

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\  
 Data File : VW007492.D  
 Acq On : 13 Dec 2018 16:54  
 Operator : SY/AP  
 Sample : J6329-01RE  
 Misc : 5.24G/5ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 071-PIPE-1RE

Quant Time: Dec 14 04:17:24 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 11 02:58:16 2018  
 Response via : Initial Calibration

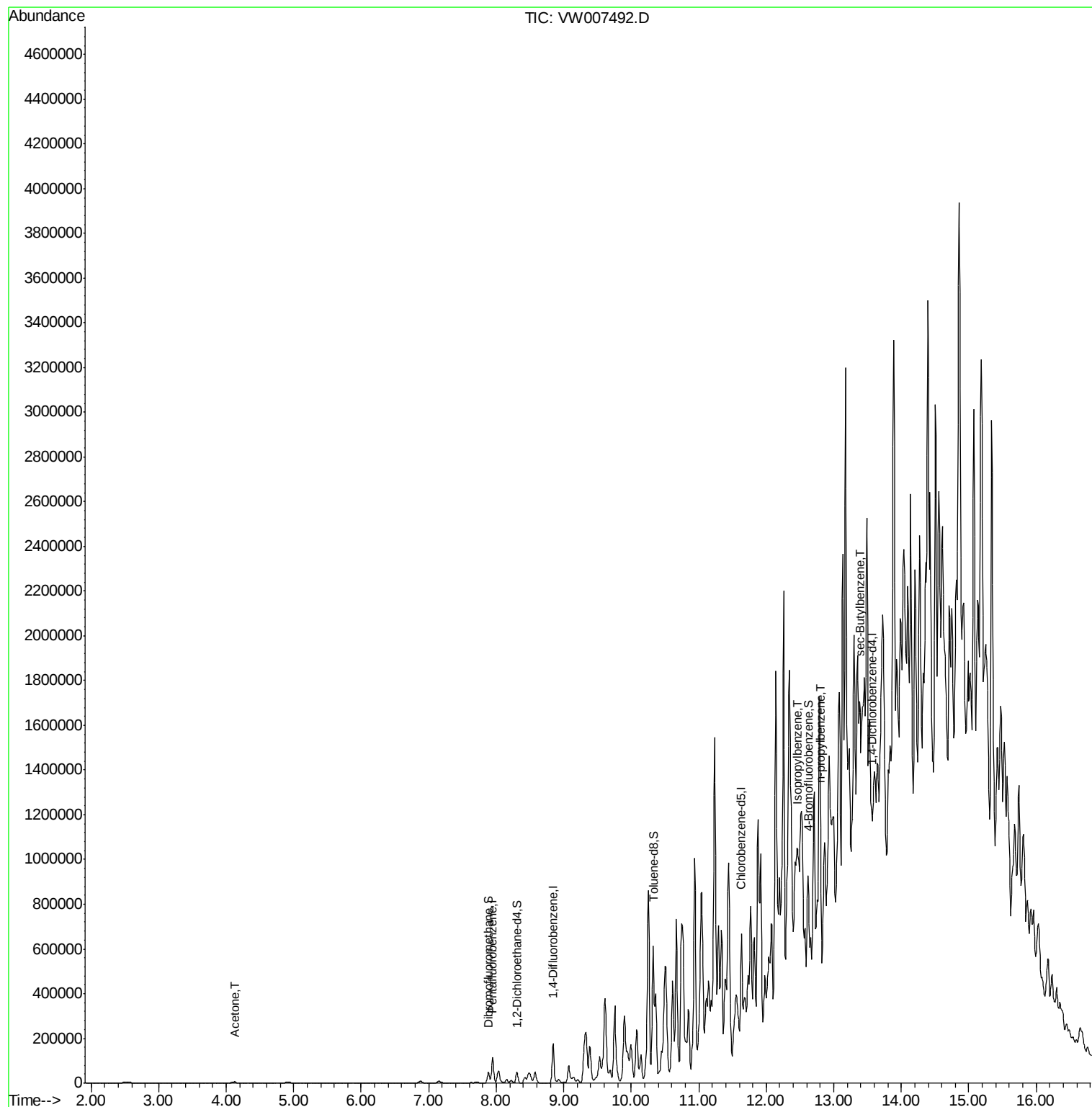
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 82956    | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 145770   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 105721   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 64960    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 38408    | 41.73  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 83.46%  |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 34848    | 39.49  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 78.98%  |          |
| 50) Toluene-d8              | 10.32 | 98   | 138928   | 41.99  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 83.98%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 130914   | 107.62 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 215.24% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 8321     | 51.762 | ug/l #  | 84       |
| 73) Isopropylbenzene        | 12.47 | 105  | 96504    | 19.388 | ug/l    | 99       |
| 78) n-propylbenzene         | 12.81 | 91   | 60744    | 10.844 | ug/l    | 88       |
| 85) sec-Butylbenzene        | 13.39 | 105  | 210785   | 41.899 | ug/l #  | 54       |

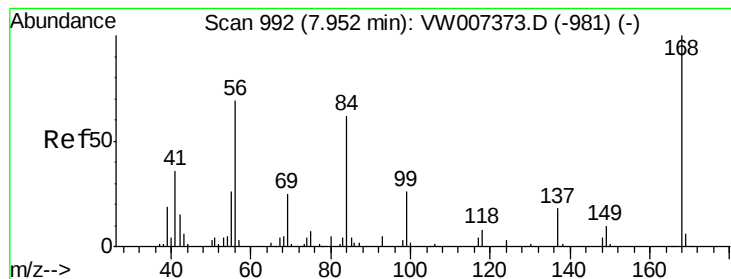
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121618\  
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Quant Title : SW846 8260  
QLast Update : Tue Dec 11 02:58:16 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA\_W

ClientSampleId :

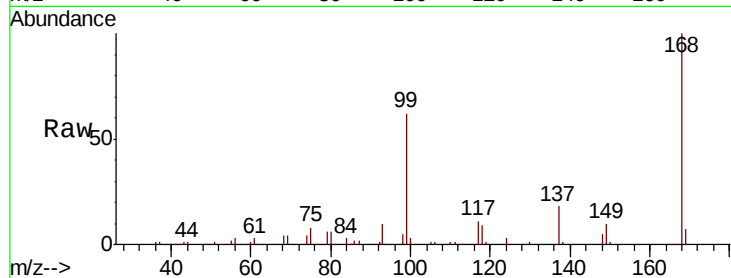
071-PIPE-1RE

Tot Ion:168 Resp: 82956

Ion Ratio Lower Upper

168 100

99 62.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

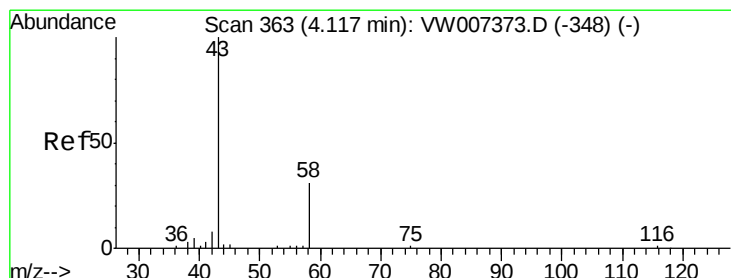
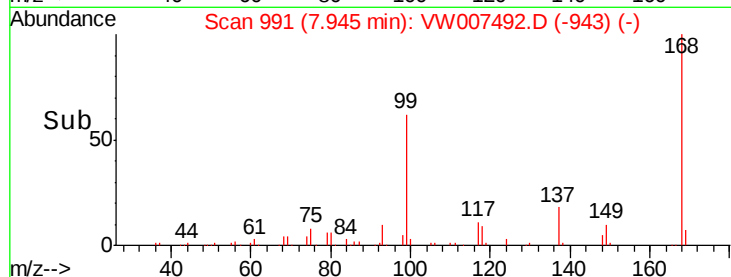
20000

10000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#16

Acetone

Concen: 51.762 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007492.D

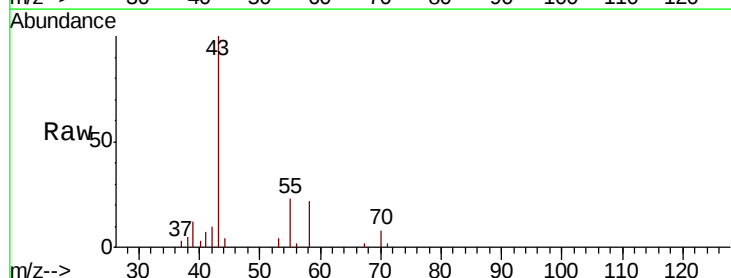
Acq: 13 Dec 2018 16:54

Tgt Ion: 43 Resp: 8321

Ion Ratio Lower Upper

43 100

58 22.5 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

3000

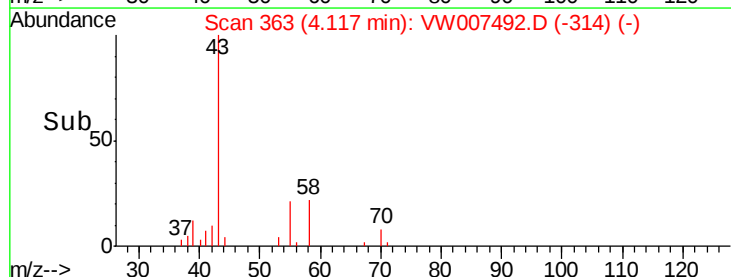
2000

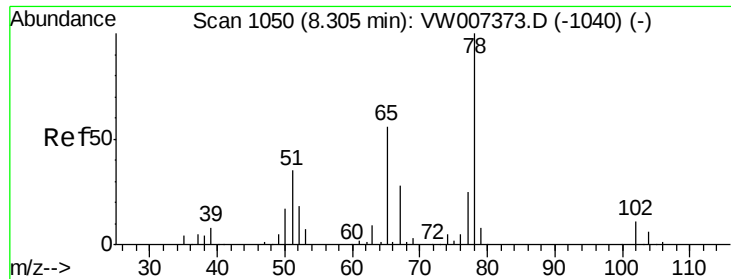
1000

0

Time-->

4.00 4.10 4.20

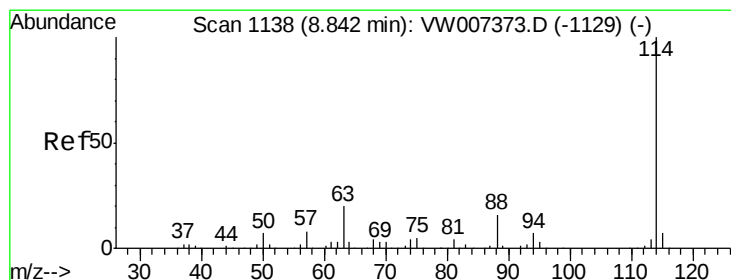
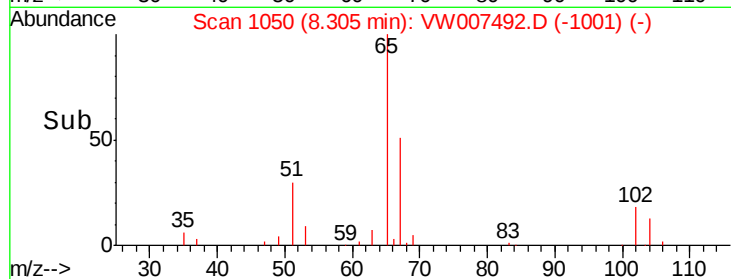
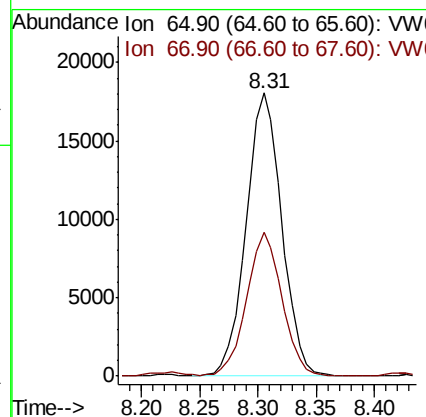
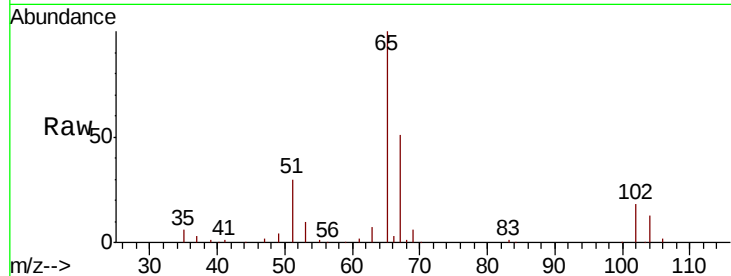




#33  
 1,2-Dichloroethane-d4  
 Concen: 41.733 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW007492.D  
 Acq: 13 Dec 2018 16:54

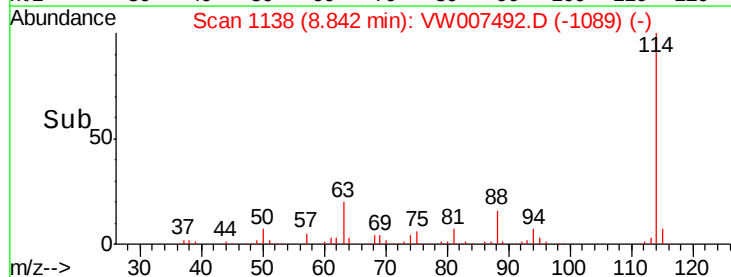
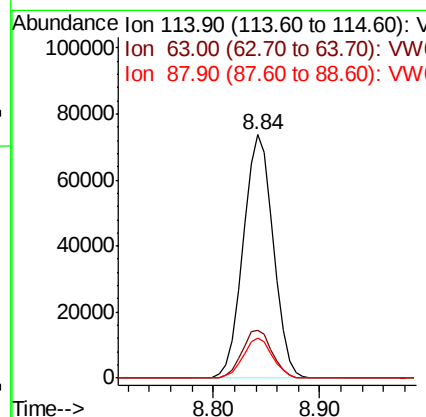
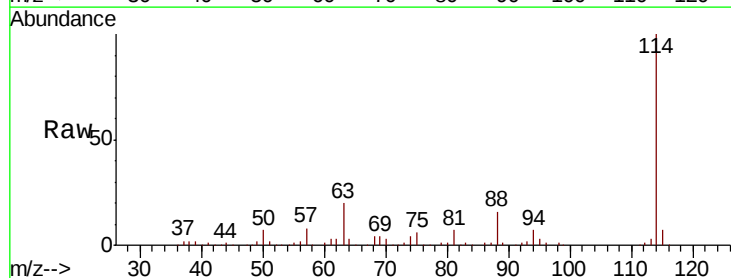
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 071-PIPE-1RE

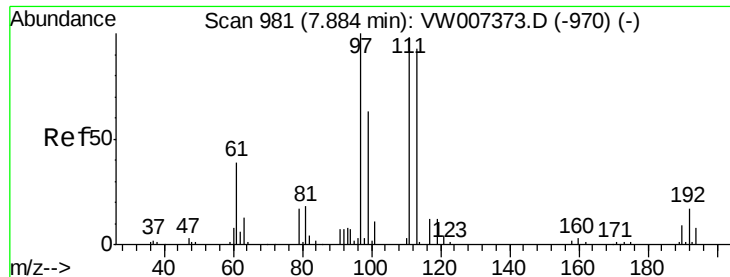
Tot Ion: 65 Resp: 38408  
 Ion Ratio Lower Upper  
 65 100  
 67 50.6 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW007492.D  
 Acq: 13 Dec 2018 16:54

Tgt Ion: 114 Resp: 145770  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 39.6  
 88 16.4 0.0 31.4

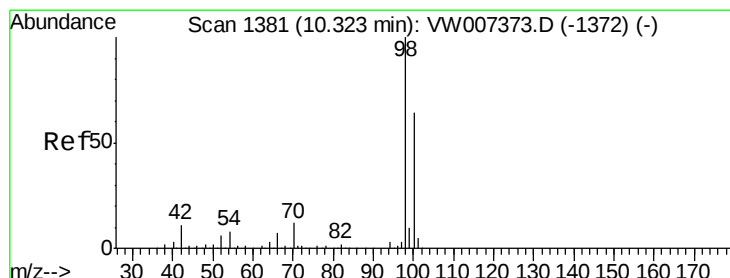
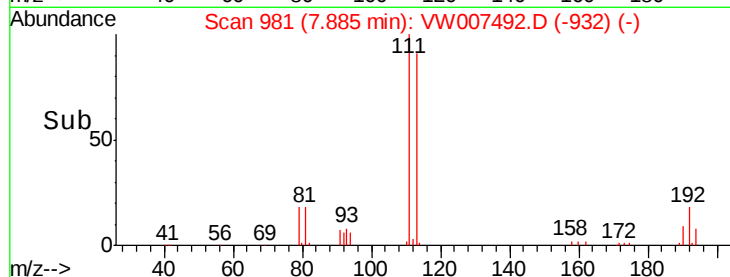
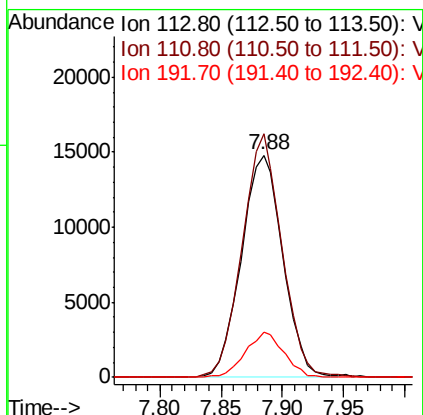
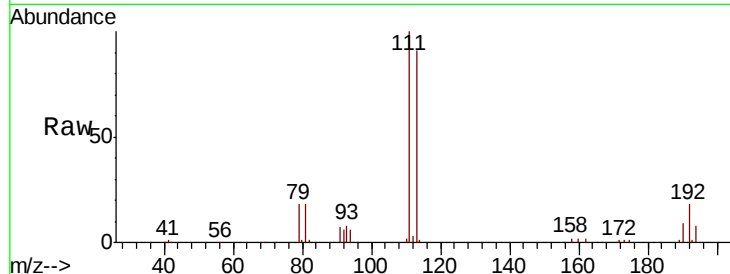




#35  
 Dibromofluoromethane  
 Concen: 39.492 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW007492.D  
 Acq: 13 Dec 2018 16:54

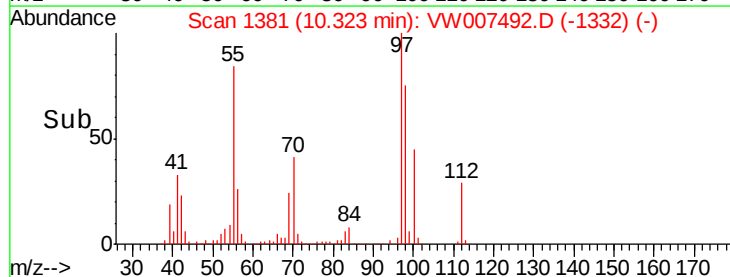
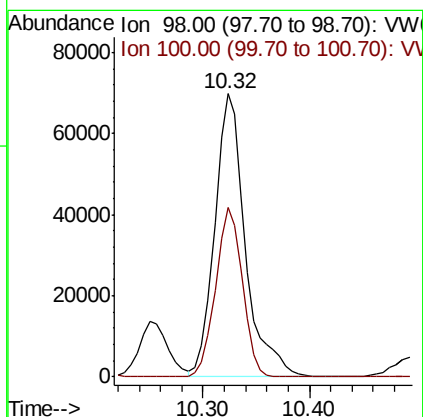
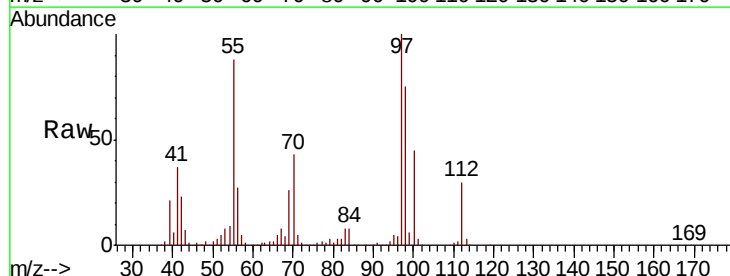
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 071-PIPE-1RE

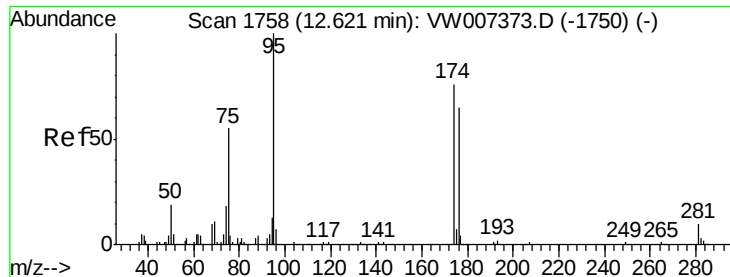
Tot Ion:113 Resp: 34848  
 Ion Ratio Lower Upper  
 113 100  
 111 104.7 81.1 121.7  
 192 18.8 14.6 21.8



#50  
 Toluene-d8  
 Concen: 41.991 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW007492.D  
 Acq: 13 Dec 2018 16:54

Tgt Ion: 98 Resp: 138928  
 Ion Ratio Lower Upper  
 98 100  
 100 52.3 51.8 77.8





#62

4-Bromofluorobenzene

Concen: 107.619 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA\_W

ClientSampleId :

071-PIPE-1RE

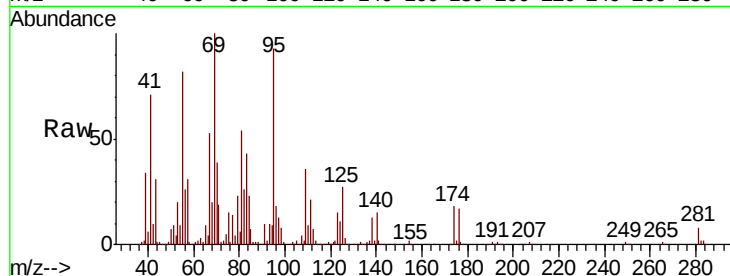
Tot Ion: 95 Resp: 130914

Ion Ratio Lower Upper

95 100

174 20.9 0.0 147.2

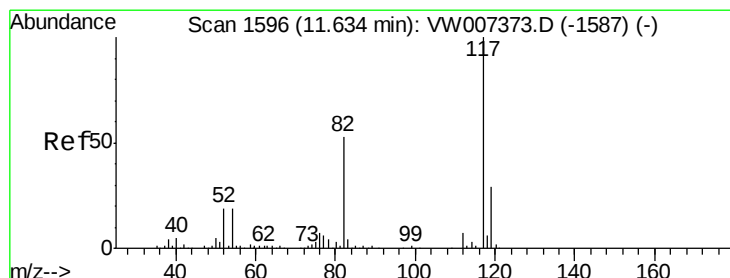
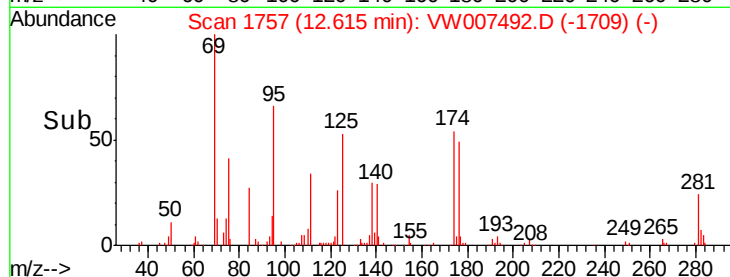
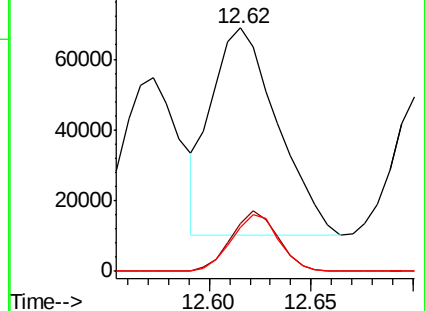
176 19.7 0.0 138.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

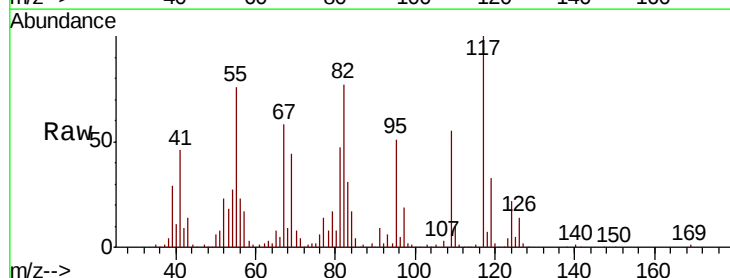
Tgt Ion: 117 Resp: 105721

Ion Ratio Lower Upper

117 100

82 57.9 42.3 63.5

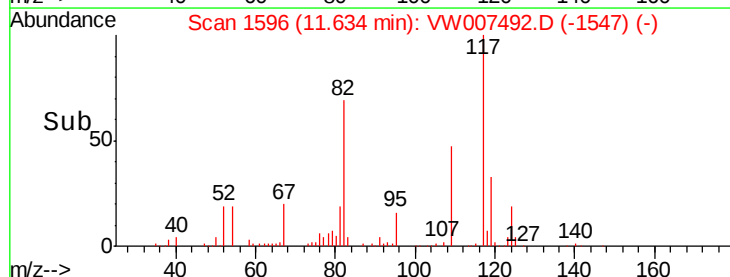
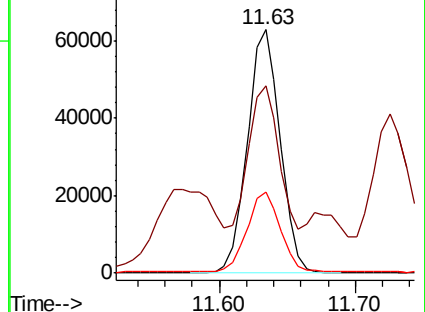
119 32.6 23.0 34.6

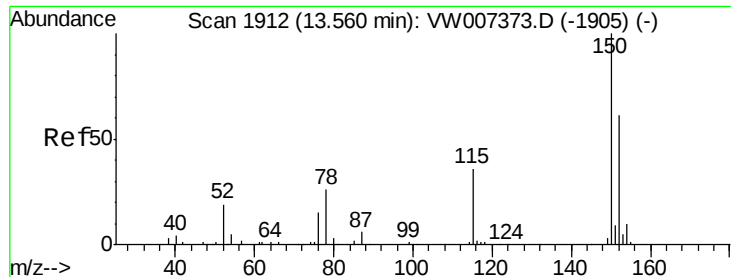


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007492.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA\_W

ClientSampleId :

071-PIPE-1RE

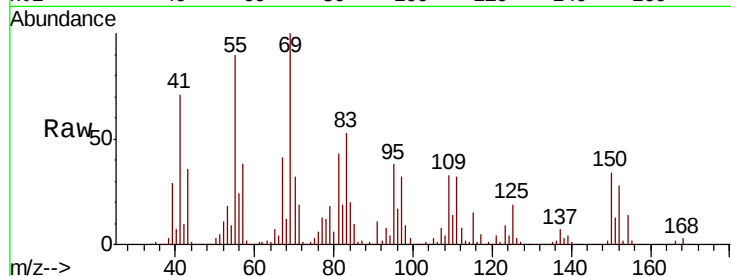
Tot Ion:152 Resp: 64960

Ion Ratio Lower Upper

152 100

115 35.9 31.4 94.2

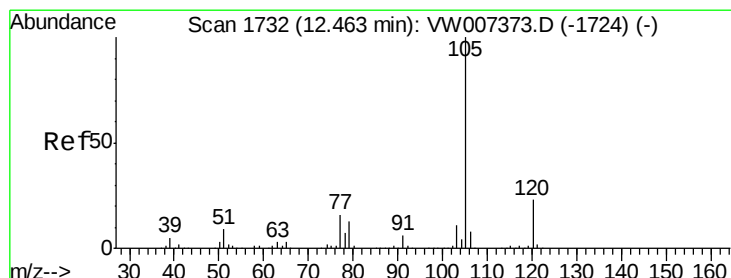
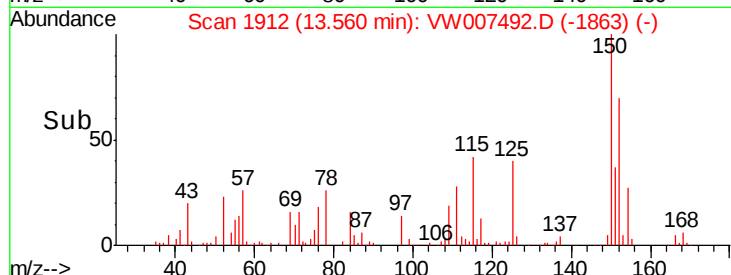
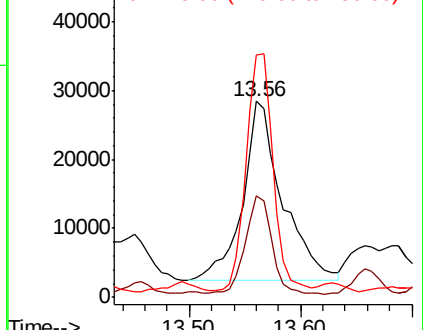
150 88.2 0.0 358.4



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



#73

Isopropylbenzene

Concen: 19.388 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007492.D

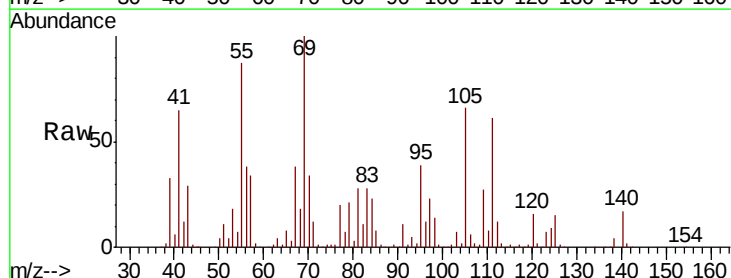
Acq: 13 Dec 2018 16:54

Tgt Ion:105 Resp: 96504

Ion Ratio Lower Upper

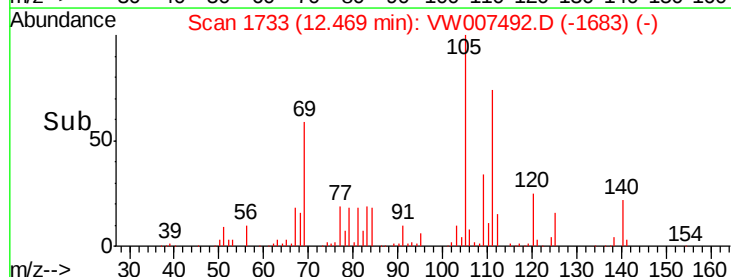
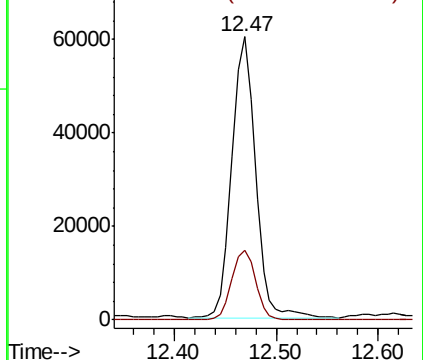
105 100

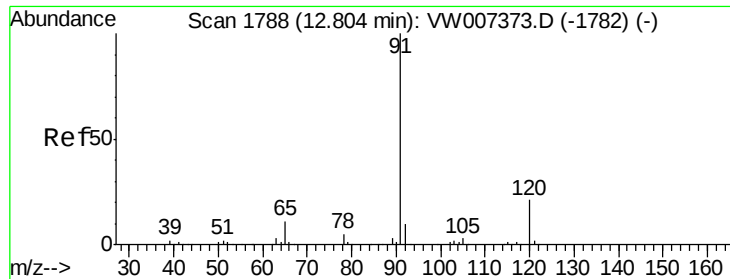
120 25.2 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

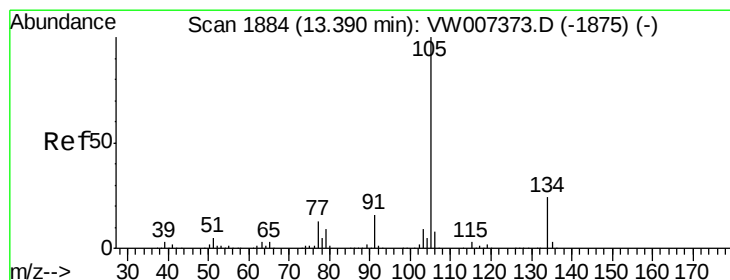
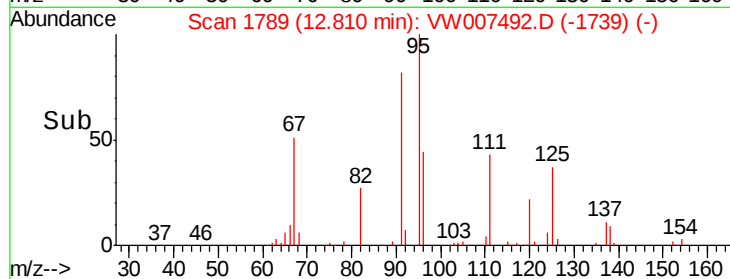
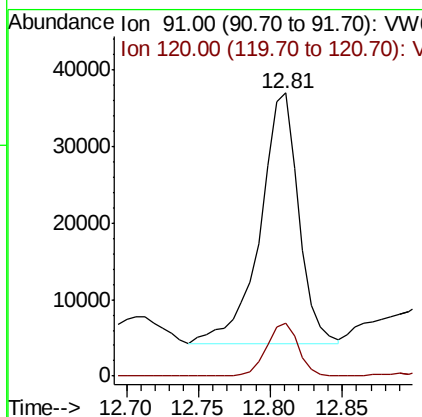
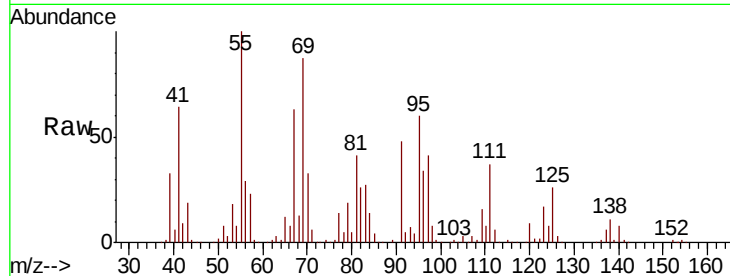




#78  
 n-propylbenzene  
 Concen: 10.844 ug/l  
 RT: 12.81 min Scan# 1789  
 Delta R.T. 0.01 min  
 Lab File: VW007492.D  
 Acq: 13 Dec 2018 16:54

Instrument :  
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 071-PIPE-1RE

Tot Ion: 91 Resp: 60744  
 Ion Ratio Lower Upper  
 91 100  
 120 17.7 11.9 35.5



#85  
 sec-Butylbenzene  
 Concen: 41.899 ug/l  
 RT: 13.39 min Scan# 1884  
 Delta R.T. 0.00 min  
 Lab File: VW007492.D  
 Acq: 13 Dec 2018 16:54

Tgt Ion: 105 Resp: 210785  
 Ion Ratio Lower Upper  
 105 100  
 134 44.3 11.1 33.3#

