

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW112618\  
 Data File : VW007067.D  
 Acq On : 27 Nov 2018 01:45  
 Operator : VAY/AP  
 Sample : J5774-03  
 Misc : 6.21G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SU-02-112118

Quant Time: Nov 27 07:34:10 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

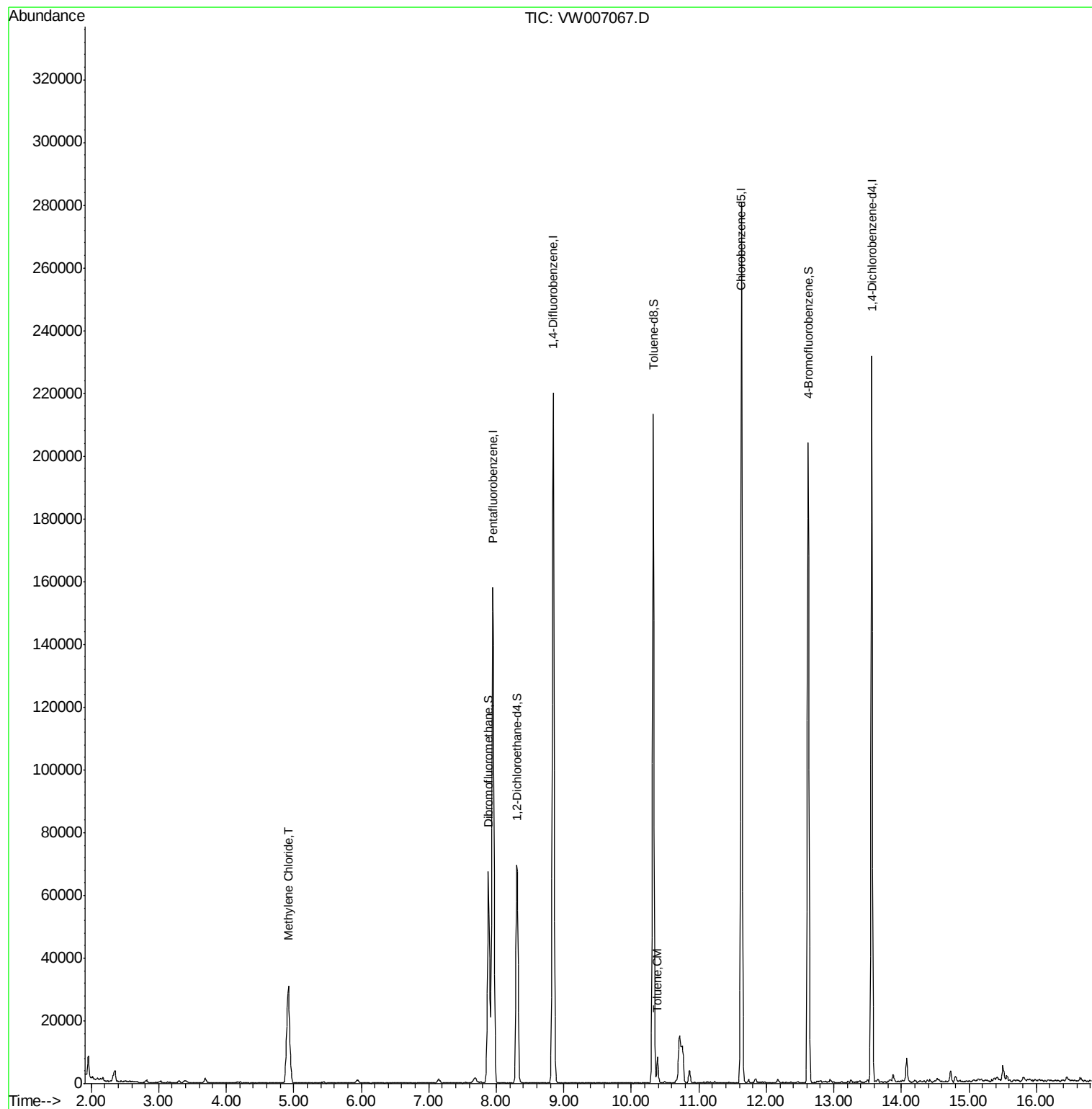
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 119339   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 189480   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 156108   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 61815    | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 57138    | 48.90 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.80% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 50601    | 47.29 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.58% |          |
| 50) Toluene-d8              | 10.32 | 98   | 143424   | 30.35 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 60.70% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 69244    | 37.24 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 74.48% |          |
| Target Compounds            |       |      |          |       |        |          |
| 20) Methylene Chloride      | 4.92  | 84   | 24484    | 14.25 | ug/l   | 97       |
| 52) Toluene                 | 10.39 | 92   | 3521     | 1.04  | ug/l   | 99       |

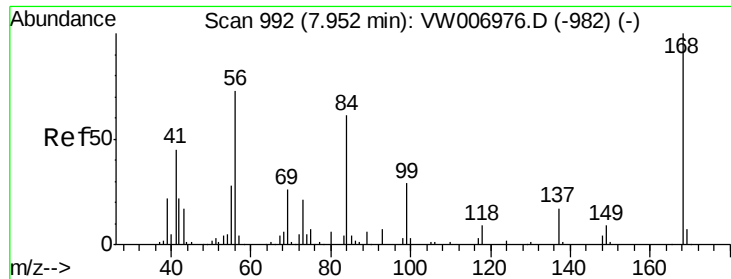
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007067.D

Acq: 27 Nov 2018 01:45

Instrument :

MSVOA\_W

ClientSampleId :

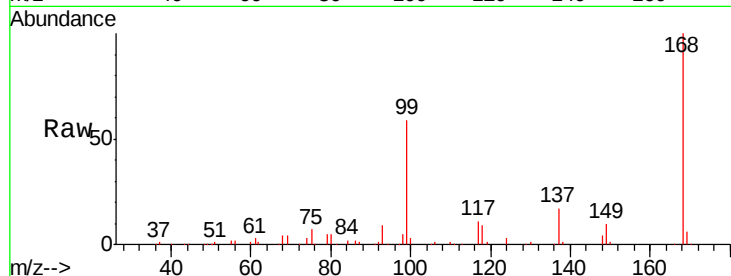
SU-02-112118

Tgt Ion:168 Resp: 119339

Ion Ratio Lower Upper

168 100

99 58.8 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

60000

50000

40000

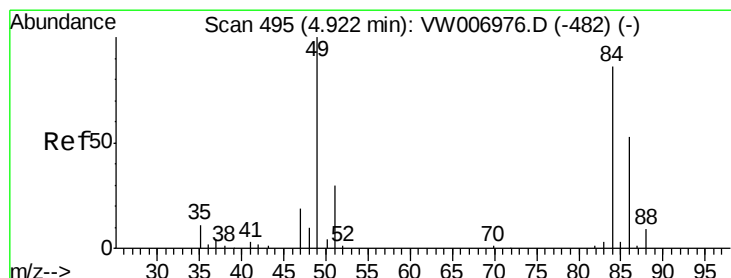
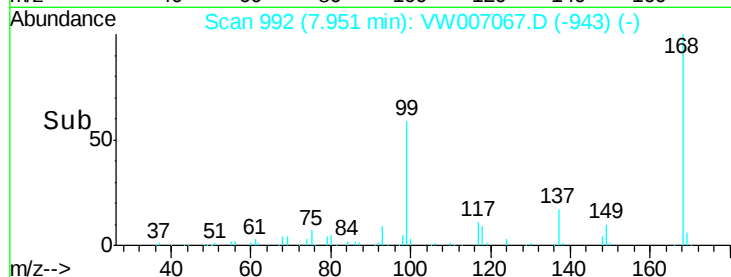
30000

20000

10000

0

Time-->



#20

Methylene Chloride

Concen: 14.25 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007067.D

Acq: 27 Nov 2018 01:45

Tgt Ion: 84 Resp: 24484

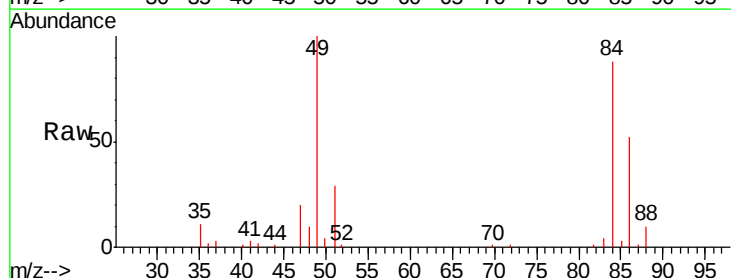
Ion Ratio Lower Upper

84 100

49 113.4 93.4 140.0

51 32.6 28.4 42.6

86 59.5 49.8 74.8



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

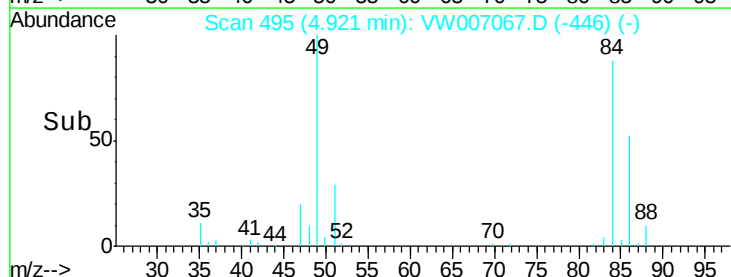
4.92

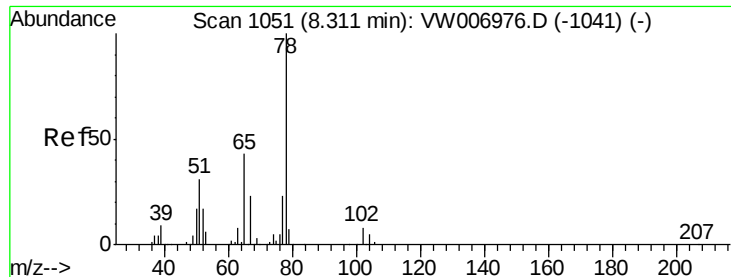
10000

5000

0

Time-->

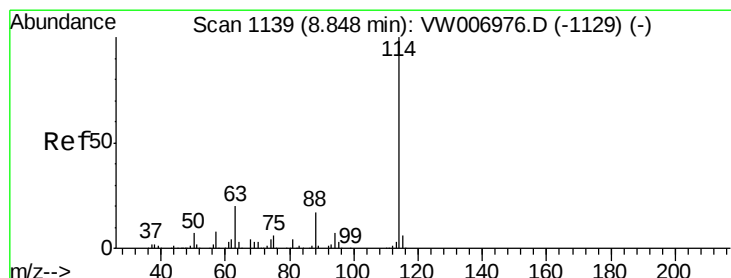
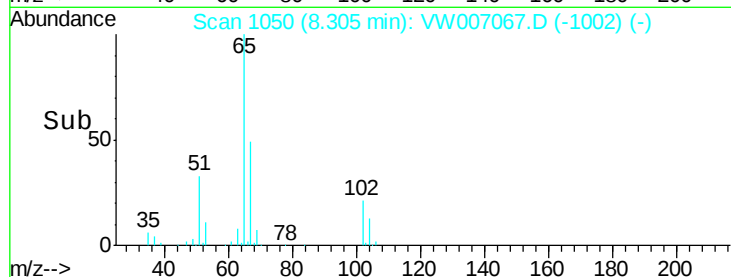
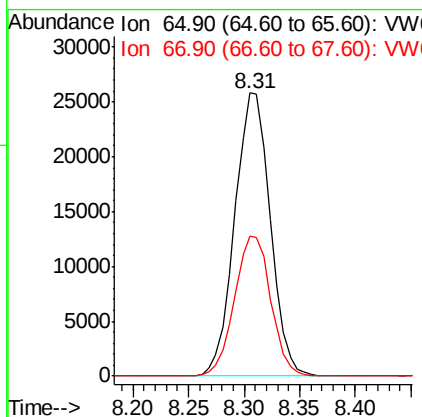
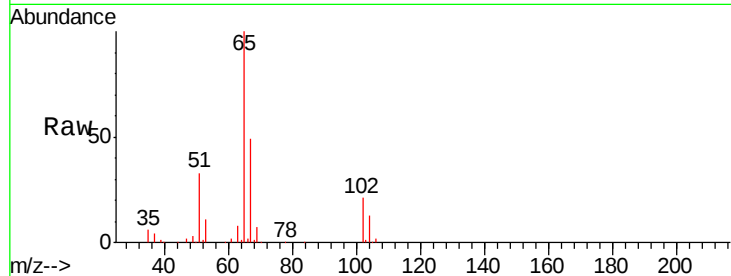




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.90 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.01 min  
 Lab File: VW007067.D  
 Acq: 27 Nov 2018 01:45

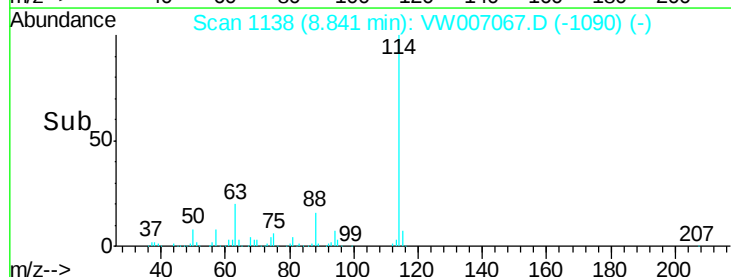
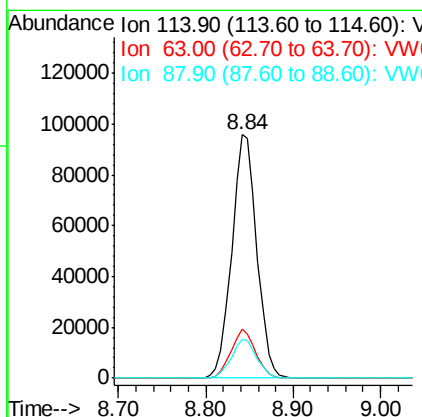
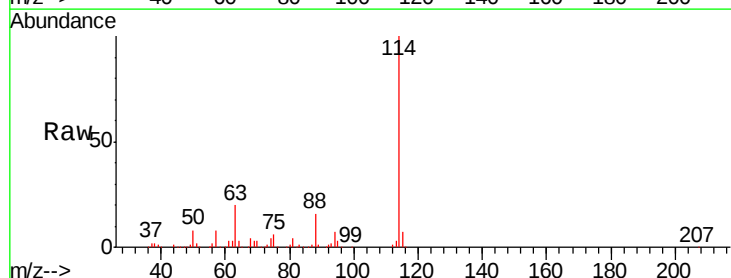
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SU-02-112118

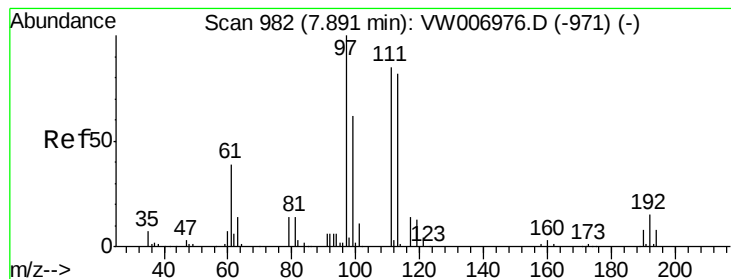
Tgt Ion: 65 Resp: 57138  
 Ion Ratio Lower Upper  
 65 100  
 67 50.5 0.0 106.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.01 min  
 Lab File: VW007067.D  
 Acq: 27 Nov 2018 01:45

Tgt Ion: 114 Resp: 189480  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 39.4  
 88 16.2 0.0 34.2





#35

Dibromofluoromethane

Concen: 47.29 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007067.D

Acq: 27 Nov 2018 01:45

Instrument :

MSVOA\_W

ClientSampleId :

SU-02-112118

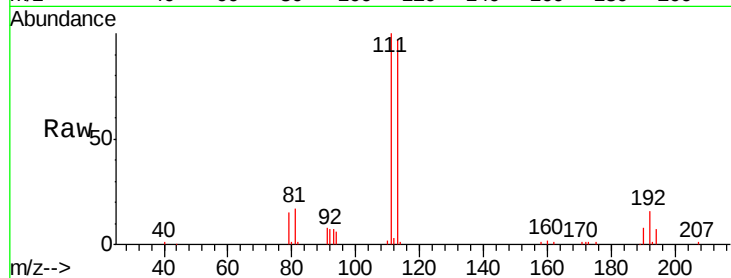
Tgt Ion:113 Resp: 50601

Ion Ratio Lower Upper

113 100

111 100.1 81.0 121.6

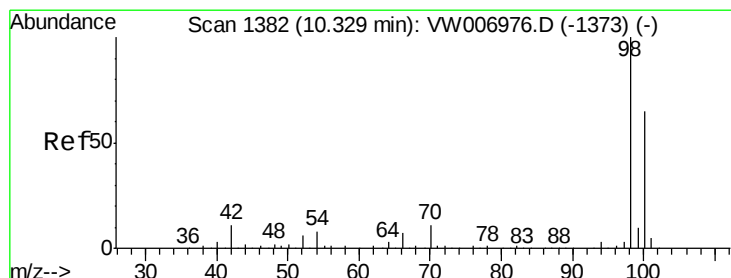
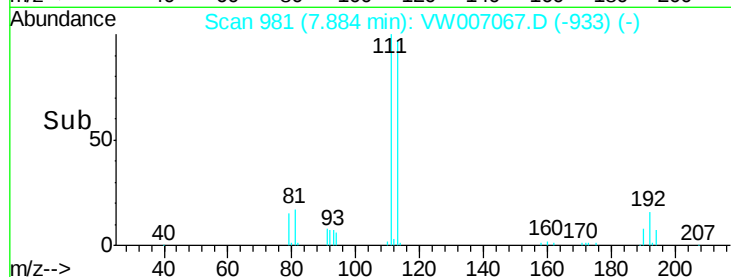
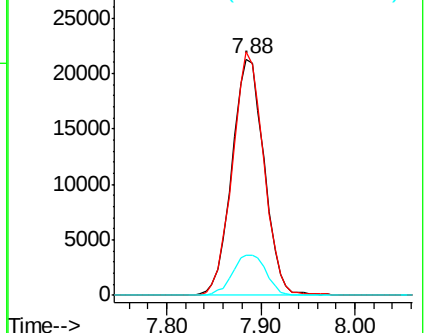
192 17.8 15.0 22.6



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: 30.35 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007067.D

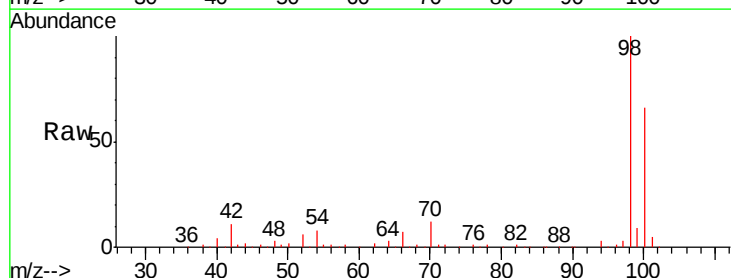
Acq: 27 Nov 2018 01:45

Tgt Ion: 98 Resp: 143424

Ion Ratio Lower Upper

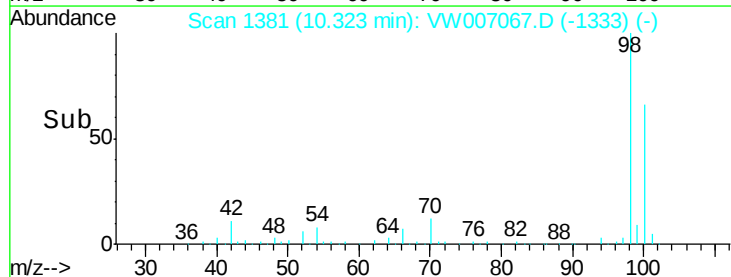
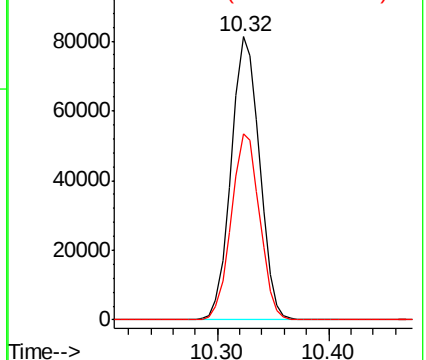
98 100

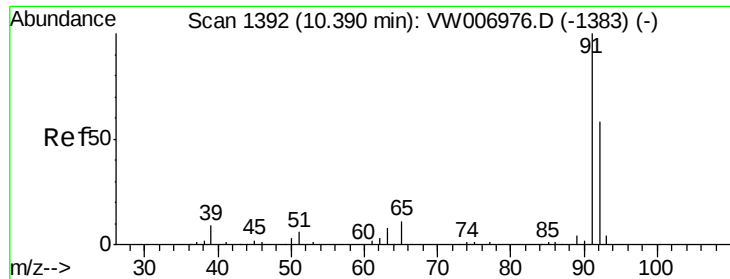
100 65.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.04 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007067.D

Acq: 27 Nov 2018 01:45

Instrument :

MSVOA\_W

ClientSampleId :

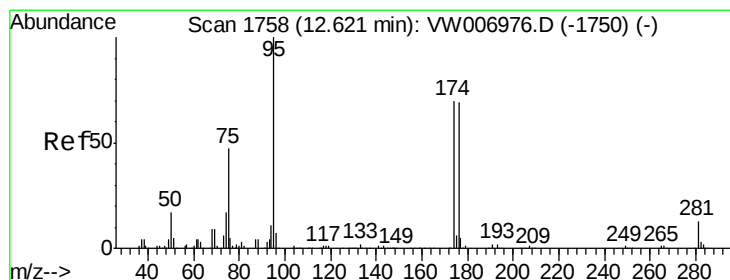
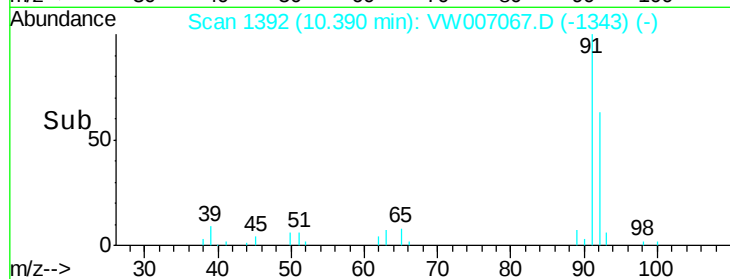
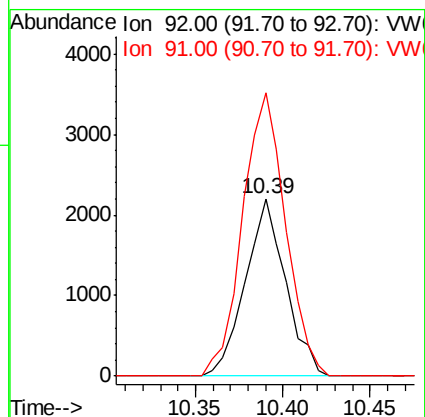
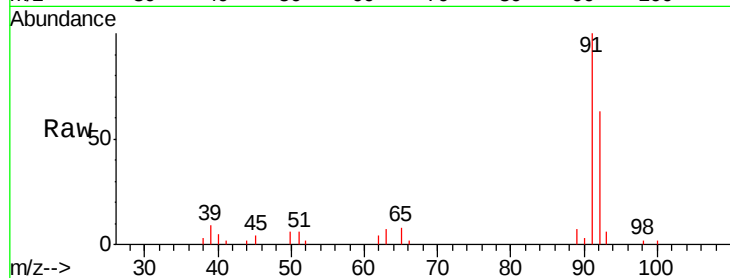
SU-02-112118

Tgt Ion: 92 Resp: 3521

Ion Ratio Lower Upper

92 100

91 170.2 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 37.24 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007067.D

Acq: 27 Nov 2018 01:45

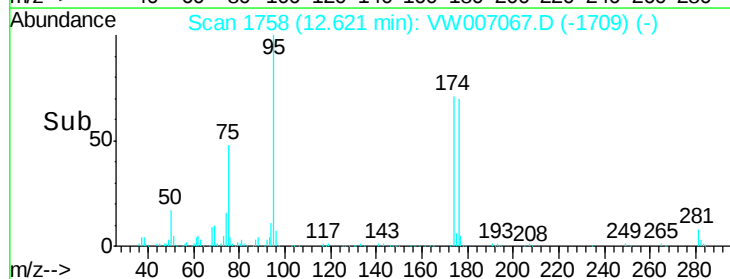
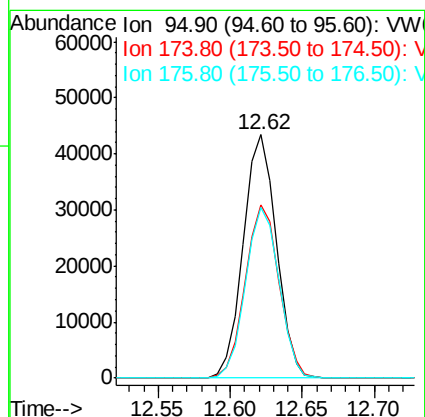
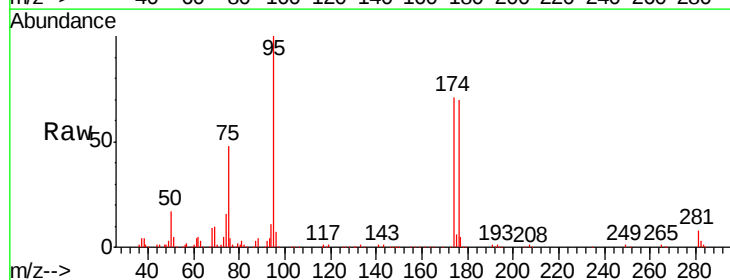
Tgt Ion: 95 Resp: 69244

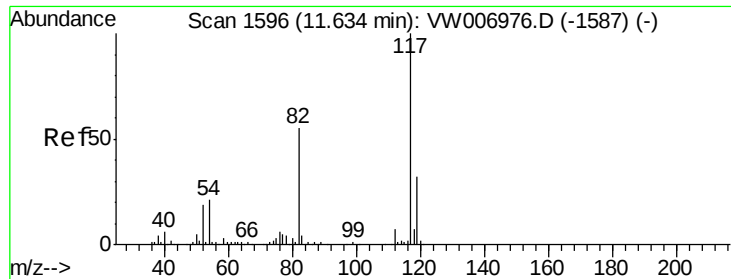
Ion Ratio Lower Upper

95 100

174 72.6 0.0 143.6

176 70.7 0.0 140.4

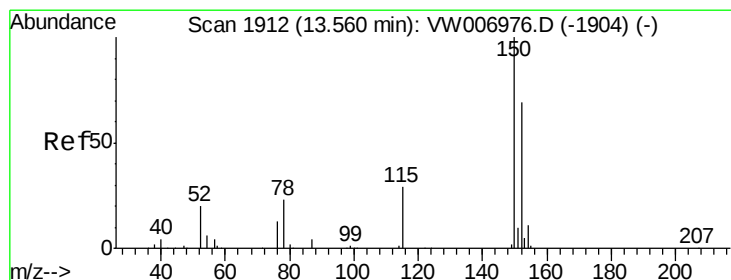
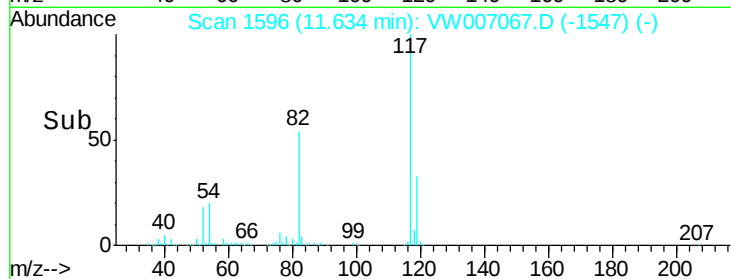
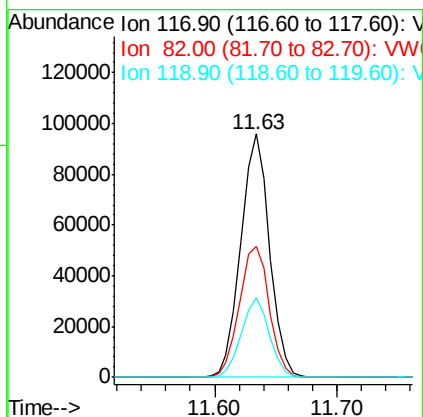
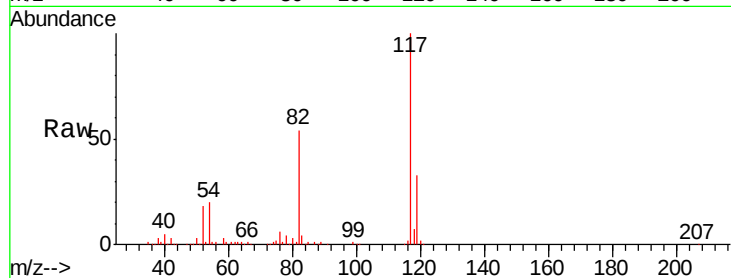




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW007067.D  
Acq: 27 Nov 2018 01:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
SU-02-112118

Tgt Ion:117 Resp: 156108  
Ion Ratio Lower Upper  
117 100  
82 54.0 44.2 66.2  
119 32.5 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW007067.D  
Acq: 27 Nov 2018 01:45

Tgt Ion:152 Resp: 61815  
Ion Ratio Lower Upper  
152 100  
115 61.7 31.4 94.2  
150 154.1 0.0 353.4

