

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081418\  
 Data File : VD059772.D  
 Acq On : 14 Aug 2018 17:46  
 Operator : VA/AP  
 Sample : J4442-51  
 Misc : 6.61g/5ml/MSVOA D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP-1-6

Quant Time: Aug 15 11:19:49 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D081018S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 11 05:42:24 2018  
 Response via : Initial Calibration

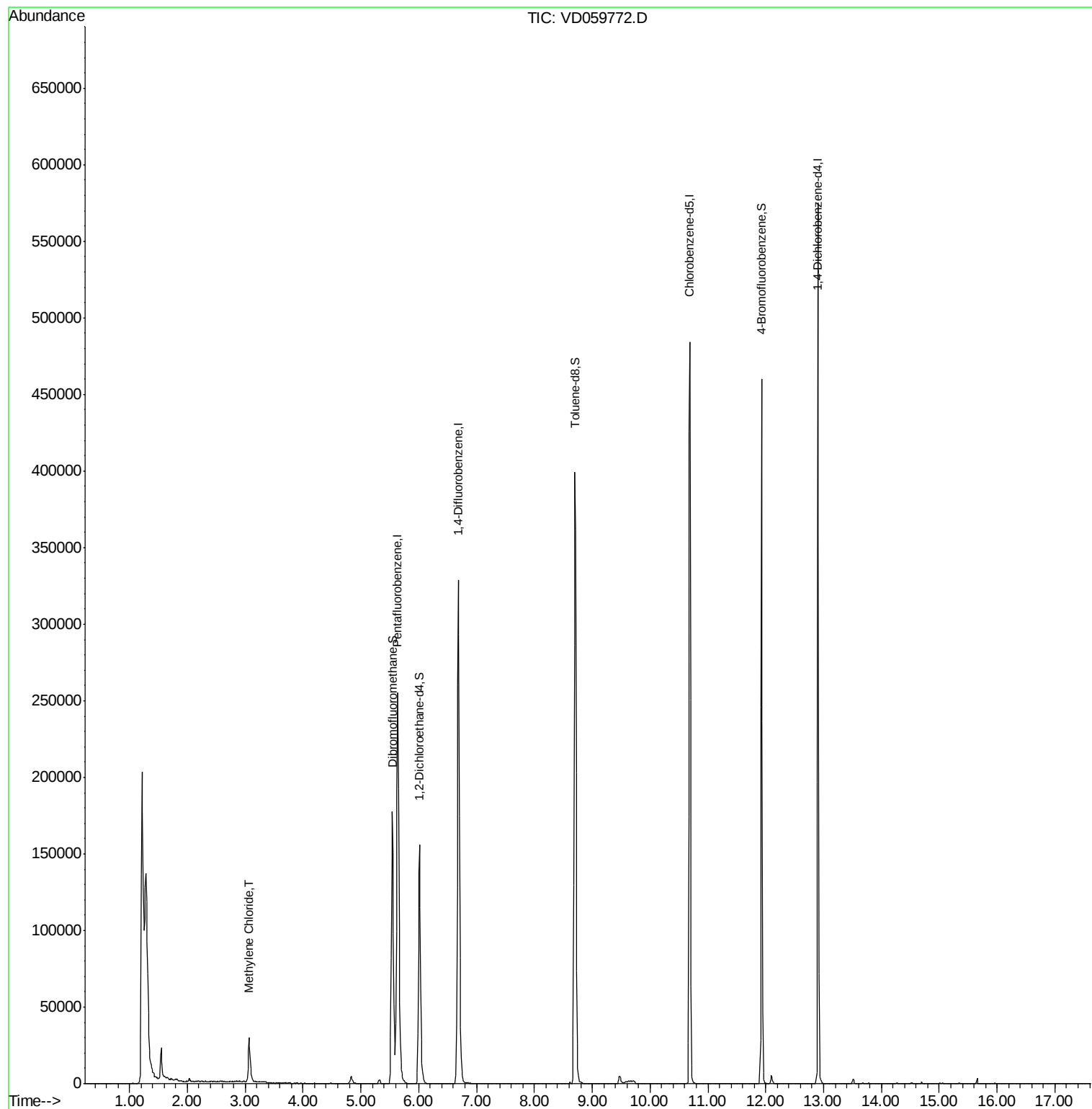
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 246049   | 50.00 | ug/l   | 0.01      |
| 34) 1,4-Difluorobenzene     | 6.68  | 114  | 327984   | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 10.69 | 117  | 257925   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.90 | 152  | 115306   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 6.02  | 65   | 161702   | 41.99 | ug/l   | 0.01      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 83.98% |           |
| 35) Dibromofluoromethane    | 5.54  | 113  | 142150   | 42.09 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 84.18% |           |
| 50) Toluene-d8              | 8.70  | 98   | 323550   | 48.30 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.60% |           |
| 62) 4-Bromofluorobenzene    | 11.93 | 95   | 116688   | 34.73 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 69.46% |           |
| Target Compounds            |       |      |          |       |        |           |
| 20) Methylene Chloride      | 3.06  | 84   | 14072    | 7.75  | ug/l   | Qvalue 89 |

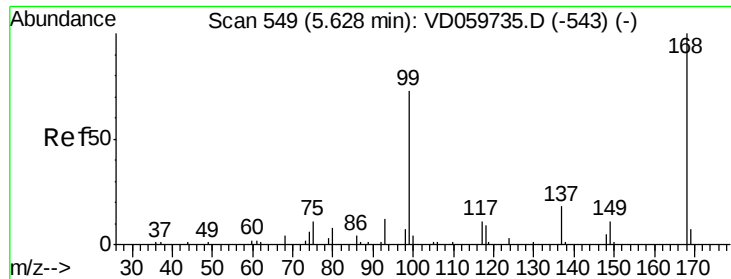
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SP-1-6

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Response via : Initial Calibration

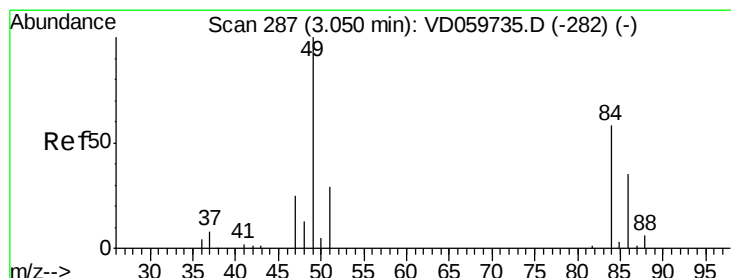
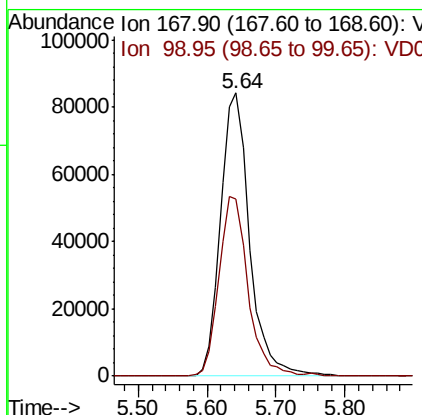
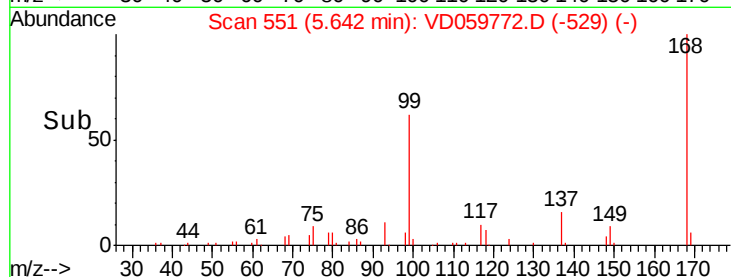
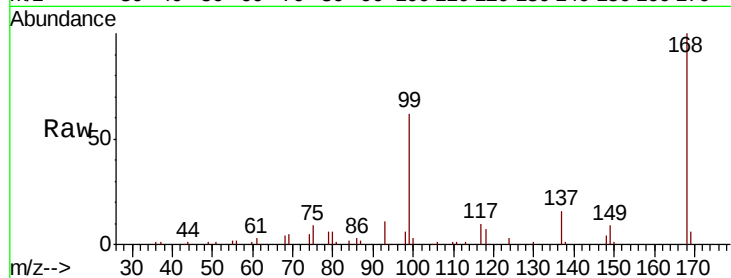




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.64 min Scan# 551  
Delta R.T. 0.01 min  
Lab File: VD059772.D  
Acq: 14 Aug 2018 17:46

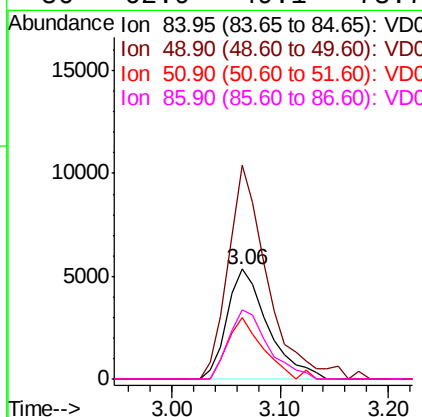
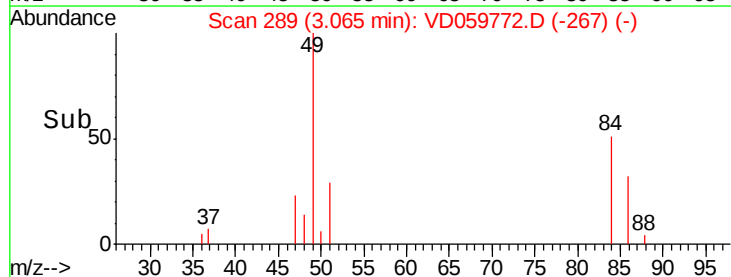
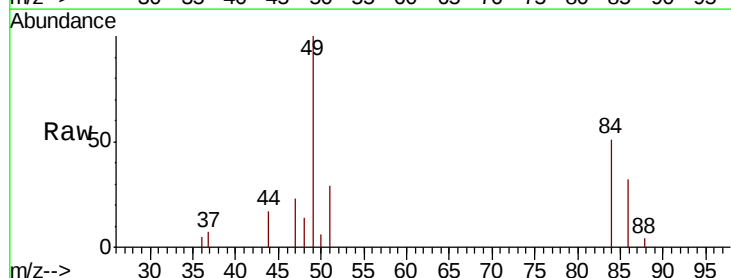
Instrument :  
MSVOA\_D  
ClientSampleId :  
SP-1-6

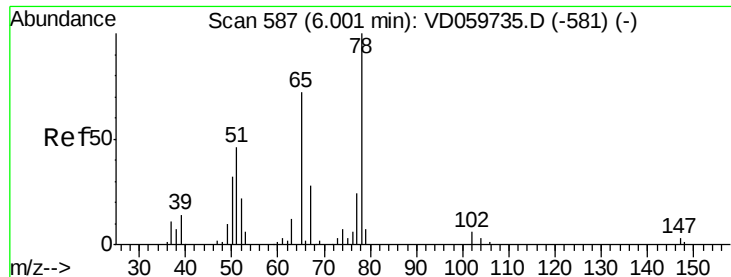
Tot Ion:168 Resp: 246049  
Ion Ratio Lower Upper  
168 100  
99 62.4 61.4 92.2



#20  
Methylene Chloride  
Concen: 7.75 ug/l  
RT: 3.06 min Scan# 289  
Delta R.T. 0.01 min  
Lab File: VD059772.D  
Acq: 14 Aug 2018 17:46

Tgt Ion: 84 Resp: 14072  
Ion Ratio Lower Upper  
84 100  
49 194.5 138.9 208.3  
51 55.5 40.2 60.2  
86 62.9 49.1 73.7





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD059772.D

Acq: 14 Aug 2018 17:46

Instrument :

MSVOA\_D

ClientSampleId :

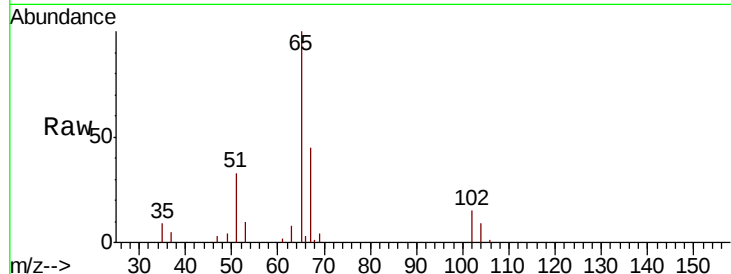
SP-1-6

Tot Ion: 65 Resp: 161702

Ion Ratio Lower Upper

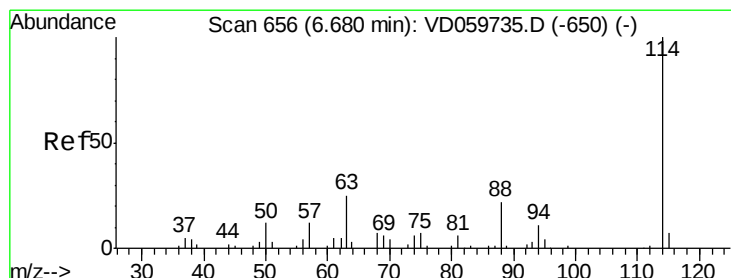
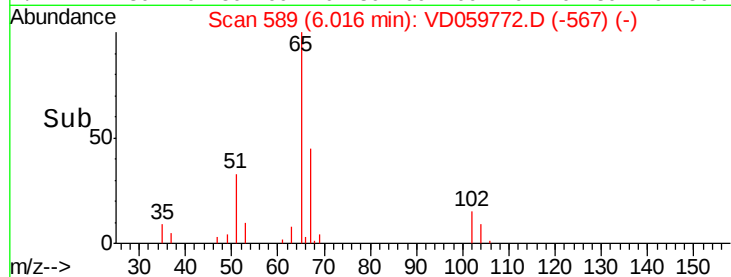
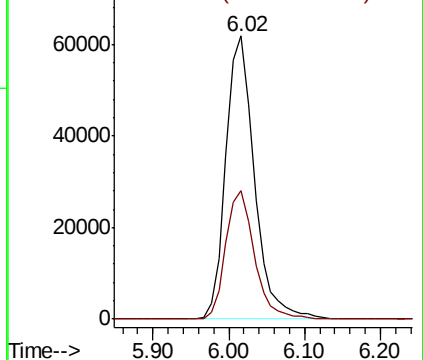
65 100

67 45.4 0.0 77.4



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: 6.68 min Scan# 657

Delta R.T. 0.00 min

Lab File: VD059772.D

Acq: 14 Aug 2018 17:46

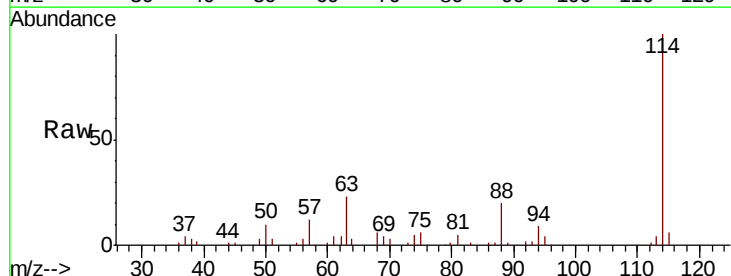
Tgt Ion: 114 Resp: 327984

Ion Ratio Lower Upper

114 100

63 22.8 0.0 50.6

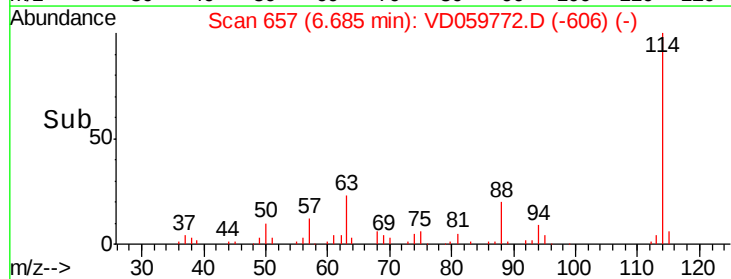
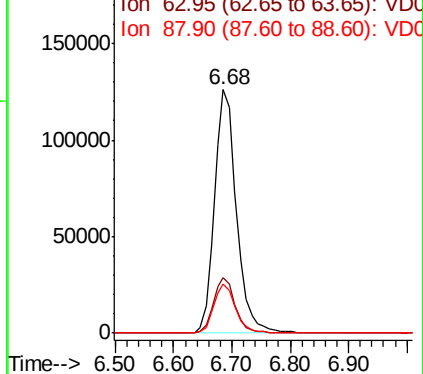
88 20.0 0.0 43.4

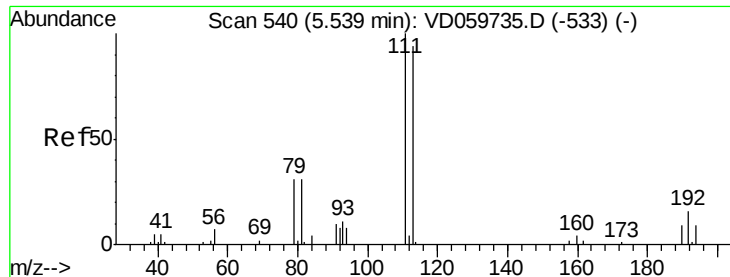


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

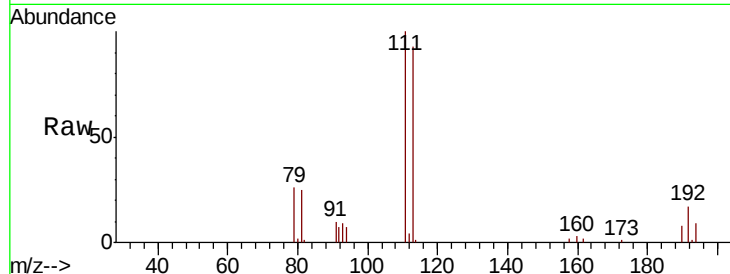




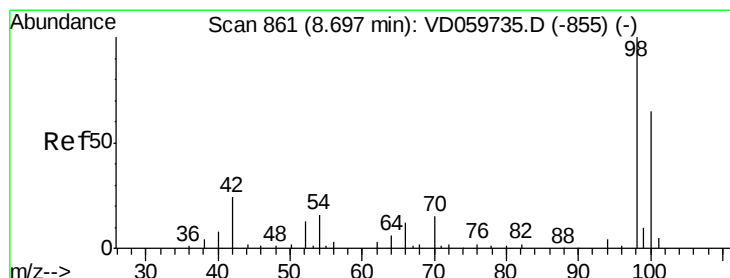
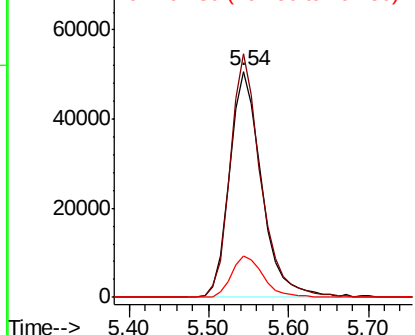
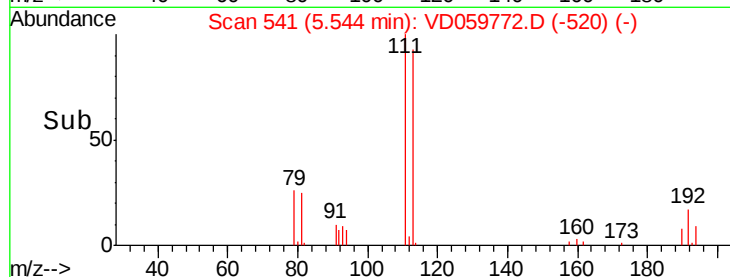
#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 5.54 min Scan# 541  
 Delta R.T. 0.00 min  
 Lab File: VD059772.D  
 Acq: 14 Aug 2018 17:46

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP-1-6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 107.8 | 85.3  | 127.9 |
| 192     | 18.2  | 13.9  | 20.9  |

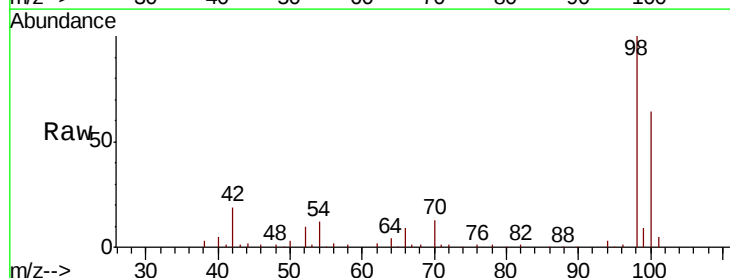


Abundance Ion 112.90 (112.60 to 113.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 191.80 (191.50 to 192.50): V

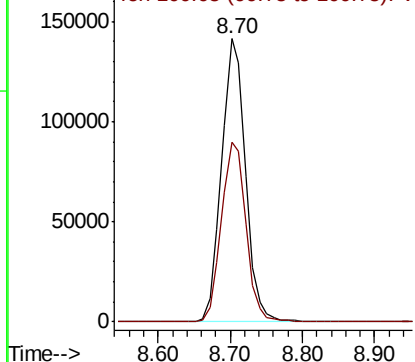
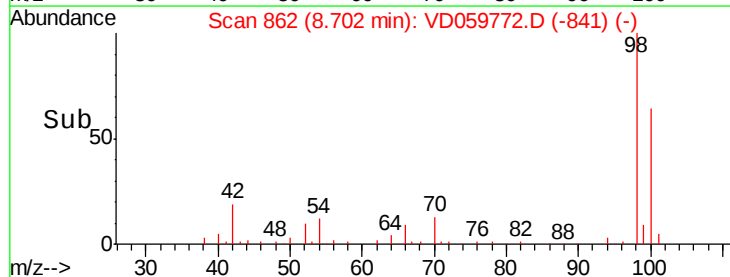


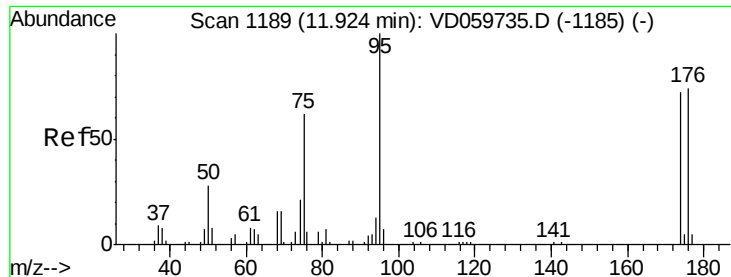
#50  
 Toluene-d8  
 Concen: N.D. ug/l  
 RT: 8.70 min Scan# 862  
 Delta R.T. 0.00 min  
 Lab File: VD059772.D  
 Acq: 14 Aug 2018 17:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.6  | 52.2  | 78.2  |



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

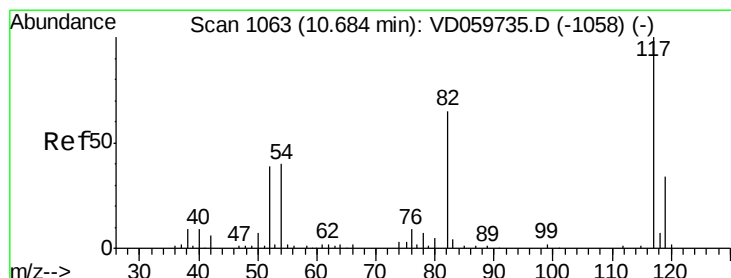
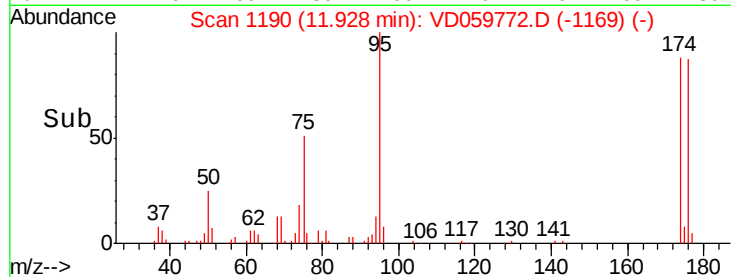
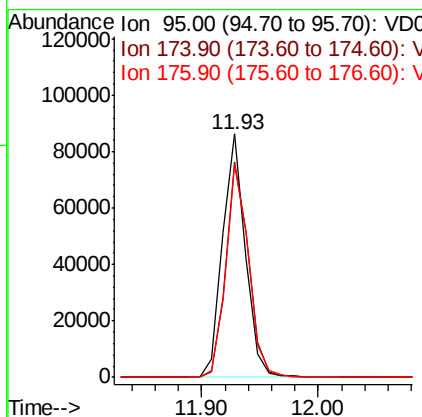
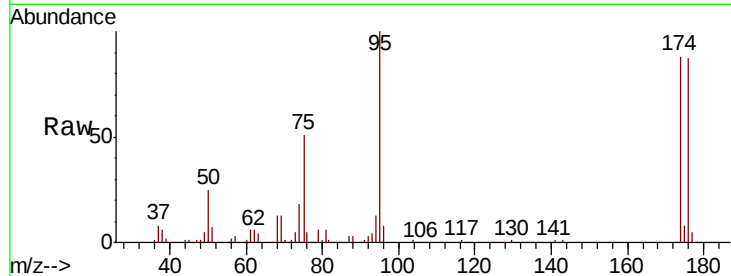




#62  
 4-Bromofluorobenzene  
 Concen: N.D. ug/l  
 RT: 11.93 min Scan# 1190  
 Delta R.T. 0.00 min  
 Lab File: VD059772.D  
 Acq: 14 Aug 2018 17:46

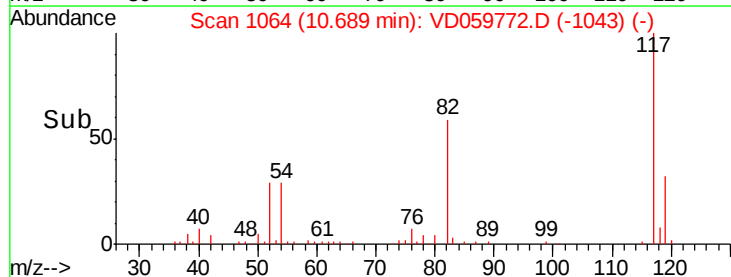
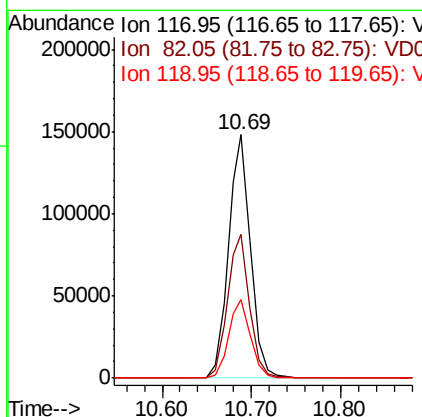
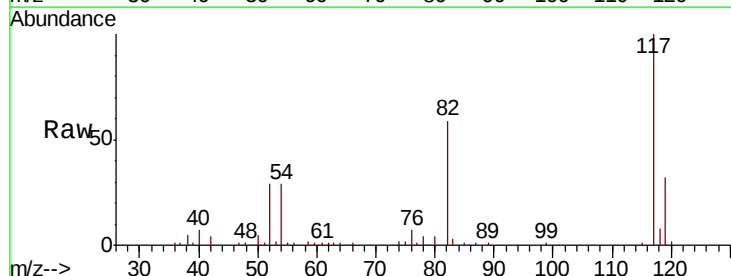
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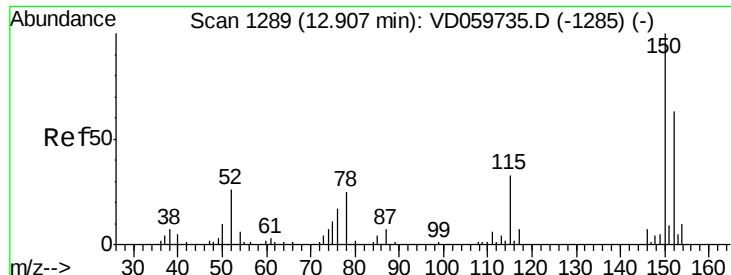
Tot Ion: 95 Resp: 116688  
 Ion Ratio Lower Upper  
 95 100  
 174 88.2 0.0 143.2  
 176 87.3 0.0 147.2



#63  
 Chlorobenzene-d5  
 Concen: 50.00 ug/l  
 RT: 10.69 min Scan# 1064  
 Delta R.T. 0.00 min  
 Lab File: VD059772.D  
 Acq: 14 Aug 2018 17:46

Tgt Ion: 117 Resp: 257925  
 Ion Ratio Lower Upper  
 117 100  
 82 59.0 51.9 77.9  
 119 32.1 27.4 41.0

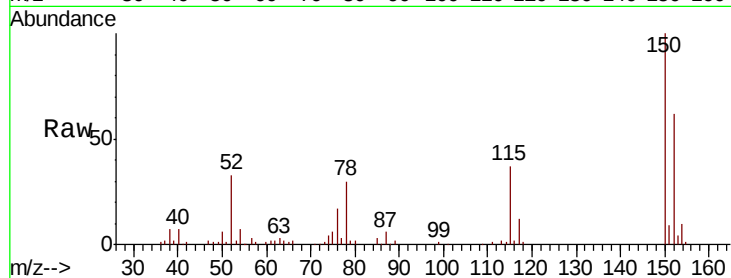




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.90 min Scan# 1289  
 Delta R.T. -0.01 min  
 Lab File: VD059772.D  
 Acq: 14 Aug 2018 17:46

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP-1-6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.7  | 29.8  | 89.3  |
| 150     | 162.3 | 0.0   | 320.4 |



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

