

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW112618\  
 Data File : VW007068.D  
 Acq On : 27 Nov 2018 02:11  
 Operator : VAY/AP  
 Sample : J5774-05  
 Misc : 5.51G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SU-03-112118-A

Quant Time: Nov 27 07:35:38 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

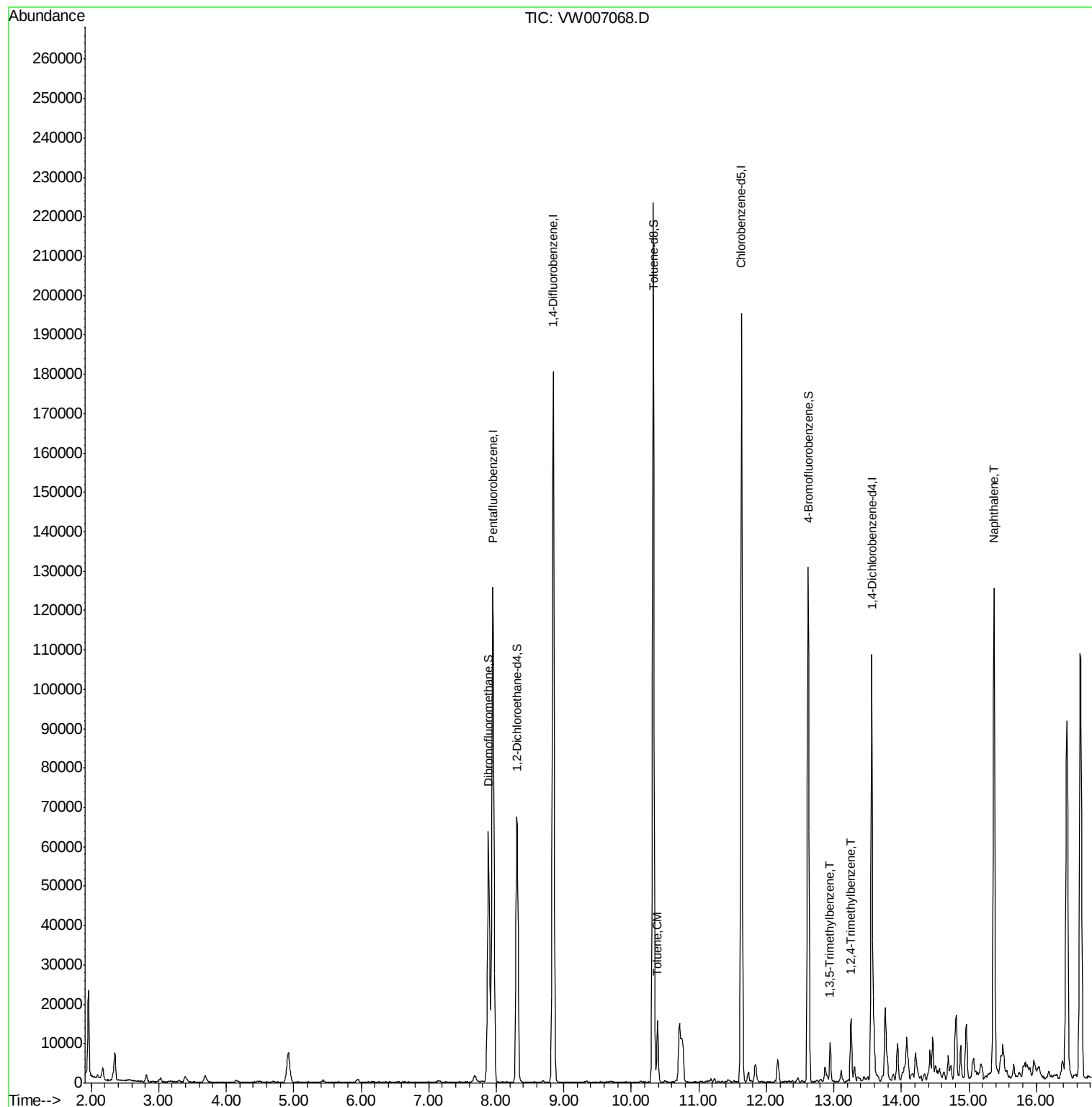
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 95055    | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 157808   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 109601   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 27928    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 54654    | 58.73  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 117.46% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 46299    | 51.95  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.90% |          |
| 50) Toluene-d8              | 10.32 | 98   | 151469   | 38.49  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 76.98%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 42916    | 27.71  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 55.42%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 52) Toluene                 | 10.39 | 92   | 7056     | 2.49   | ug/l    | 98       |
| 80) 1,3,5-Trimethylbenzene  | 12.94 | 105  | 5160     | 2.75   | ug/l    | 93       |
| 84) 1,2,4-Trimethylbenzene  | 13.25 | 105  | 8789     | 4.70   | ug/l    | 96       |
| 95) Naphthalene             | 15.38 | 128  | 110377   | 110.57 | ug/l    | 99       |

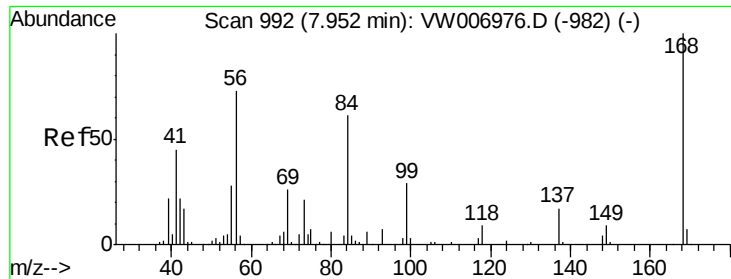
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112618\  
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Sample : J5774-05  
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MSVOA\_W  
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SU-03-112118-A

Quant Time: Nov 27 07:35:38 2018  
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: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007068.D

Acq: 27 Nov 2018 02:11

Instrument :

MSVOA\_W

ClientSampleId :

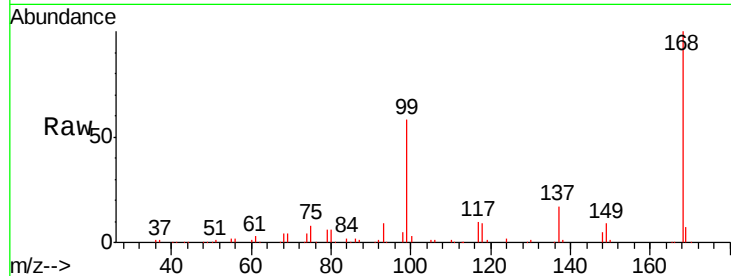
SU-03-112118-A

Tgt Ion:168 Resp: 95055

Ion Ratio Lower Upper

168 100

99 58.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

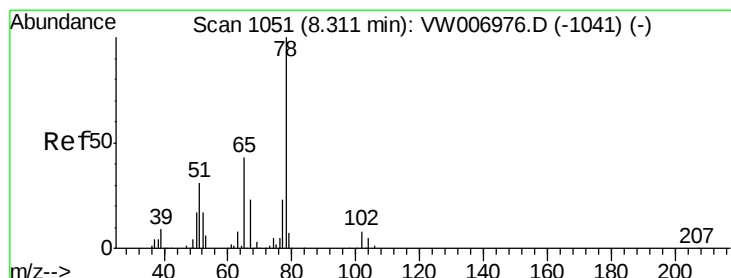
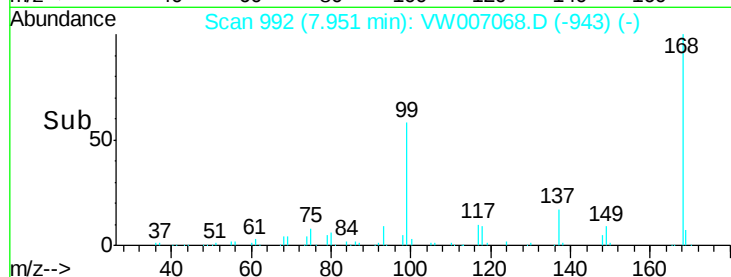
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#33

1,2-Dichloroethane-d4

Concen: 58.73 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW007068.D

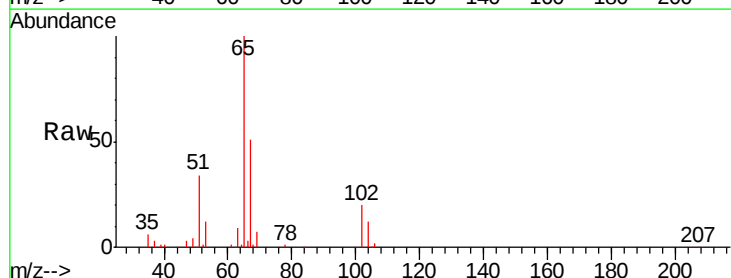
Acq: 27 Nov 2018 02:11

Tgt Ion: 65 Resp: 54654

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

25000

20000

15000

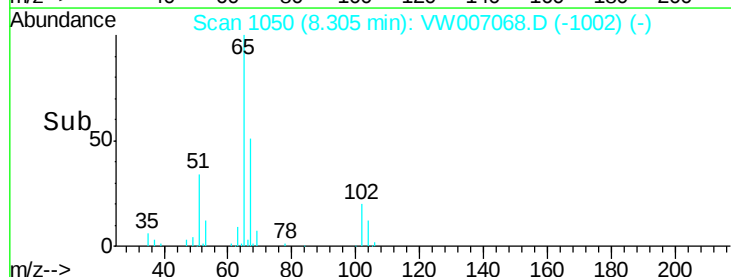
10000

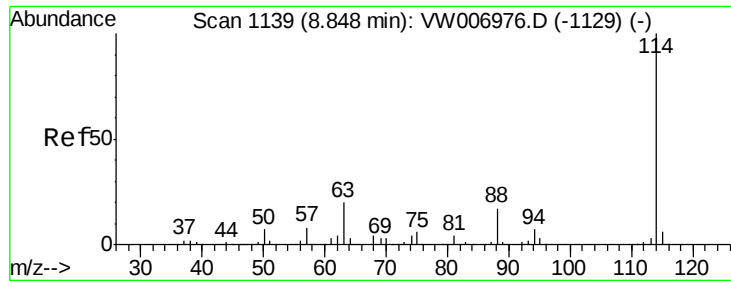
5000

0

8.20 8.25 8.30 8.35 8.40

Time-->

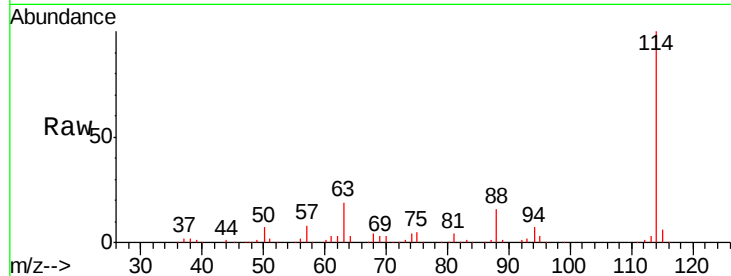




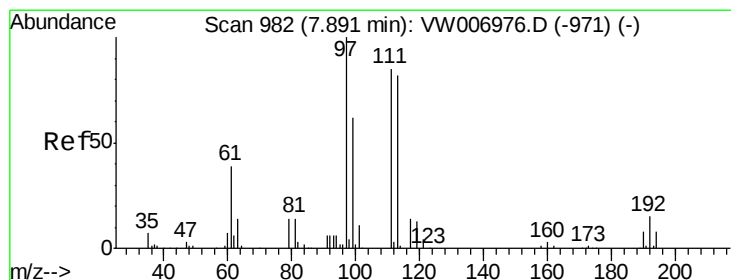
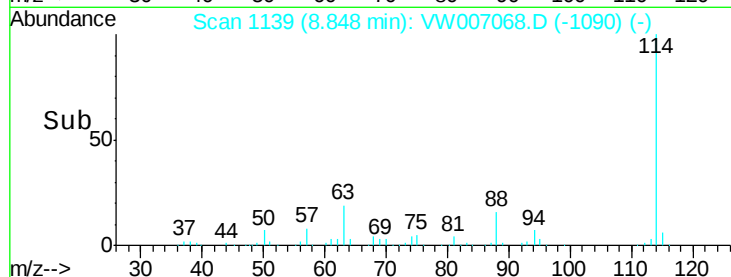
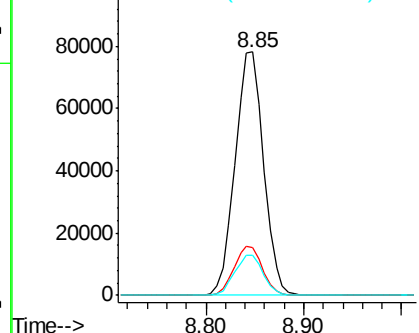
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW007068.D  
 Acq: 27 Nov 2018 02:11

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SU-03-112118-A

Tgt Ion:114 Resp: 157808  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 39.4  
 88 16.4 0.0 34.2

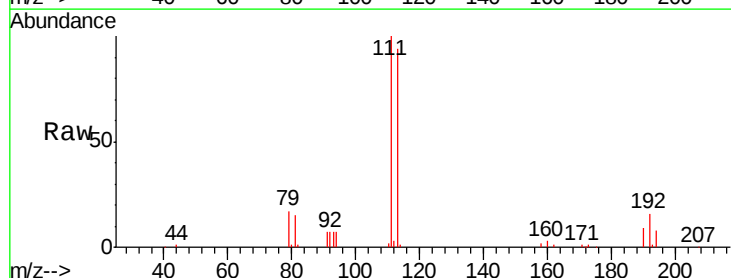


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

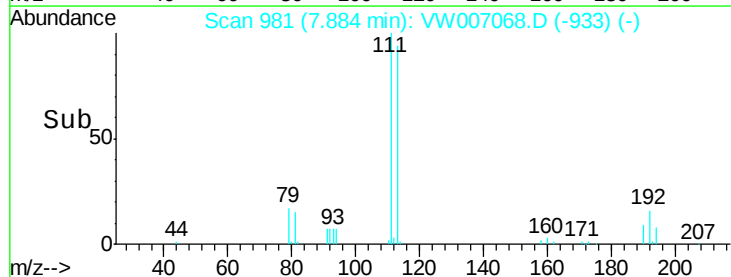
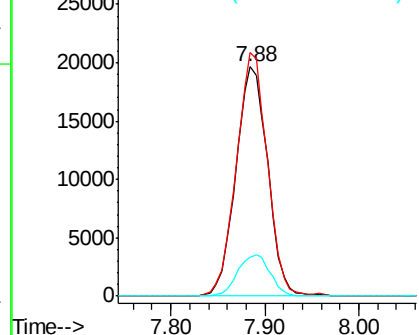


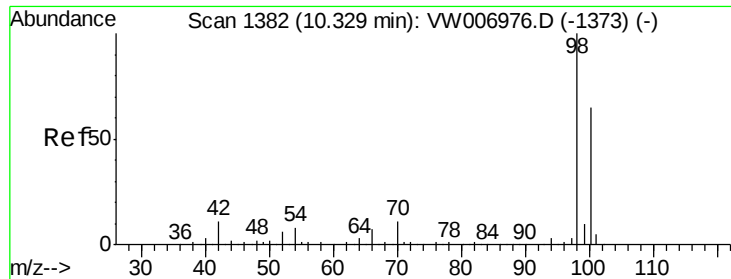
#35  
 Dibromofluoromethane  
 Concen: 51.95 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: VW007068.D  
 Acq: 27 Nov 2018 02:11

Tgt Ion:113 Resp: 46299  
 Ion Ratio Lower Upper  
 113 100  
 111 103.3 81.0 121.6  
 192 18.4 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: 38.49 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007068.D

Acq: 27 Nov 2018 02:11

Instrument :

MSVOA\_W

ClientSampleId :

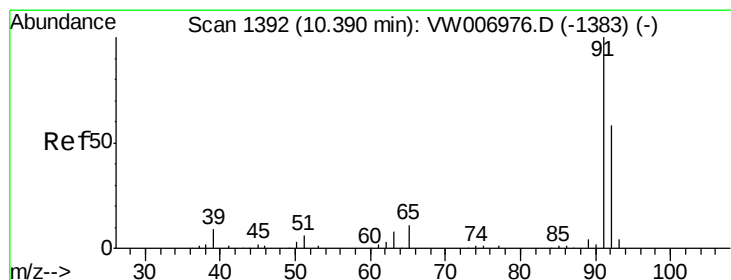
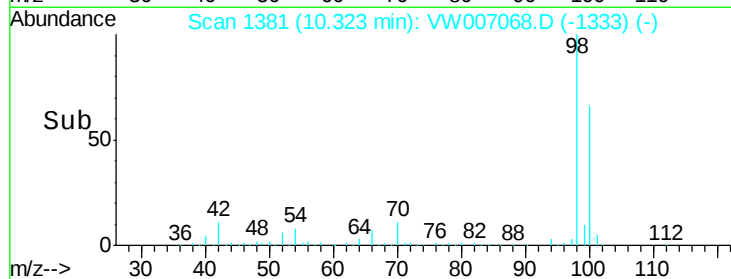
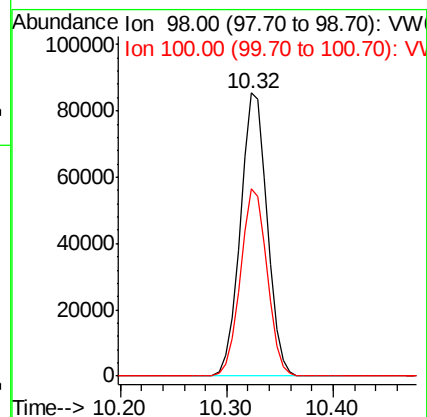
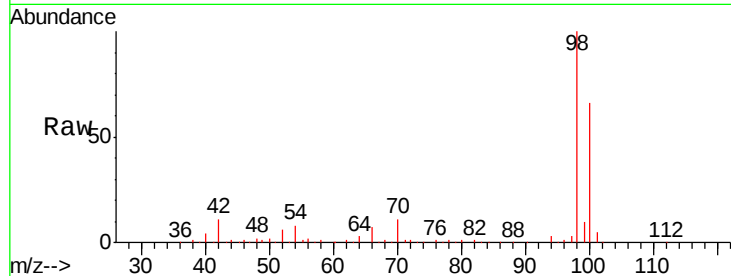
SU-03-112118-A

Tgt Ion: 98 Resp: 151469

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2



#52

Toluene

Concen: 2.49 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007068.D

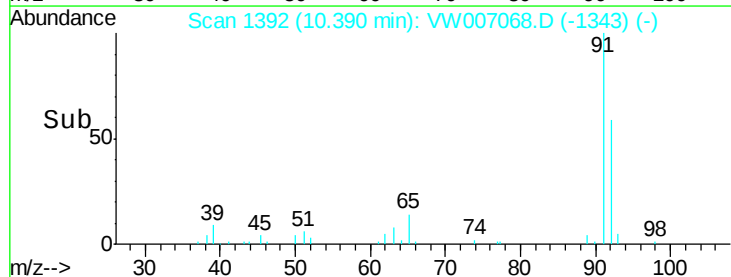
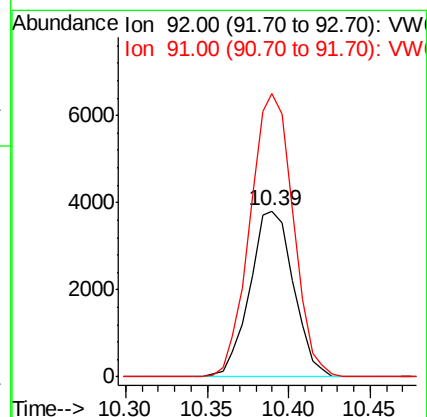
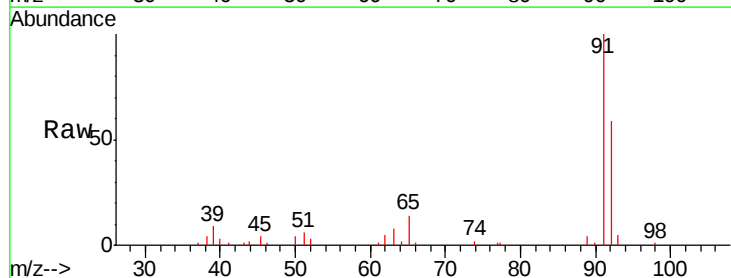
Acq: 27 Nov 2018 02:11

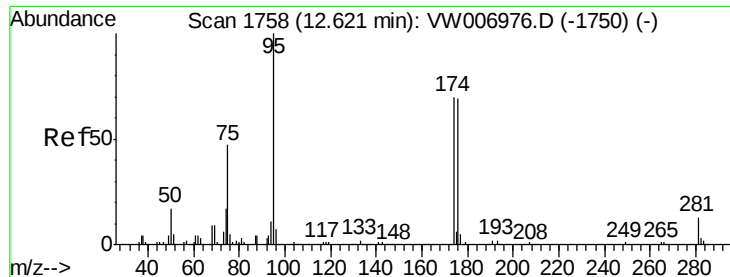
Tgt Ion: 92 Resp: 7056

Ion Ratio Lower Upper

92 100

91 168.8 137.3 205.9





#62

4-Bromofluorobenzene

Concen: 27.71 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007068.D

Acq: 27 Nov 2018 02:11

Instrument :

MSVOA\_W

ClientSampleId :

SU-03-112118-A

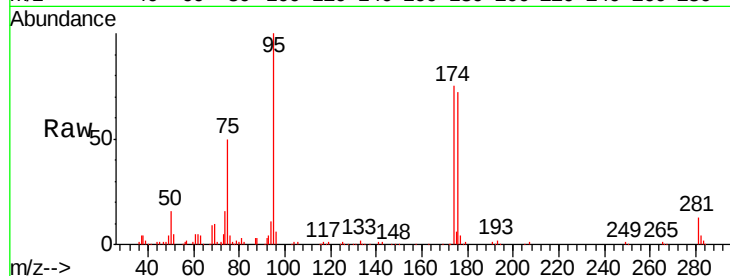
Tgt Ion: 95 Resp: 42916

Ion Ratio Lower Upper

95 100

174 73.9 0.0 143.6

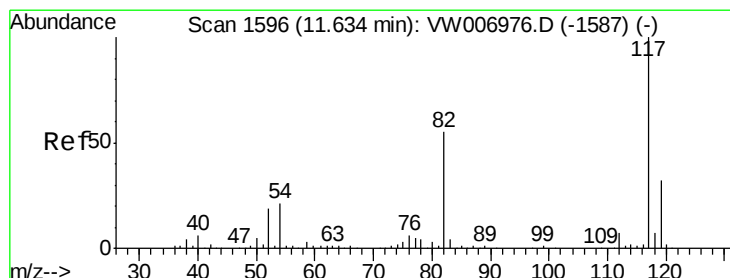
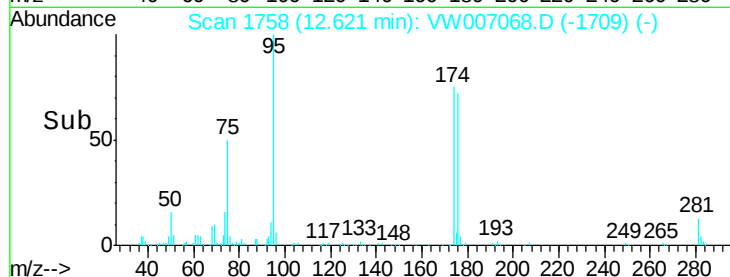
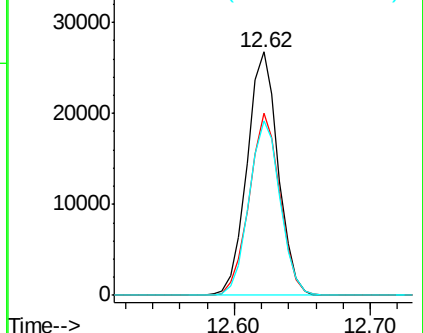
176 71.8 0.0 140.4



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: VW007068.D

Acq: 27 Nov 2018 02:11

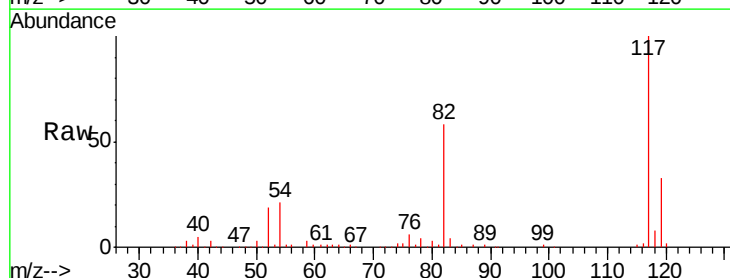
Tgt Ion: 117 Resp: 109601

Ion Ratio Lower Upper

117 100

82 58.2 44.2 66.2

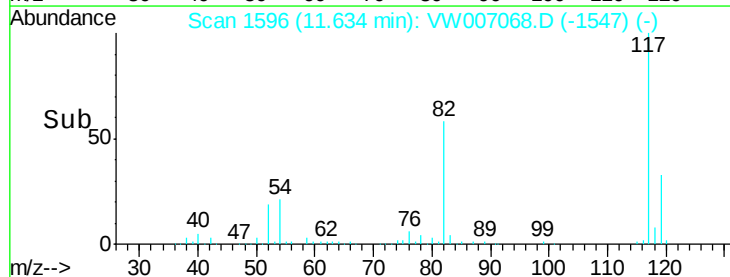
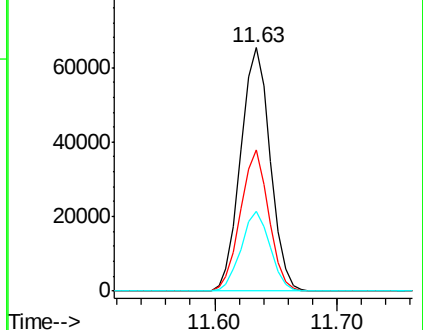
119 32.6 25.9 38.9

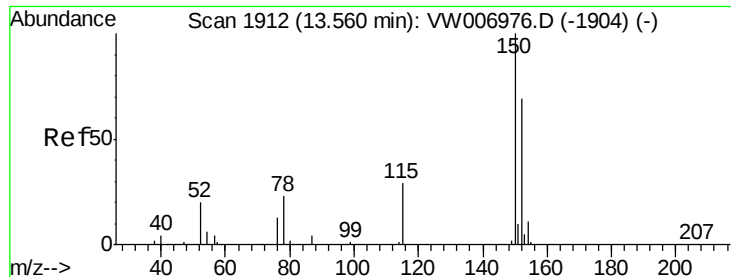


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007068.D

Acq: 27 Nov 2018 02:11

Instrument :

MSVOA\_W

ClientSampleId :

SU-03-112118-A

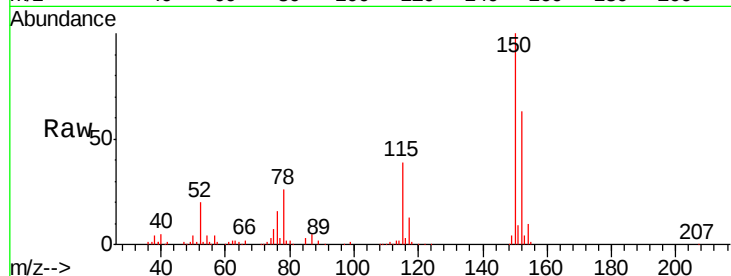
Tgt Ion:152 Resp: 27928

Ion Ratio Lower Upper

152 100

115 64.1 31.4 94.2

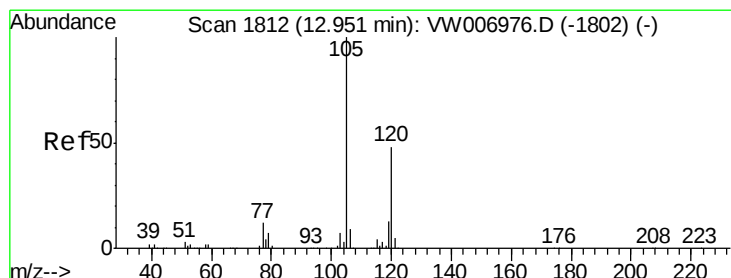
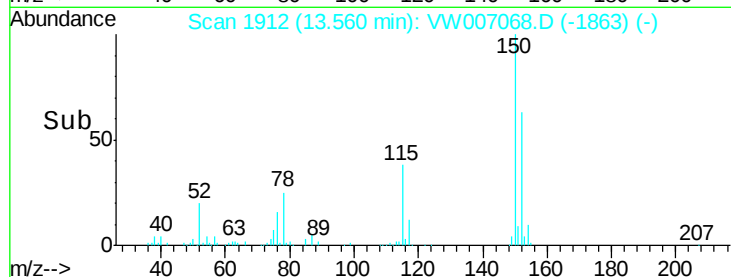
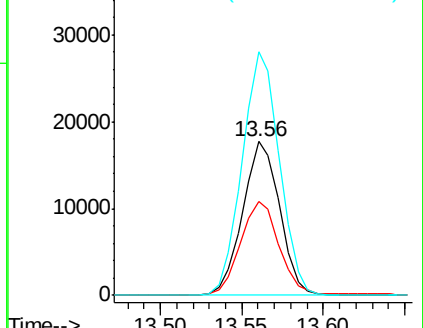
150 160.3 0.0 353.4



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



#80

1,3,5-Trimethylbenzene

Concen: 2.75 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VW007068.D

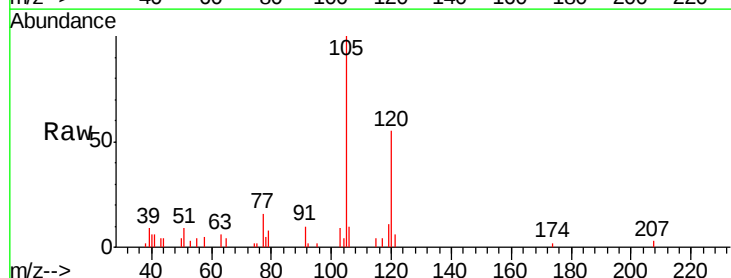
Acq: 27 Nov 2018 02:11

Tgt Ion:105 Resp: 5160

Ion Ratio Lower Upper

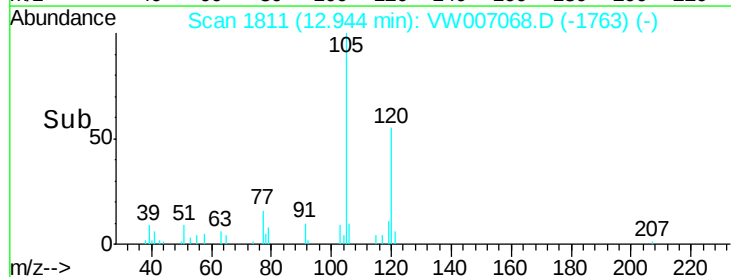
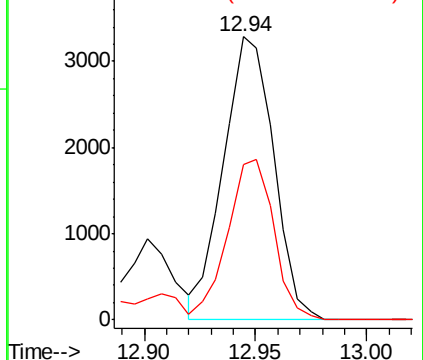
105 100

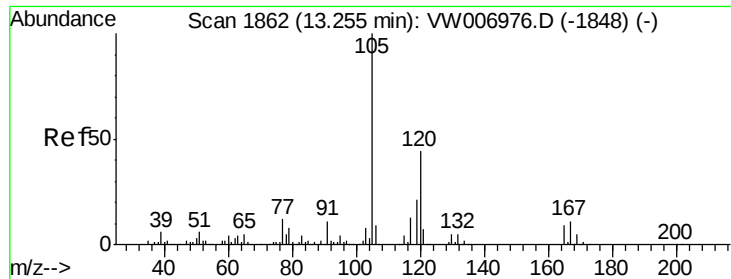
120 52.3 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

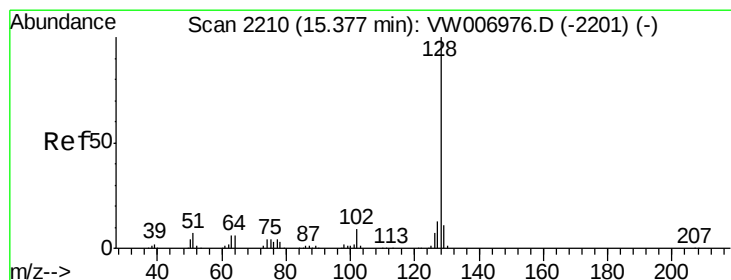
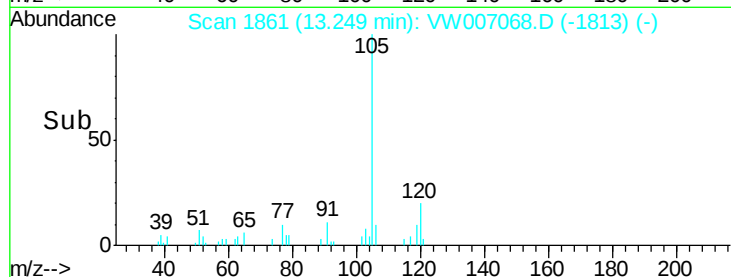
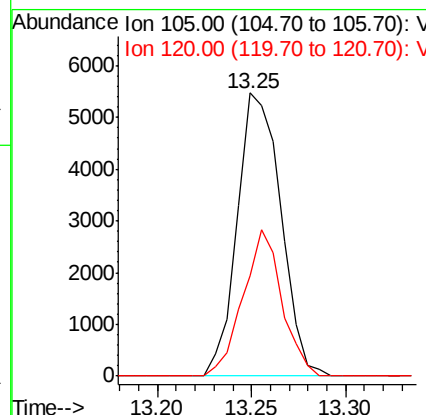
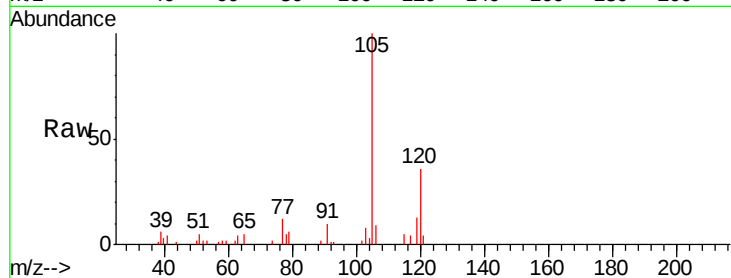




#84  
 1,2,4-Trimethylbenzene  
 Concen: 4.70 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. -0.01 min  
 Lab File: VW007068.D  
 Acq: 27 Nov 2018 02:11

Instrument :  
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 SU-03-112118-A

Tgt Ion:105 Resp: 8789  
 Ion Ratio Lower Upper  
 105 100  
 120 46.0 21.8 65.3



#95  
 Naphthalene  
 Concen: 110.57 ug/l  
 RT: 15.38 min Scan# 2210  
 Delta R.T. -0.00 min  
 Lab File: VW007068.D  
 Acq: 27 Nov 2018 02:11

Tgt Ion:128 Resp: 110377  
 Ion Ratio Lower Upper  
 128 100  
 127 13.3 10.5 15.7  
 129 11.1 8.7 13.1

