

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\  
 Data File : VD061787.D  
 Acq On : 12 Apr 2019 19:26  
 Operator : VA/AP  
 Sample : K2342-06RE  
 Misc : 7.03g/5ml/MSVOA D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-11-D2RE

Quant Time: Apr 12 23:53:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D040619S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 08 10:04:03 2019  
 Response via : Initial Calibration

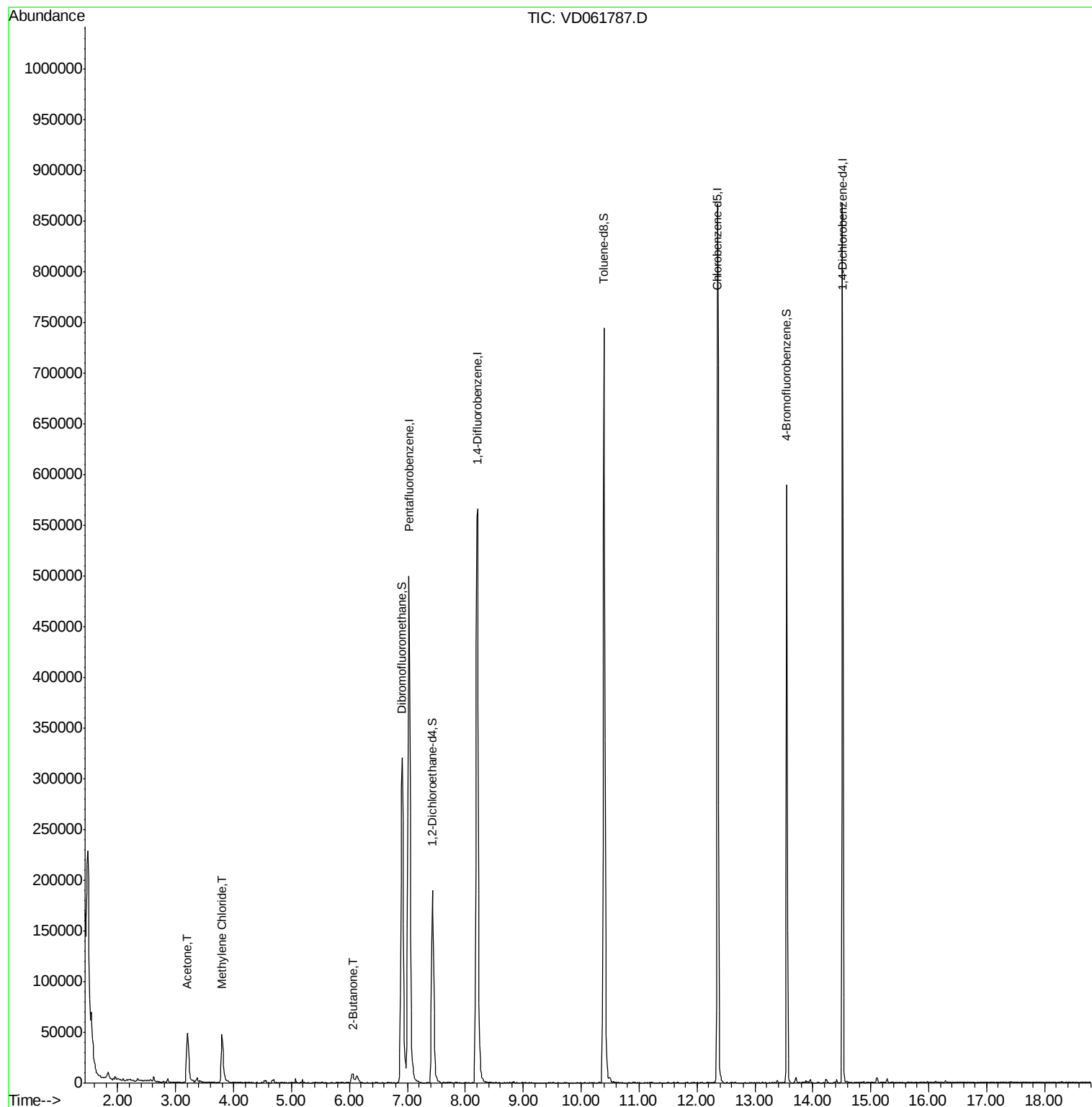
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.03  | 168  | 484429   | 50.00  | ug/l    | -0.01    |
| 34) 1,4-Difluorobenzene     | 8.21  | 114  | 727195   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 12.35 | 117  | 537361   | 50.00  | ug/l    | -0.01    |
| 72) 1,4-Dichlorobenzene-d4  | 14.51 | 152  | 194579   | 50.00  | ug/l    | -0.01    |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.43  | 65   | 194794   | 53.05  | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.10% |          |
| 35) Dibromofluoromethane    | 6.91  | 113  | 298479   | 59.25  | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 118.50% |          |
| 50) Toluene-d8              | 10.39 | 98   | 634879   | 50.16  | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.32% |          |
| 62) 4-Bromofluorobenzene    | 13.54 | 95   | 199623   | 43.70  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.40%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.20  | 43   | 98663    | 89.884 | ug/l    | 96       |
| 20) Methylene Chloride      | 3.80  | 84   | 35640    | 5.722  | ug/l    | 92       |
| 25) 2-Butanone              | 6.04  | 43   | 21757    | 17.193 | ug/l    | 92       |

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

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Quant Title : SW846 8260  
QLast Update : Mon Apr 08 10:04:03 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD061787.D

Acq: 12 Apr 2019 19:26

Instrument :

MSVOA\_D

ClientSampleId :

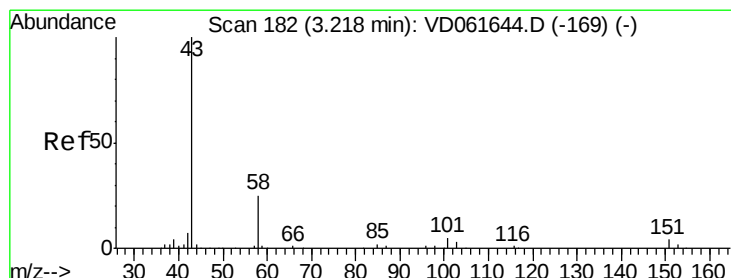
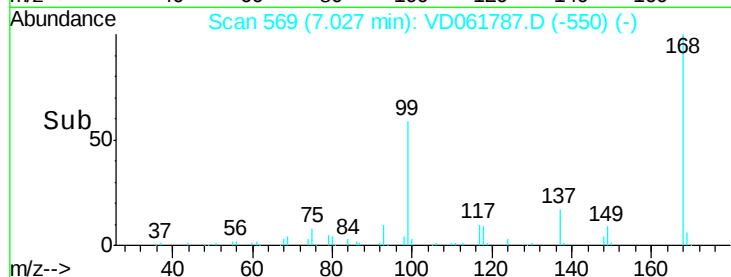
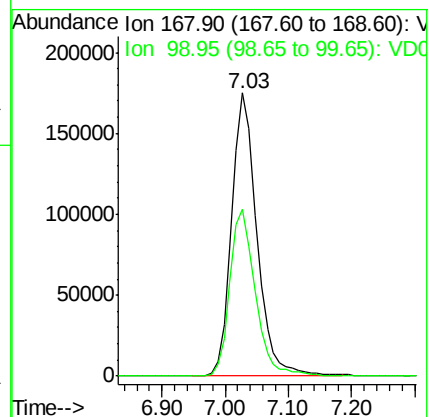
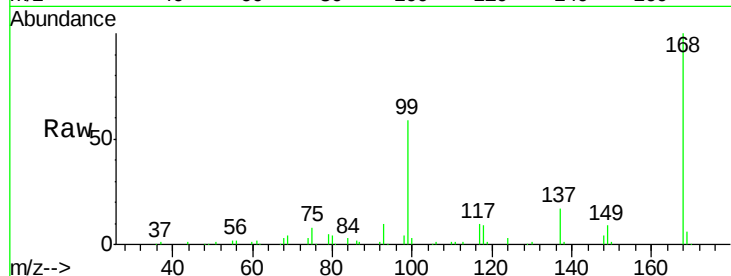
TP-11-D2RE

Tot Ion:168 Resp: 484429

Ion Ratio Lower Upper

168 100

99 58.8 46.8 70.2



#16

Acetone

Concen: 89.884 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.02 min

Lab File: VD061787.D

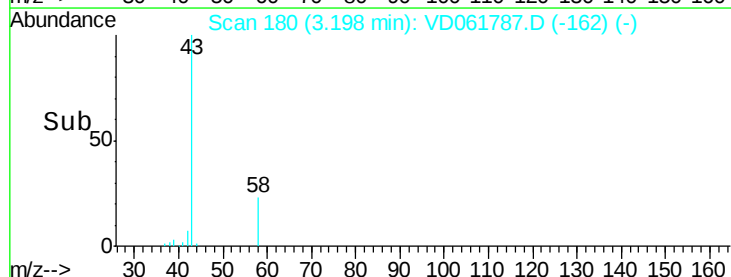
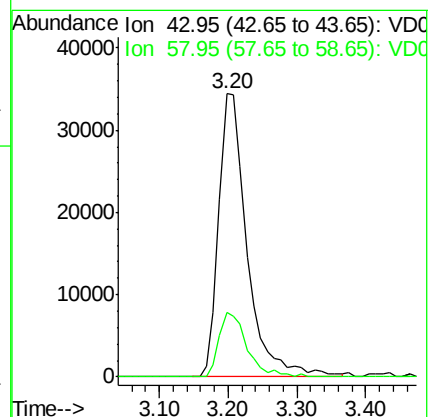
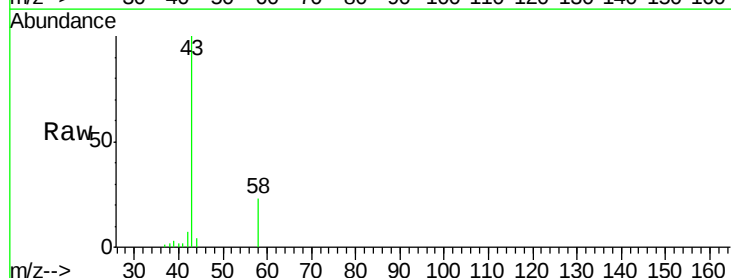
Acq: 12 Apr 2019 19:26

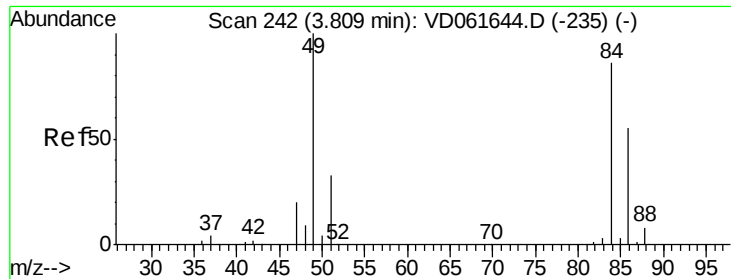
Tgt Ion: 43 Resp: 98663

Ion Ratio Lower Upper

43 100

58 22.9 19.7 29.5

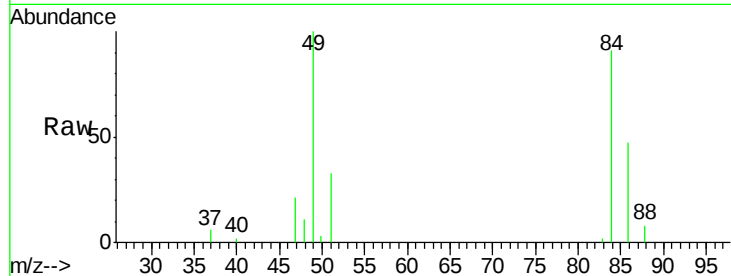




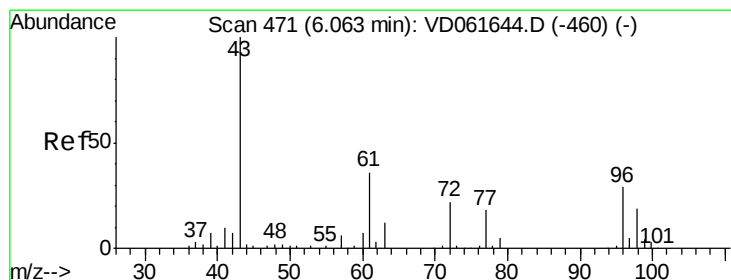
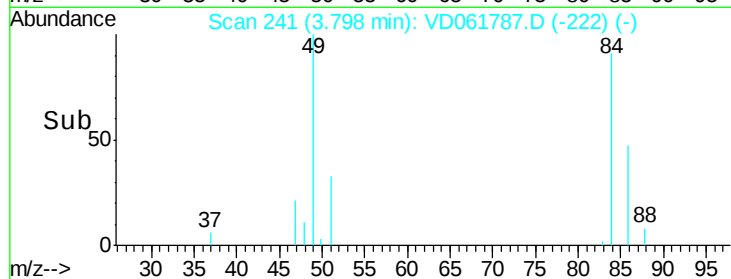
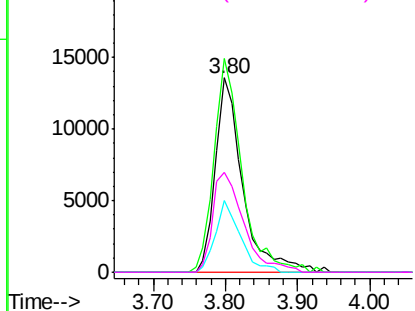
#20  
Methvlene Chloride  
Concen: 5.722 ug/l  
RT: 3.80 min Scan# 241  
Delta R.T. -0.01 min  
Lab File: VD061787.D  
Acq: 12 Apr 2019 19:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-11-D2RE

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 35640 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 109.9 | 93.0  | 139.4 |
| 51       | 36.7  | 30.4  | 45.6  |
| 86       | 51.3  | 51.0  | 76.4  |

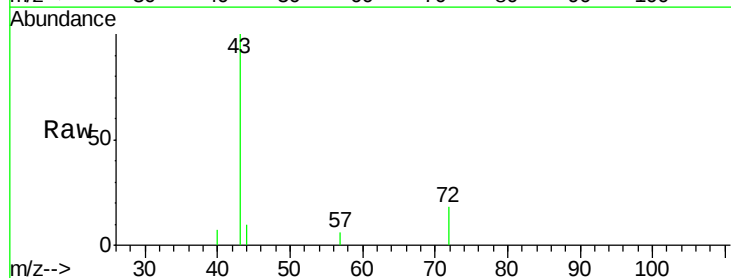


Abundance Ion 83.95 (83.65 to 84.65): VDC  
Ion 48.90 (48.60 to 49.60): VDC  
Ion 50.90 (50.60 to 51.60): VDC  
Ion 85.90 (85.60 to 86.60): VDC

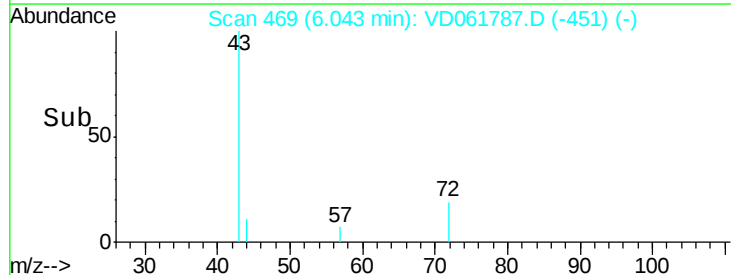
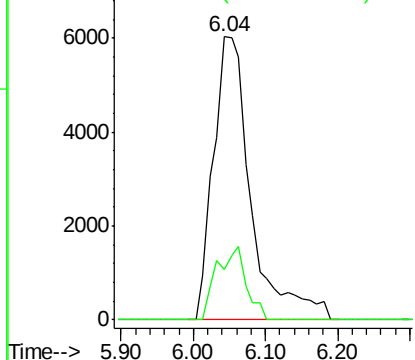


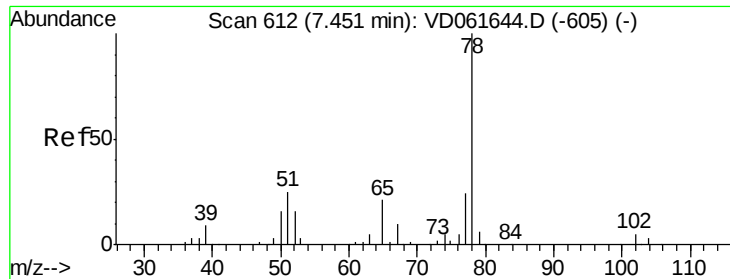
#25  
2-Butanone  
Concen: 17.193 ug/l  
RT: 6.04 min Scan# 469  
Delta R.T. -0.02 min  
Lab File: VD061787.D  
Acq: 12 Apr 2019 19:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 21757 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 17.8  | 17.4  | 26.2  |



Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 72.00 (71.70 to 72.70): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.02 min

Lab File: VD061787.D

Acq: 12 Apr 2019 19:26

Instrument :

MSVOA\_D

ClientSampleId :

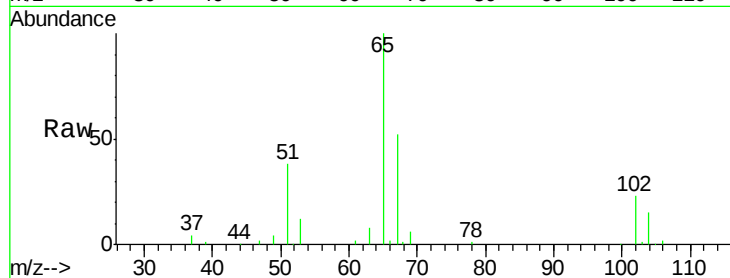
TP-11-D2RE

Tot Ion: 65 Resp: 194794

Ion Ratio Lower Upper

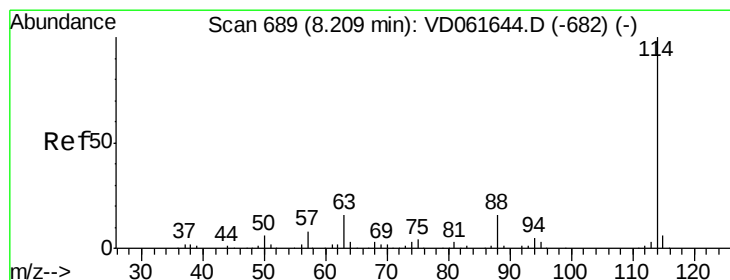
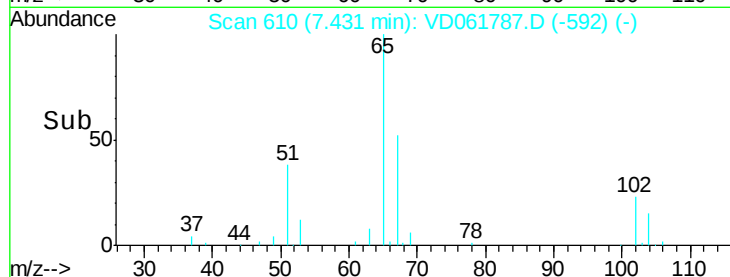
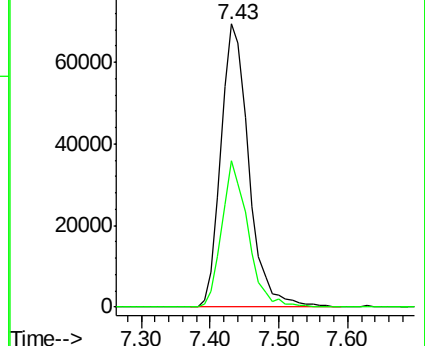
65 100

67 51.8 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD061787.D

Acq: 12 Apr 2019 19:26

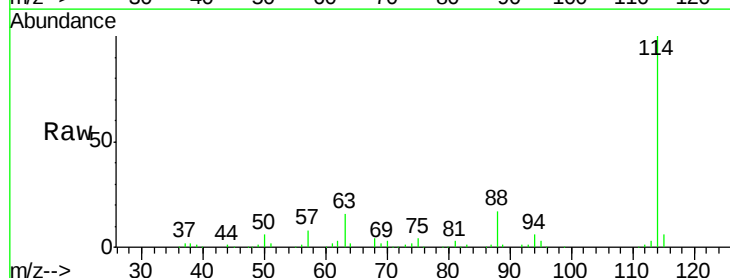
Tgt Ion: 114 Resp: 727195

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.2

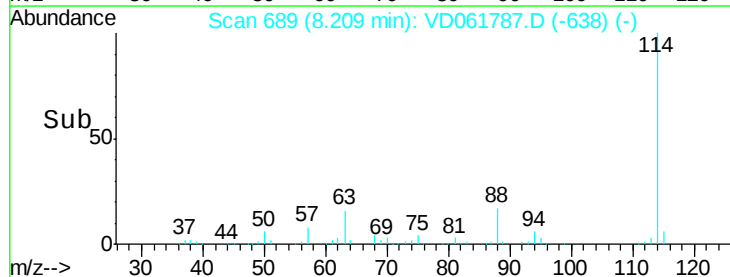
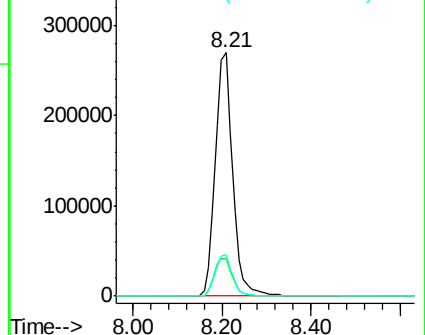
88 16.8 0.0 31.8

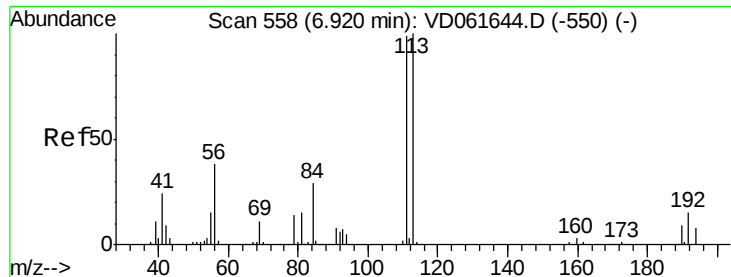


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

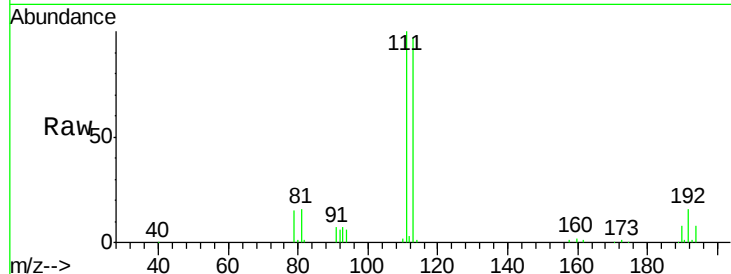




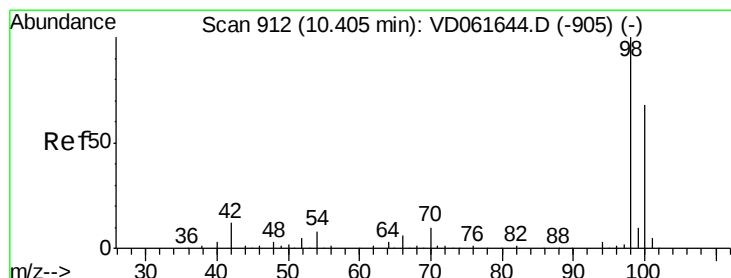
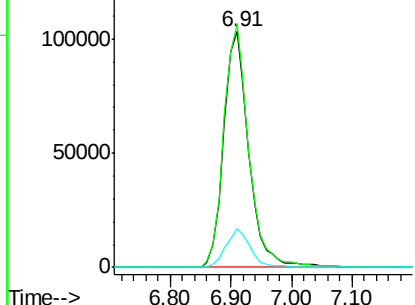
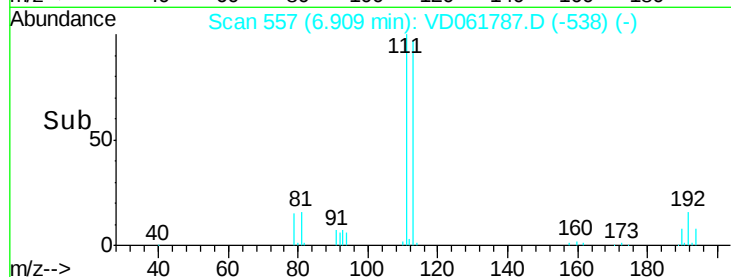
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.91 min Scan# 557  
 Delta R.T. -0.01 min  
 Lab File: VD061787.D  
 Acq: 12 Apr 2019 19:26

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-11-D2RE

Tot Ion:113 Resp: 298479  
 Ion Ratio Lower Upper  
 113 100  
 111 103.3 79.3 118.9  
 192 16.5 12.3 18.5

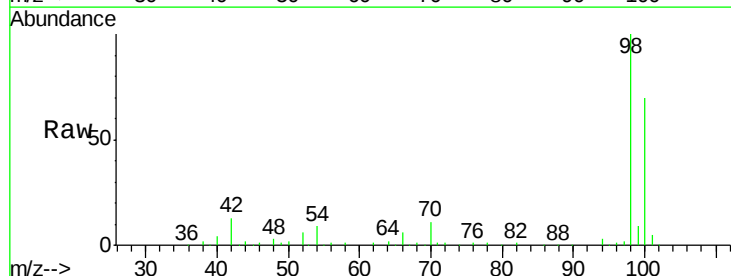


Abundance Ion 112.90 (112.60 to 113.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 191.80 (191.50 to 192.50): V

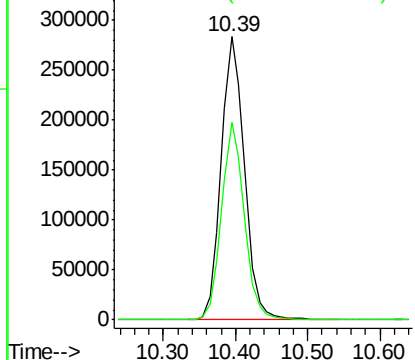
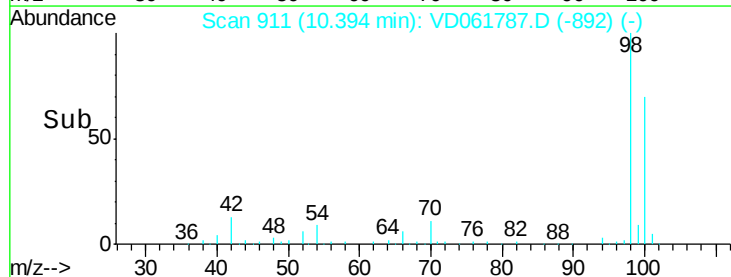


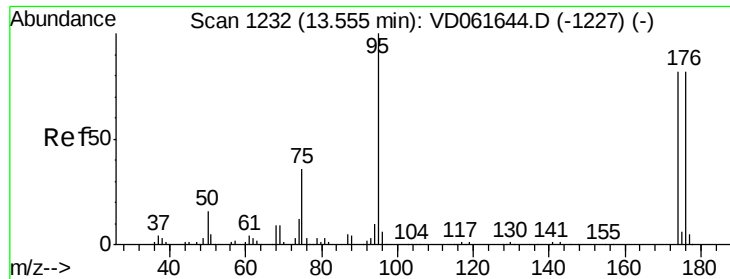
#50  
 Toluene-d8  
 Concen: N.D. ug/l  
 RT: 10.39 min Scan# 911  
 Delta R.T. -0.01 min  
 Lab File: VD061787.D  
 Acq: 12 Apr 2019 19:26

Tgt Ion: 98 Resp: 634879  
 Ion Ratio Lower Upper  
 98 100  
 100 69.8 55.4 83.0



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: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061787.D

Acq: 12 Apr 2019 19:26

Instrument :

MSVOA\_D

ClientSampleId :

TP-11-D2RE

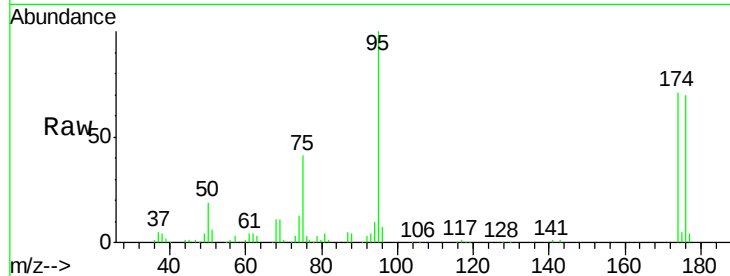
Tot Ion: 95 Resp: 199623

Ion Ratio Lower Upper

95 100

174 71.1 0.0 164.6

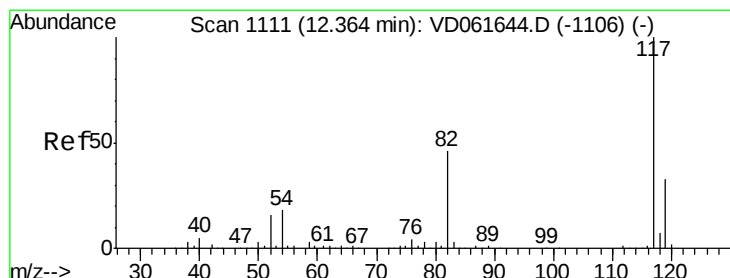
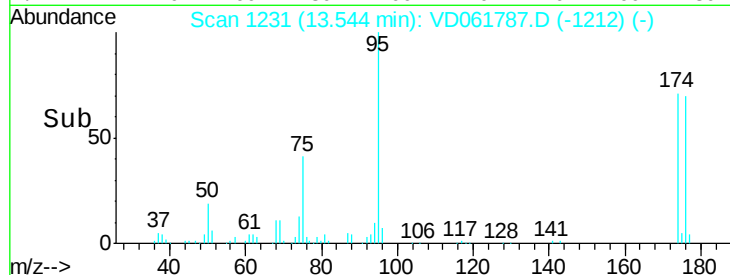
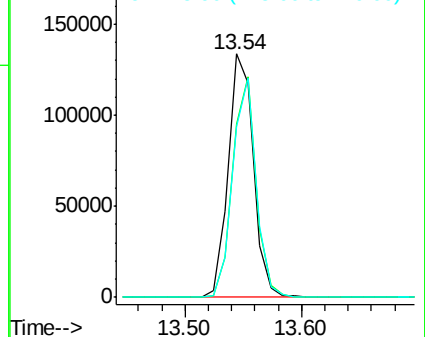
176 70.2 0.0 165.0



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: 12.35 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD061787.D

Acq: 12 Apr 2019 19:26

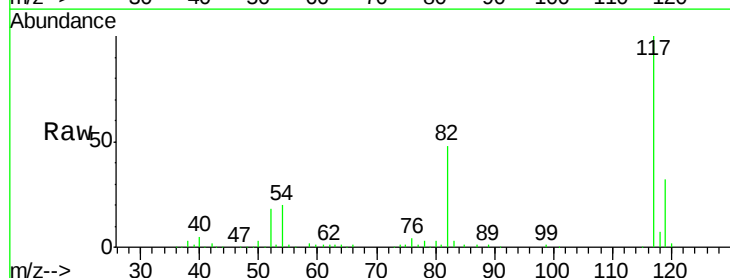
Tgt Ion: 117 Resp: 537361

Ion Ratio Lower Upper

117 100

82 48.5 36.8 55.2

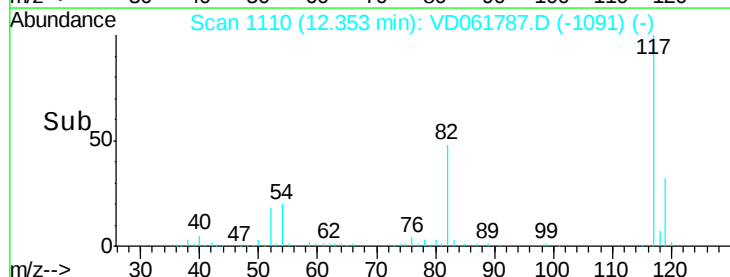
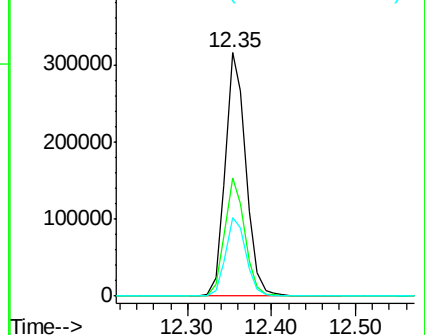
119 32.0 26.1 39.1

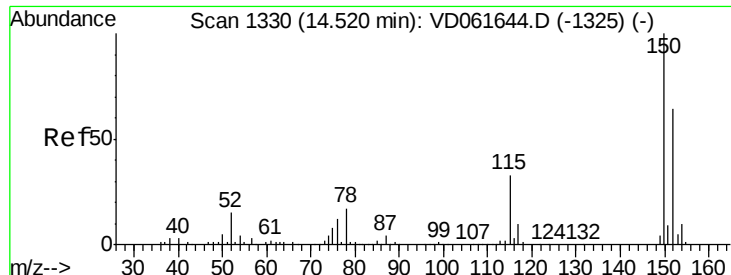


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



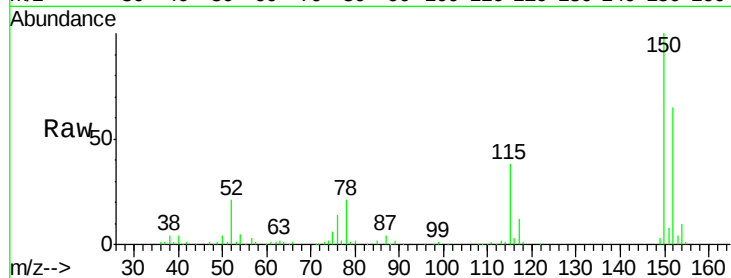


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.51 min Scan# 1329  
Delta R.T. -0.01 min  
Lab File: VD061787.D  
Acq: 12 Apr 2019 19:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-11-D2RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.9  | 26.4  | 79.2  |
| 150     | 154.8 | 0.0   | 320.6 |



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

