

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW112618\  
 Data File : VW007041.D  
 Acq On : 26 Nov 2018 12:36  
 Operator : VAY/AP  
 Sample : J5999-04RE  
 Misc : 5.45G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SSSI-1115-S-AB-1RE

Quant Time: Nov 26 15:39:44 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 21 03:23:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.96  | 168  | 10800    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 16184    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 11308    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 2323     | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 4519     | 42.74 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 85.48% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 4501     | 49.25 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.50% |      |
| 50) Toluene-d8              | 10.33  | 98  | 16415    | 40.67 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 81.34% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 3807     | 23.97 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 47.94% |      |

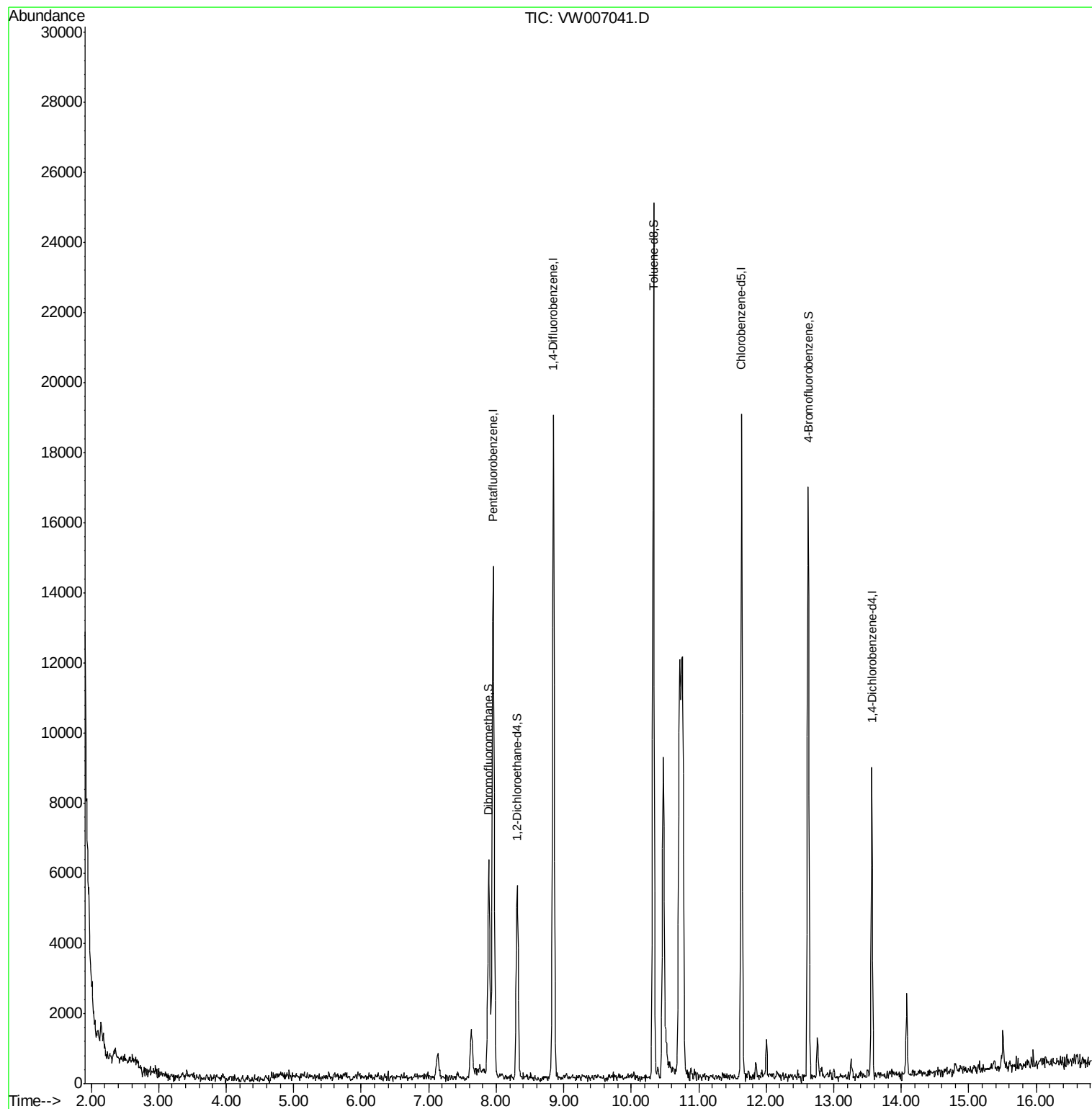
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

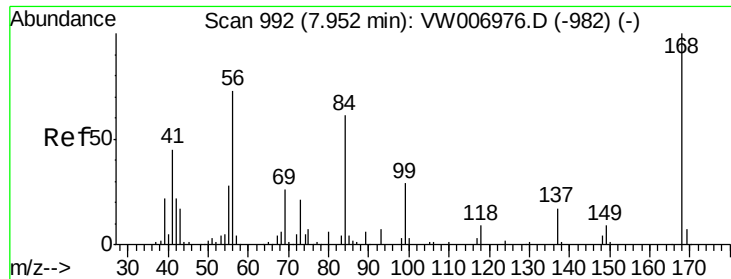
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SSSI-1115-S-AB-1RE

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 21 03:23:02 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007041.D

Acq: 26 Nov 2018 12:36

Instrument :

MSVOA\_W

ClientSampleId :

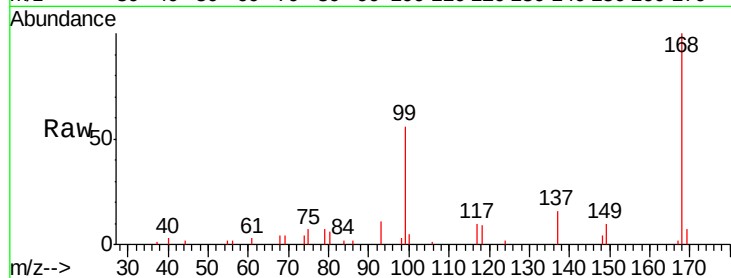
SSSI-1115-S-AB-1RE

Tgt Ion:168 Resp: 10800

Ion Ratio Lower Upper

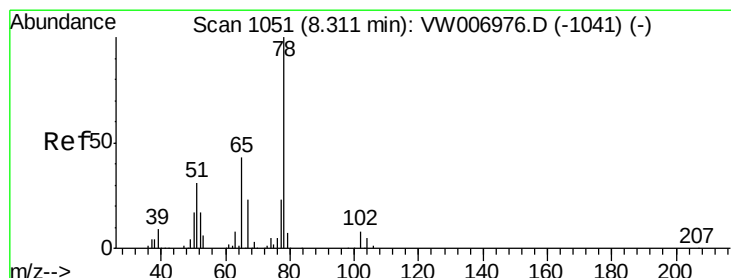
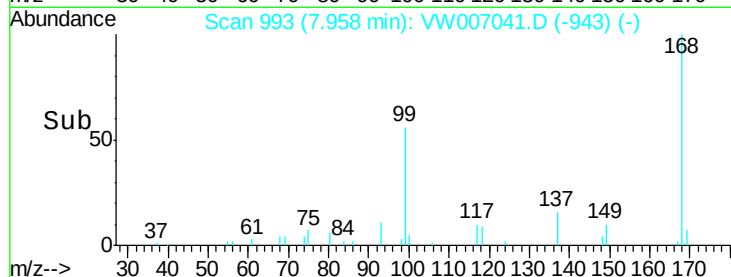
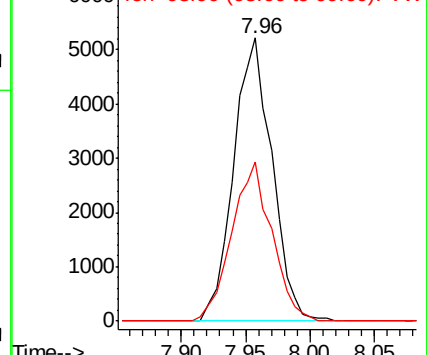
168 100

99 56.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#33

1,2-Dichloroethane-d4

Concen: 42.74 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW007041.D

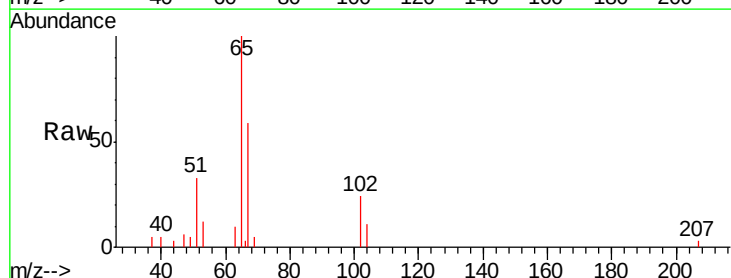
Acq: 26 Nov 2018 12:36

Tgt Ion: 65 Resp: 4519

Ion Ratio Lower Upper

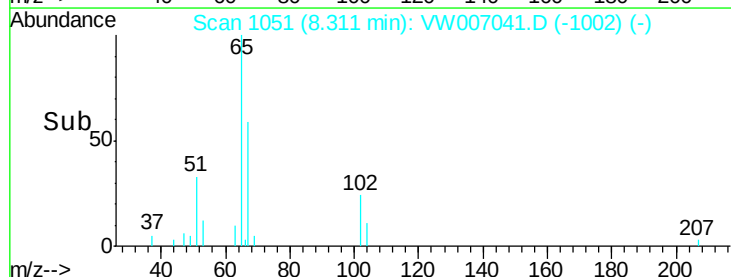
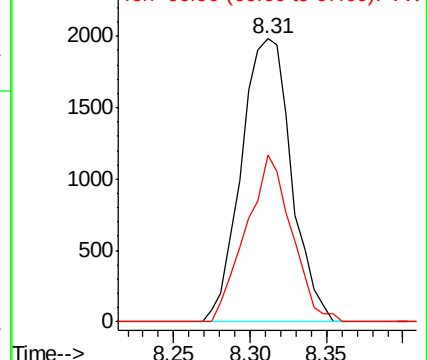
65 100

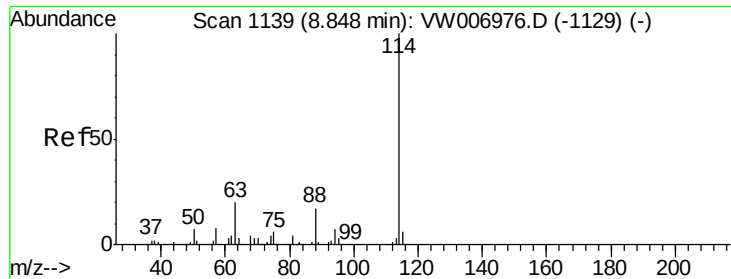
67 53.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

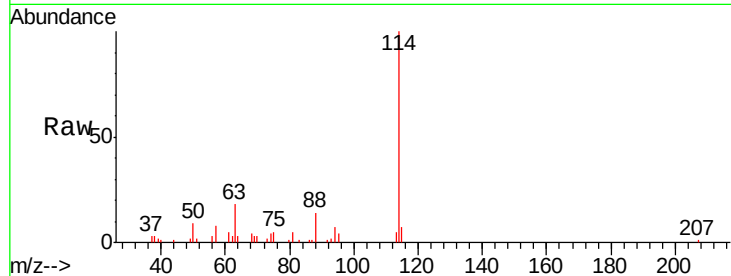




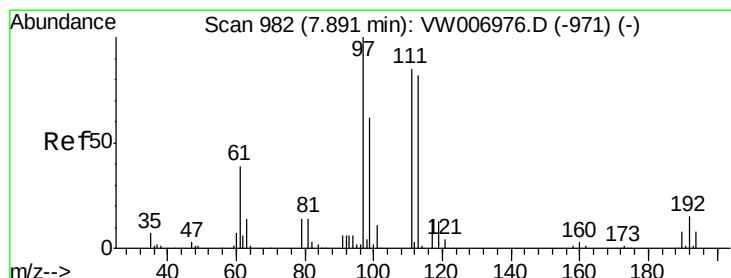
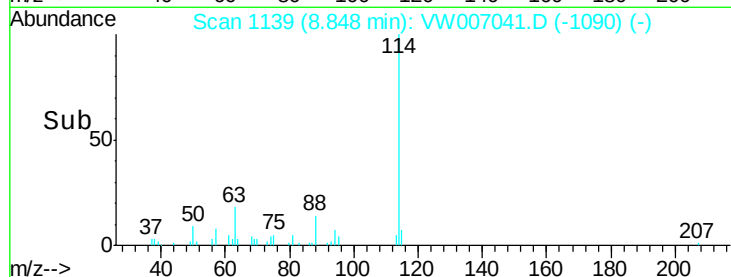
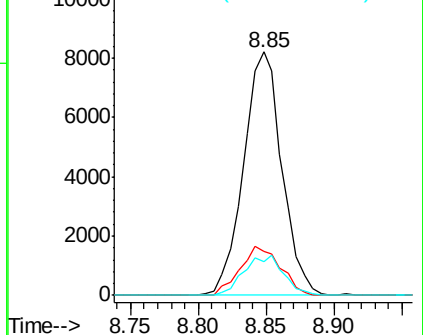
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.00 min  
 Lab File: VW007041.D  
 Acq: 26 Nov 2018 12:36

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SSSI-1115-S-AB-1RE

Tgt Ion:114 Resp: 16184  
 Ion Ratio Lower Upper  
 114 100  
 63 18.1 0.0 39.4  
 88 13.7 0.0 34.2

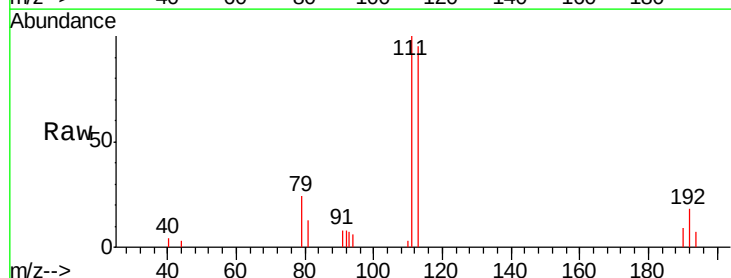


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

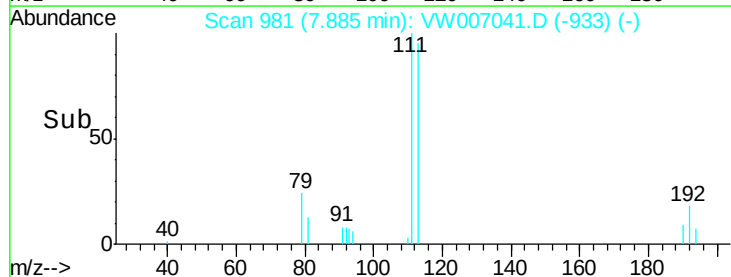
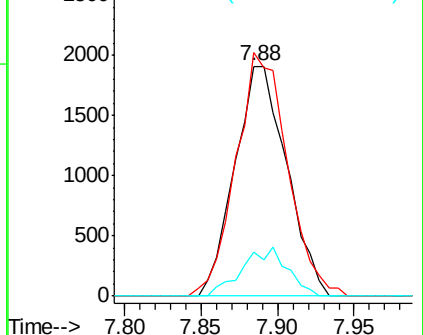


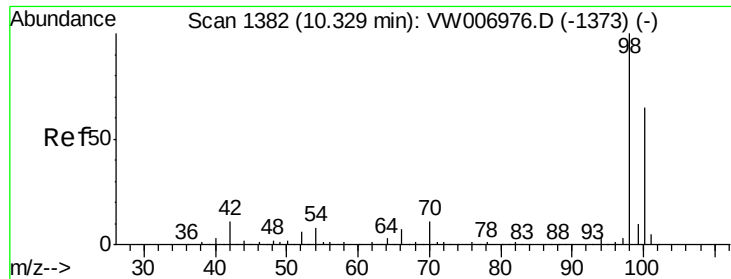
#35  
 Dibromofluoromethane  
 Concen: 49.25 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: VW007041.D  
 Acq: 26 Nov 2018 12:36

Tgt Ion:113 Resp: 4501  
 Ion Ratio Lower Upper  
 113 100  
 111 105.1 81.0 121.6  
 192 18.5 15.0 22.6



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: 40.67 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW007041.D

Acq: 26 Nov 2018 12:36

Instrument :

MSVOA\_W

ClientSampleId :

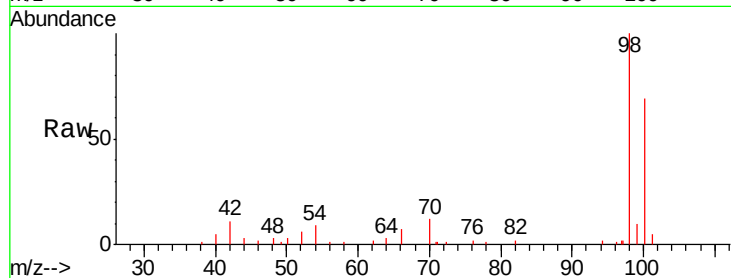
SSSI-1115-S-AB-1RE

Tgt Ion: 98 Resp: 16415

Ion Ratio Lower Upper

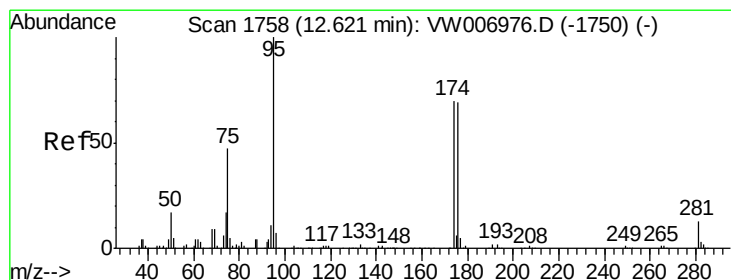
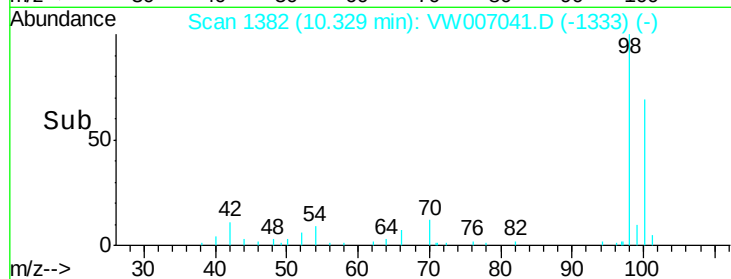
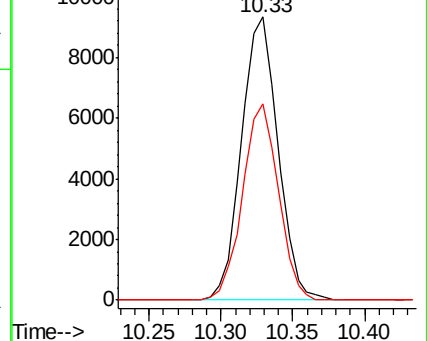
98 100

100 68.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 23.97 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007041.D

Acq: 26 Nov 2018 12:36

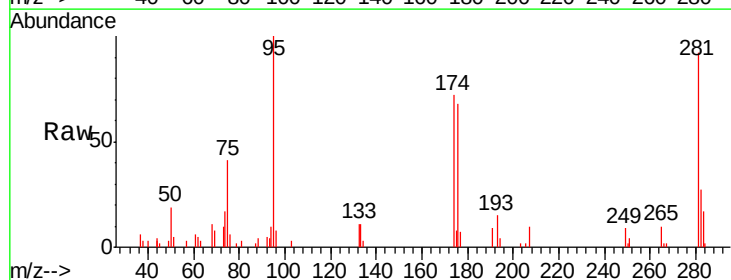
Tgt Ion: 95 Resp: 3807

Ion Ratio Lower Upper

95 100

174 74.4 0.0 143.6

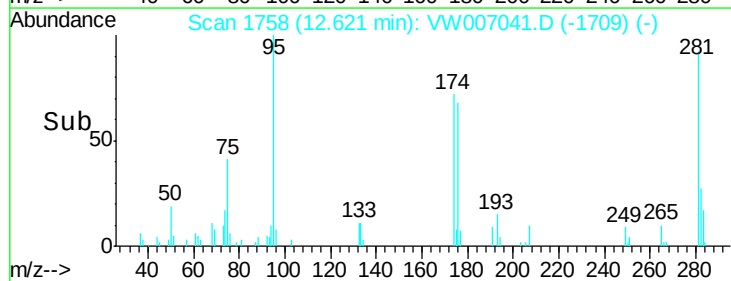
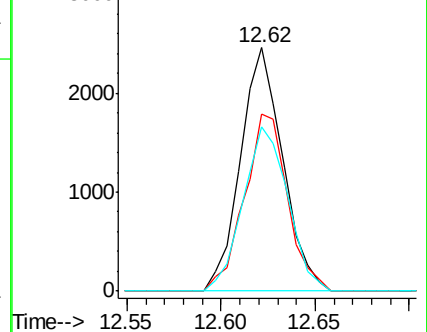
176 71.4 0.0 140.4

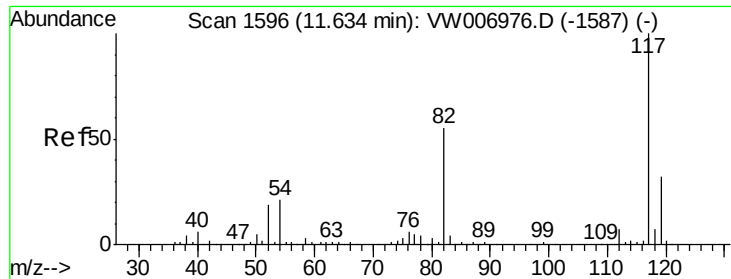


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

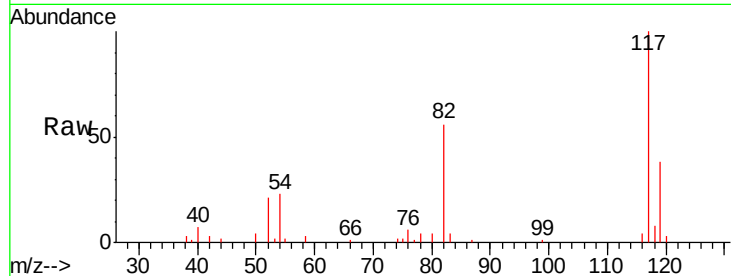




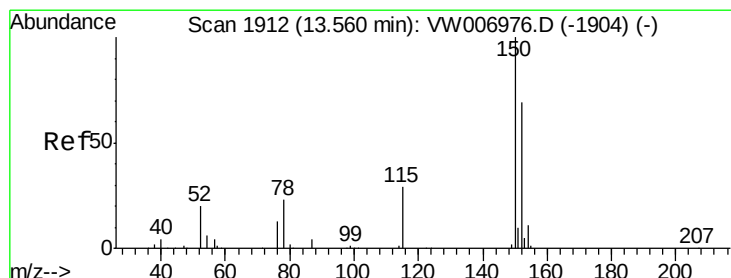
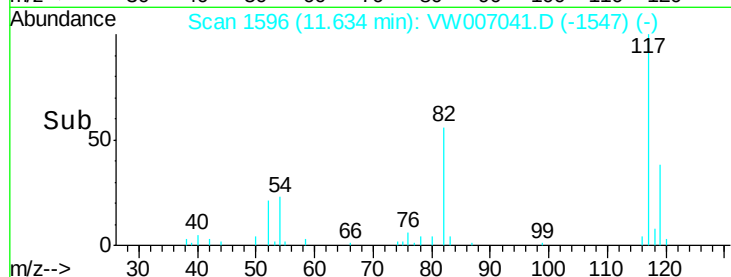
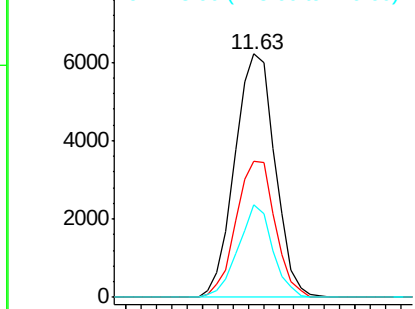
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW007041.D  
Acq: 26 Nov 2018 12:36

Instrument :  
MSVOA\_W  
ClientSampleId :  
SSSI-1115-S-AB-1RE

Tgt Ion:117 Resp: 11308  
Ion Ratio Lower Upper  
117 100  
82 56.2 44.2 66.2  
119 38.2 25.9 38.9

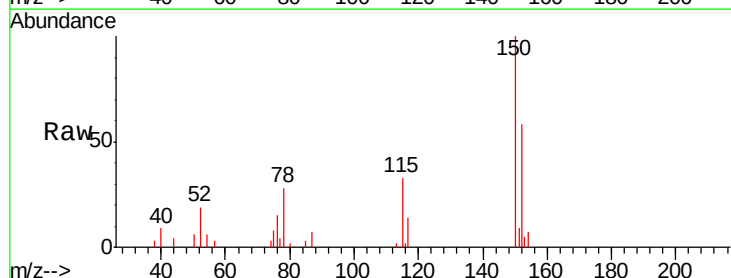


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VW  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW007041.D  
Acq: 26 Nov 2018 12:36

Tgt Ion:152 Resp: 2323  
Ion Ratio Lower Upper  
152 100  
115 64.9 31.4 94.2  
150 176.8 0.0 353.4



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

