

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101118\  
 Data File : VW006016.D  
 Acq On : 11 Oct 2018 05:01  
 Operator : SY/AP  
 Sample : J5287-16RE  
 Misc : 6.68G/5ML/MSVOA W/SOIL  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TRACK-D-8RE

Quant Time: Oct 11 06:58:51 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W100818S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 09 02:14:04 2018  
 Response via : Initial Calibration

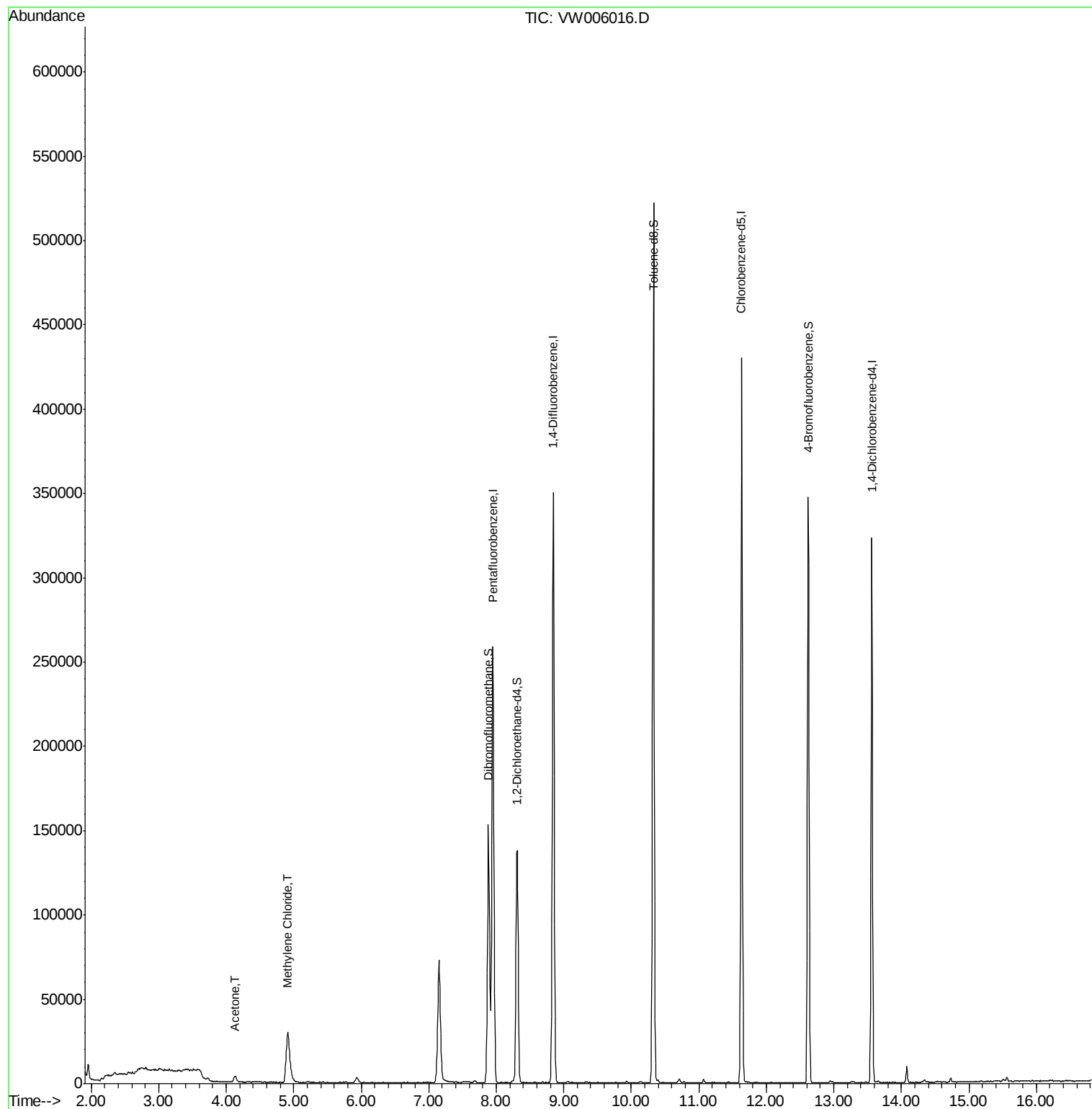
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 208709   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 312460   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 243146   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 89323    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 108627   | 53.61  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.22% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 106119   | 53.19  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.38% |          |
| 50) Toluene-d8              | 10.33 | 98   | 353409   | 46.04  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.08%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 101843   | 34.88  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 69.76%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.14  | 43   | 6769     | 16.726 | ug/l    | 99       |
| 20) Methylene Chloride      | 4.91  | 84   | 28129    | 13.873 | ug/l    | 93       |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W100818S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 09 02:14:04 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006016.D

Acq: 11 Oct 2018 05:01

Instrument :

MSVOA\_W

ClientSampleId :

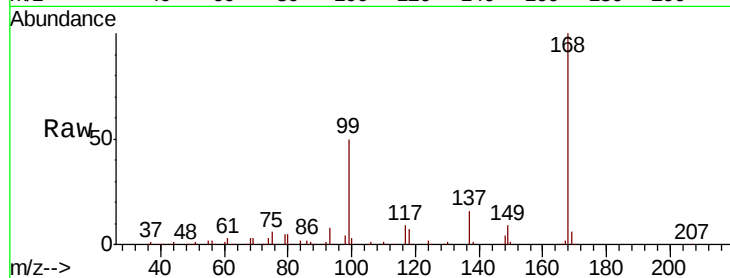
TRACK-D-8RE

Tot Ion:168 Resp: 208709

Ion Ratio Lower Upper

168 100

99 50.1 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

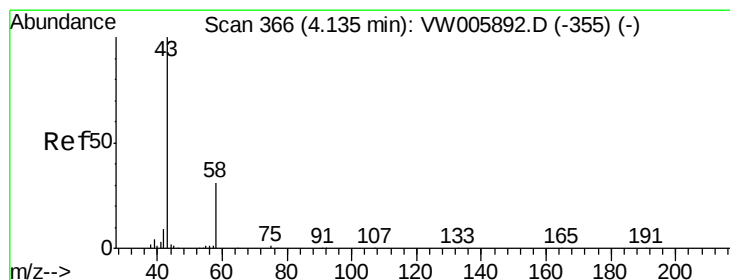
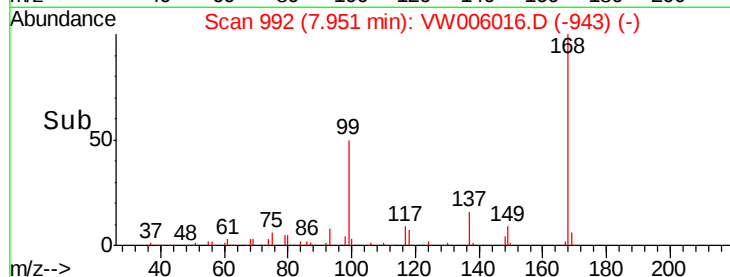
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 16.726 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW006016.D

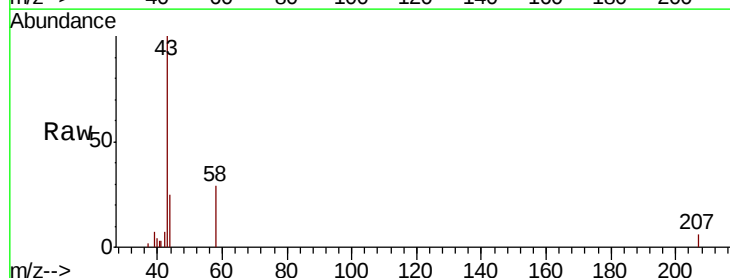
Acq: 11 Oct 2018 05:01

Tgt Ion: 43 Resp: 6769

Ion Ratio Lower Upper

43 100

58 30.2 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

2500

2000

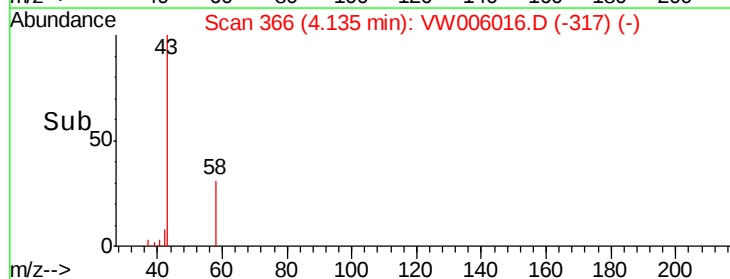
1500

1000

500

0

Time-->

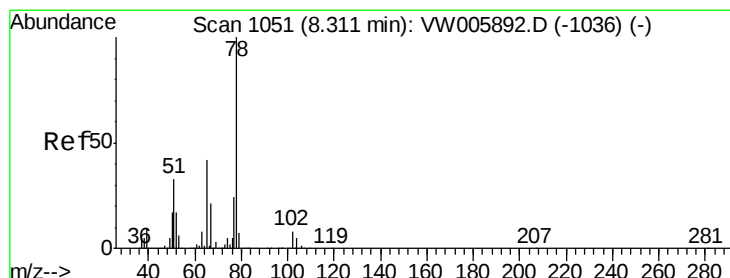
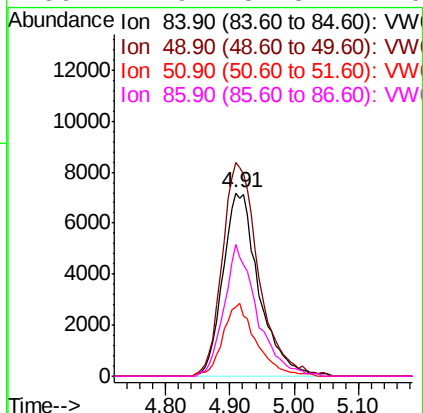
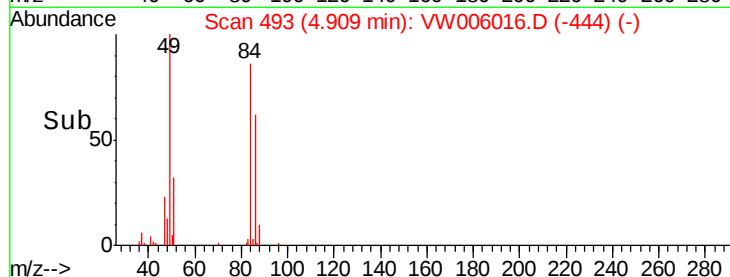
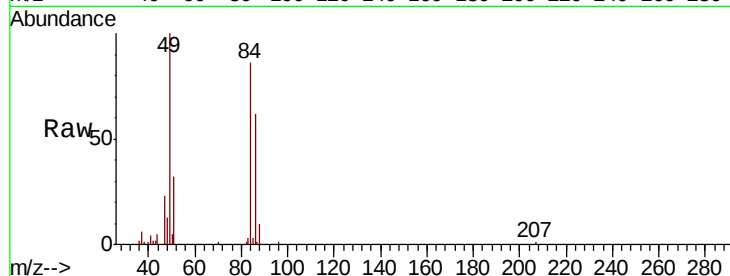




#20  
Methvlene Chloride  
Concen: 13.873 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.00 min  
Lab File: VW006016.D  
Acq: 11 Oct 2018 05:01

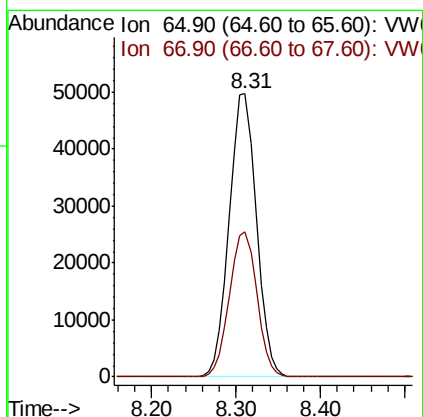
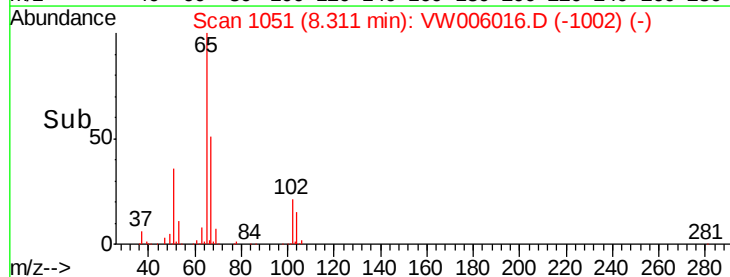
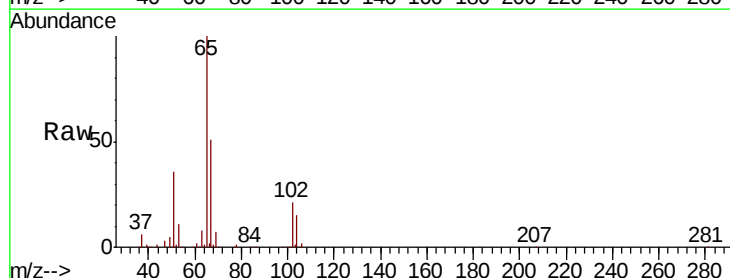
Instrument :  
MSVOA\_W  
ClientSampleId :  
TRACK-D-8RE

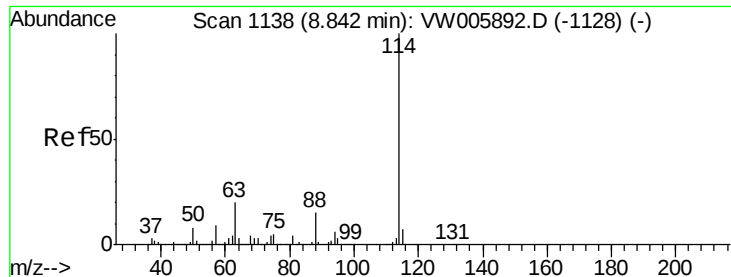
Tot Ion: 84 Resp: 28129  
Ion Ratio Lower Upper  
84 100  
49 116.6 99.9 149.9  
51 37.7 31.1 46.7  
86 71.9 51.8 77.6



#33  
1,2-Dichloroethane-d4  
Concen: 53.614 ug/l  
RT: 8.31 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: VW006016.D  
Acq: 11 Oct 2018 05:01

Tgt Ion: 65 Resp: 108627  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 104.6

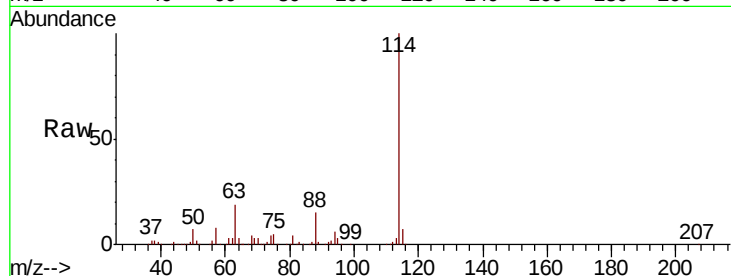




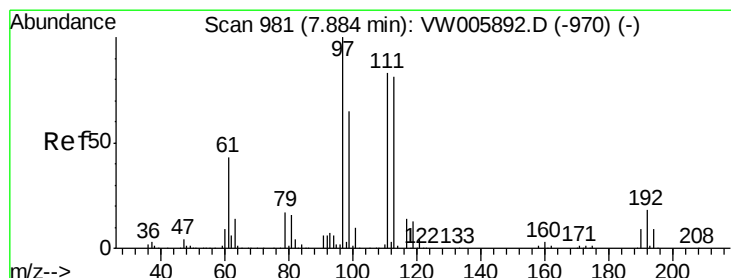
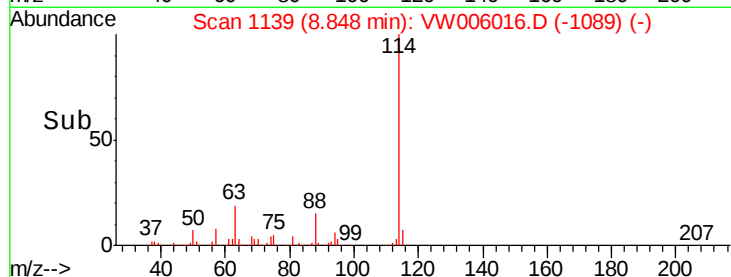
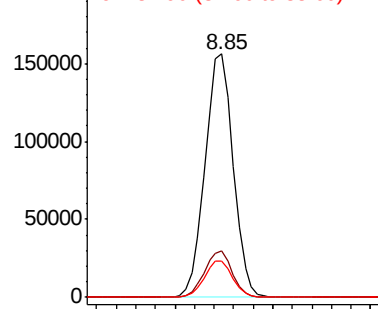
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.01 min  
 Lab File: VW006016.D  
 Acq: 11 Oct 2018 05:01

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TRACK-D-8RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.9  | 0.0   | 39.2  |
| 88      | 15.0  | 0.0   | 30.8  |

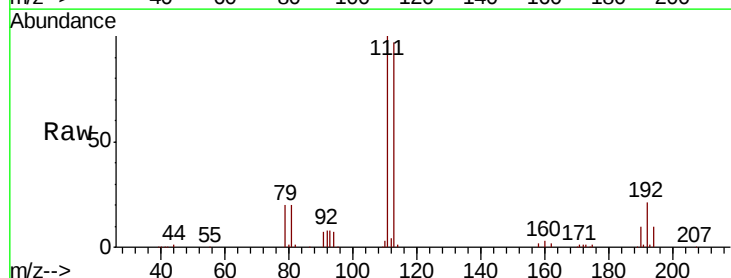


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

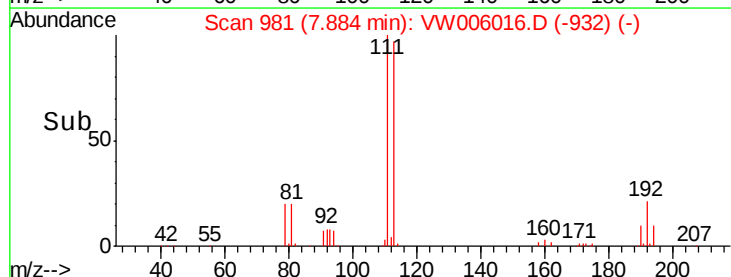
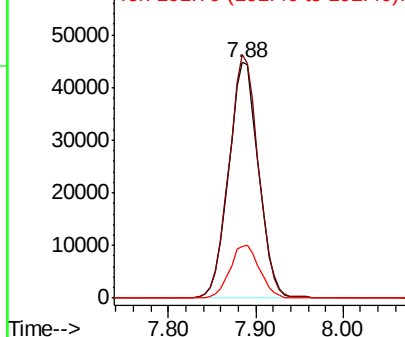


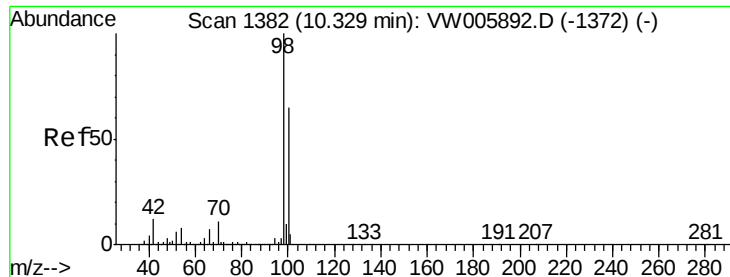
#35  
 Dibromofluoromethane  
 Concen: 53.195 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW006016.D  
 Acq: 11 Oct 2018 05:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.0 | 82.0  | 123.0 |
| 192     | 22.5  | 18.3  | 27.5  |



Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 46.045 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006016.D

Acq: 11 Oct 2018 05:01

Instrument :

MSVOA\_W

ClientSampleId :

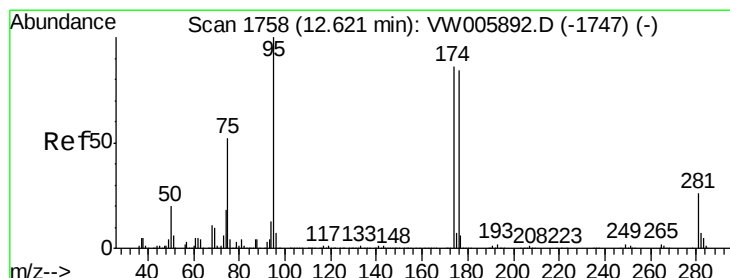
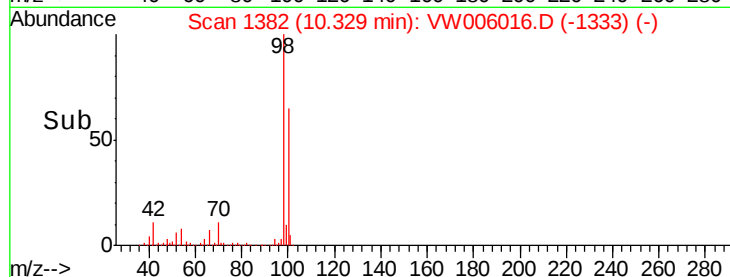
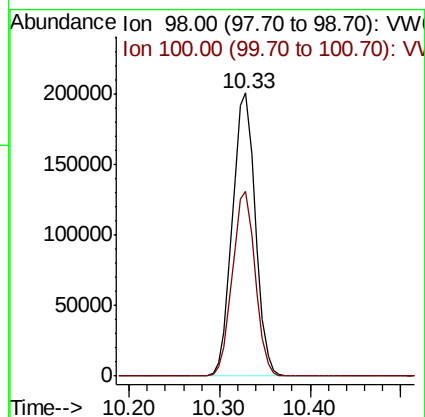
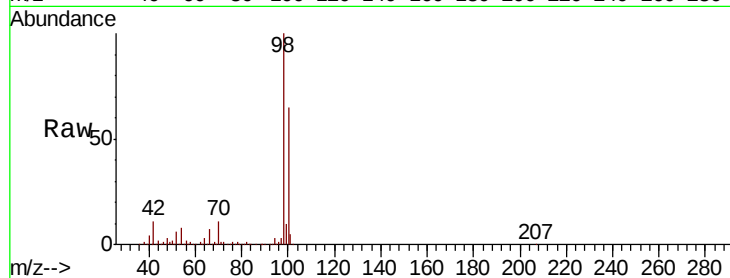
TRACK-D-8RE

Tot Ion: 98 Resp: 353409

Ion Ratio Lower Upper

98 100

100 64.9 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 34.876 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006016.D

Acq: 11 Oct 2018 05:01

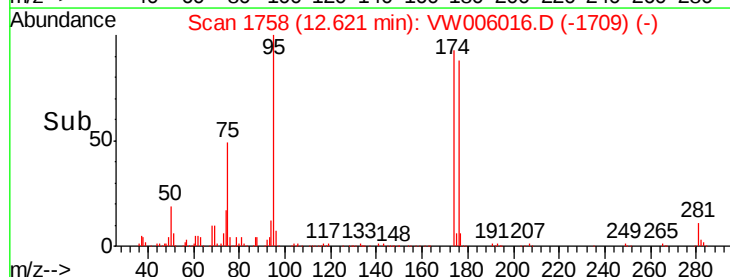
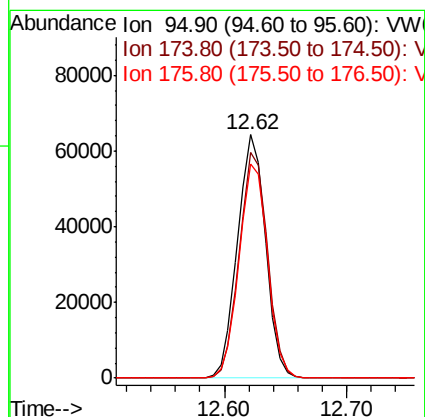
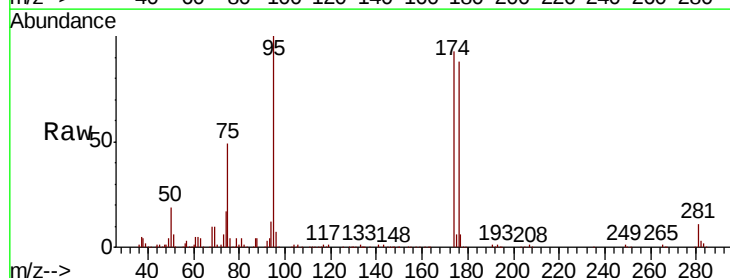
Tgt Ion: 95 Resp: 101843

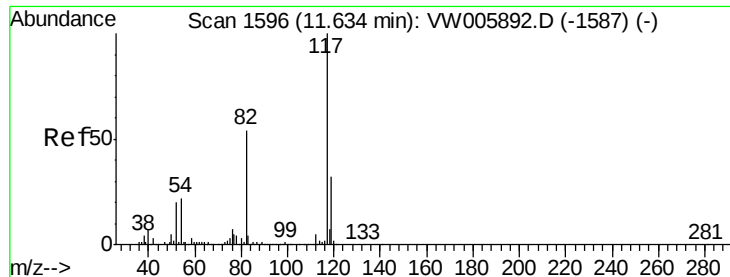
Ion Ratio Lower Upper

95 100

174 93.9 0.0 176.4

176 89.8 0.0 173.0

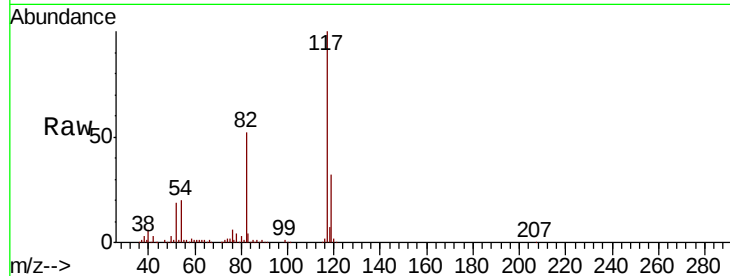




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW006016.D  
Acq: 11 Oct 2018 05:01

Instrument :  
MSVOA\_W  
ClientSampleId :  
TRACK-D-8RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.1  | 43.5  | 65.3  |
| 119     | 32.4  | 25.4  | 38.2  |

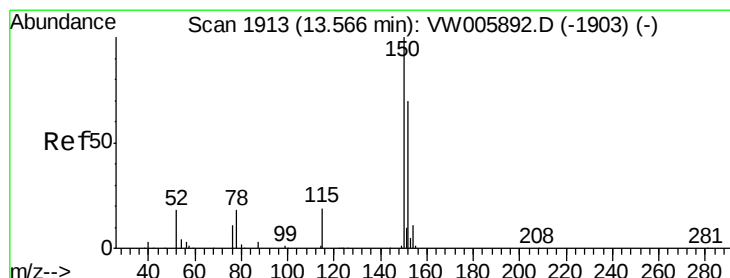
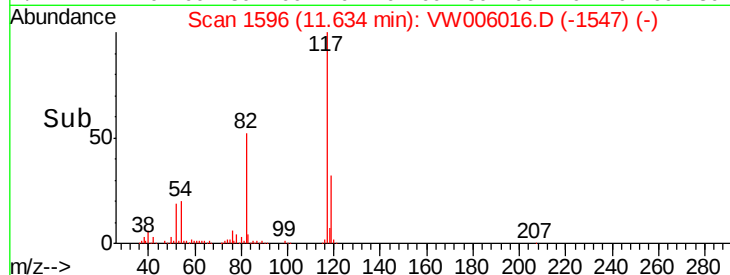
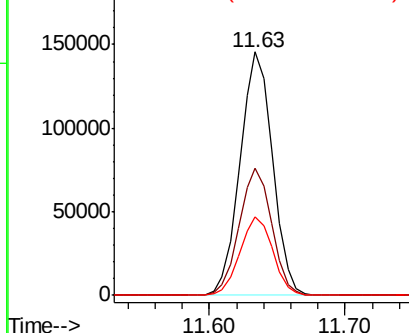


Abundance

Ion 116.90 (116.60 to 117.60): V

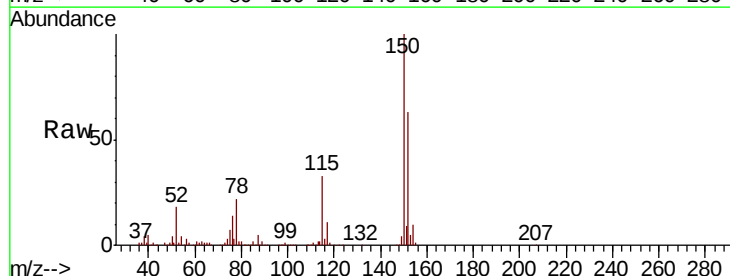
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. -0.00 min  
Lab File: VW006016.D  
Acq: 11 Oct 2018 05:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.8  | 28.3  | 85.0  |
| 150     | 157.5 | 0.0   | 349.2 |



Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

