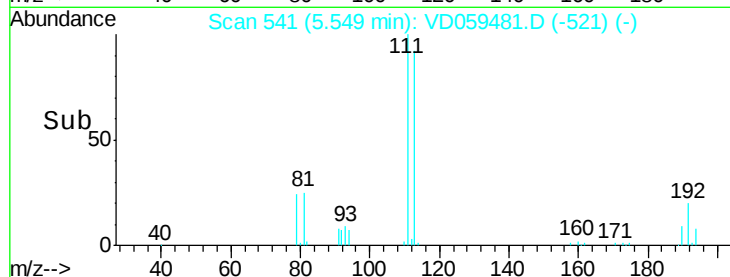
#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 5.55 min Scan# 541  
 Delta R.T. -0.01 min  
 Lab File: VD059481.D  
 Acq: 28 Jun 2018 23:57

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Tot Ion:113 Resp: 252955  
 Ion Ratio Lower Upper  
 113 100  
 111 108.7 85.7 128.5  
 192 21.2 16.9 25.3

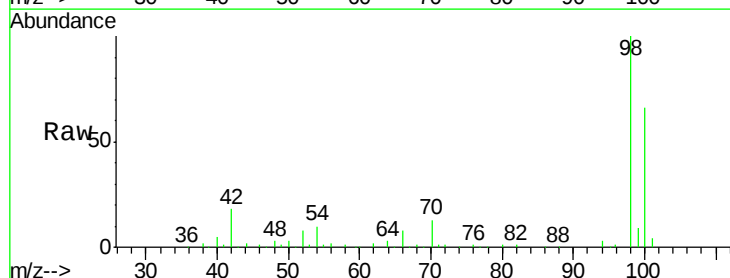


Abundance Ion 112.90 (112.60 to 113.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 191.80 (191.50 to 192.50): V

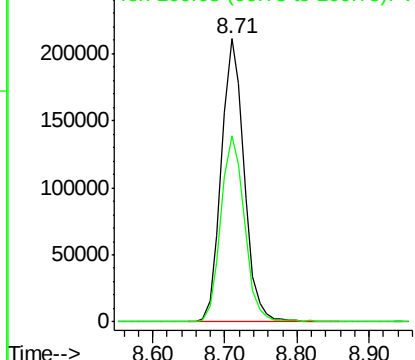
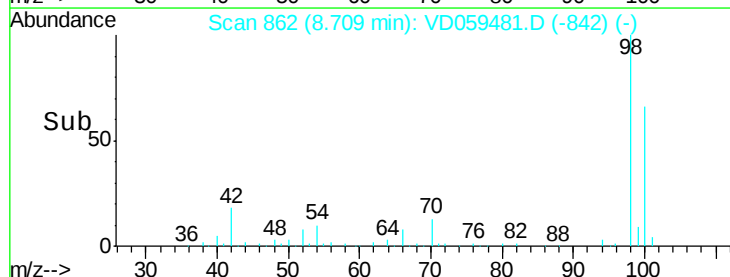


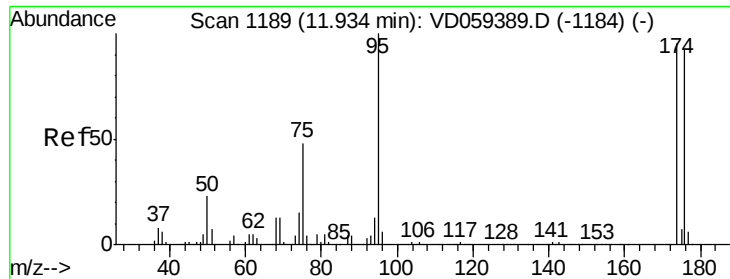
#50  
 Toluene-d8  
 Concen: N.D. ug/l  
 RT: 8.71 min Scan# 862  
 Delta R.T. -0.01 min  
 Lab File: VD059481.D  
 Acq: 28 Jun 2018 23:57

Tgt Ion: 98 Resp: 463053  
 Ion Ratio Lower Upper  
 98 100  
 100 65.8 54.4 81.6



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

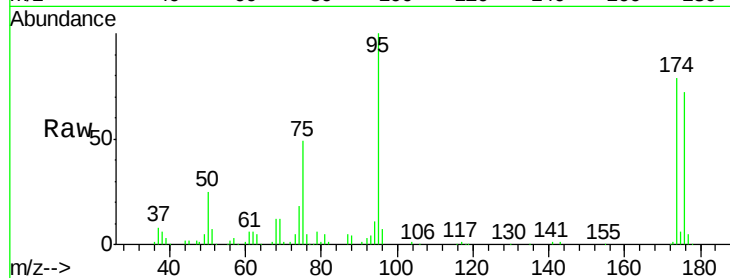




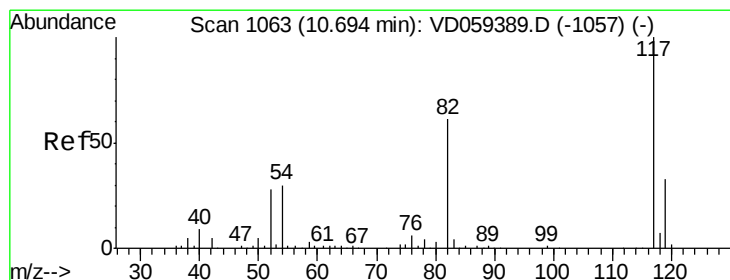
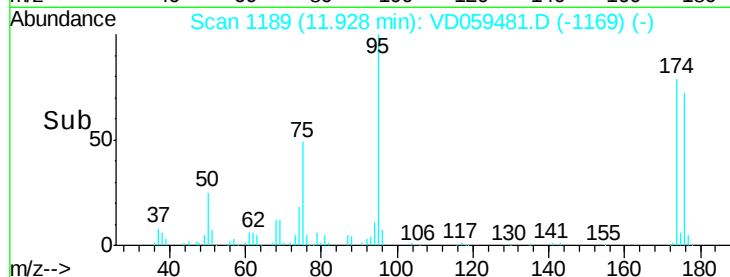
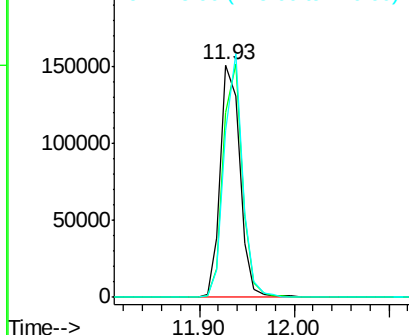
#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 11.93 min Scan# 1189  
Delta R.T. -0.01 min  
Lab File: VD059481.D  
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Tot Ion: 95 Resp: 219062  
Ion Ratio Lower Upper  
95 100  
174 79.2 0.0 190.4  
176 71.7 0.0 183.2

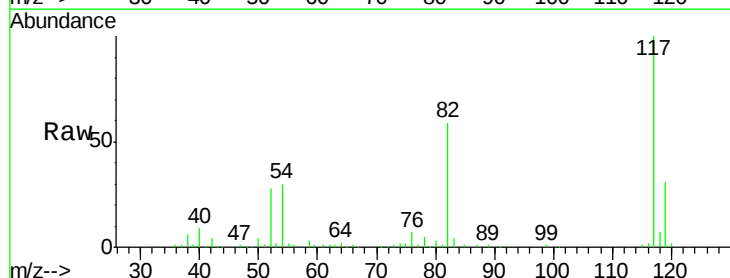


Abundance Ion 95.00 (94.70 to 95.70): V  
Ion 173.90 (173.60 to 174.60): V  
Ion 175.90 (175.60 to 176.60): V

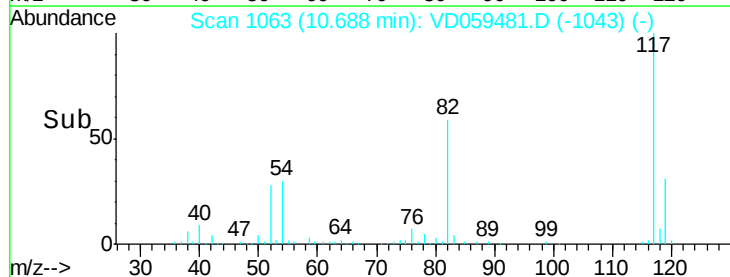
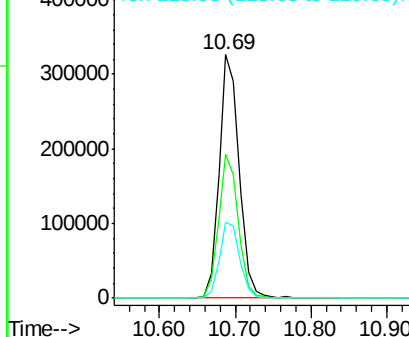


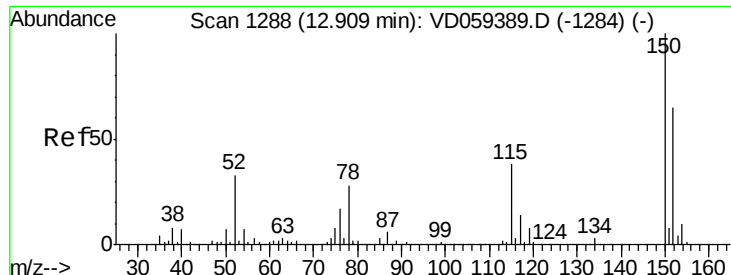
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.69 min Scan# 1063  
Delta R.T. -0.01 min  
Lab File: VD059481.D  
Acq: 28 Jun 2018 23:57

Tgt Ion: 117 Resp: 598278  
Ion Ratio Lower Upper  
117 100  
82 59.3 49.0 73.6  
119 31.1 26.2 39.4



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: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD059481.D

Acq: 28 Jun 2018 23:57

Instrument :

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ClientSampleId :

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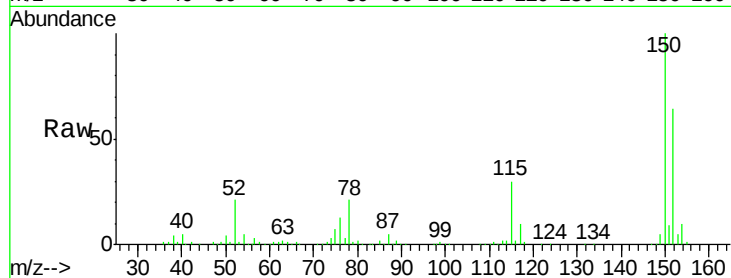
Tot Ion:152 Resp: 307574

Ion Ratio Lower Upper

152 100

115 47.1 29.4 88.3

150 155.1 0.0 308.2



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

