

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070119\  
 Data File : VW011090.D  
 Acq On : 01 Jul 2019 17:35  
 Operator : SY/VA  
 Sample : K3554-09  
 Misc : 6.94G/5ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SAMPLE-16

Quant Time: Jul 02 09:17:10 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W062819S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 28 01:55:46 2019  
 Response via : Initial Calibration

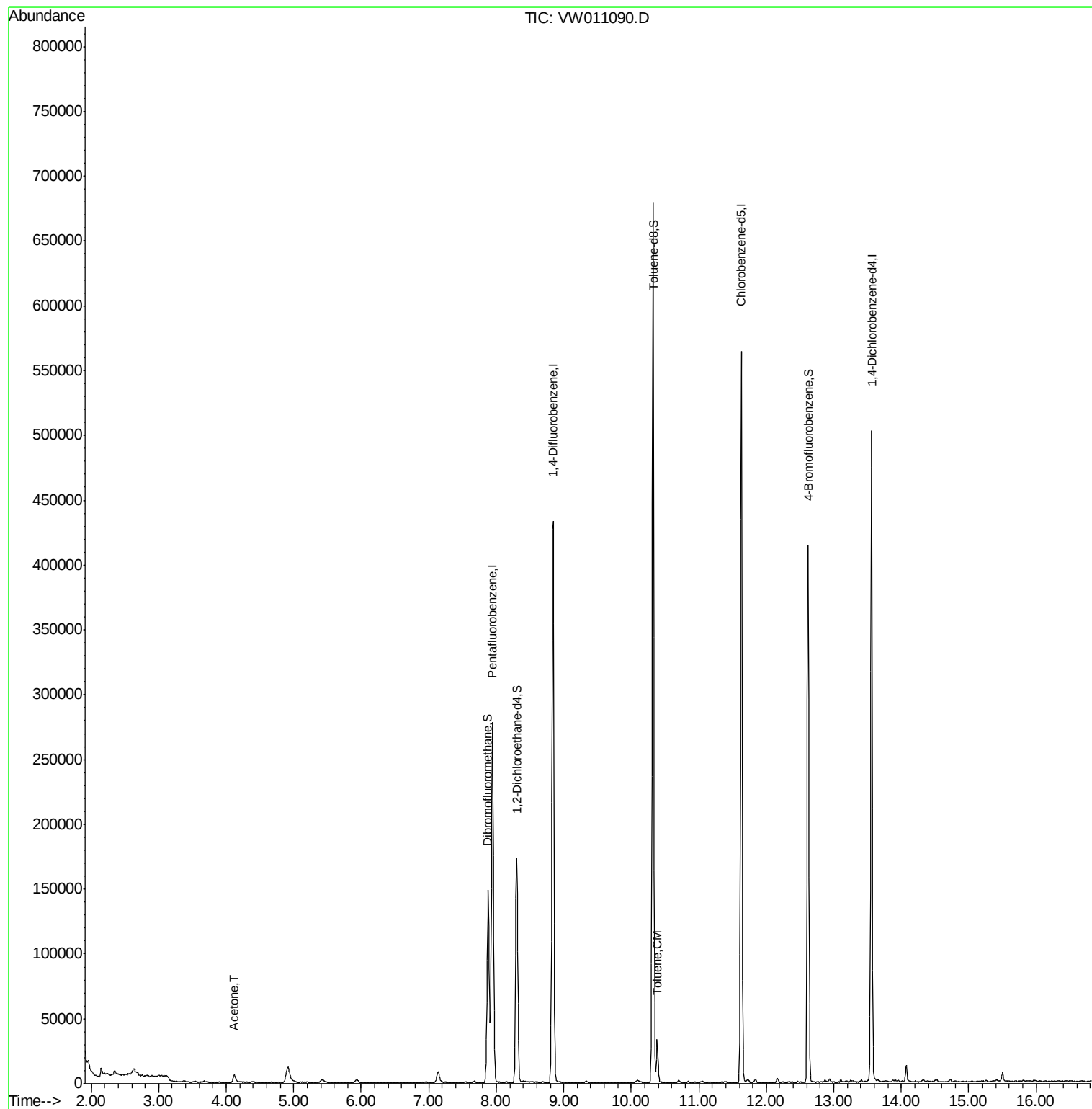
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 196904   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 344323   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 287607   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 120221   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 138107   | 53.65  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.30% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 103507   | 49.23  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.46%  |          |
| 50) Toluene-d8              | 10.32 | 98   | 424098   | 49.00  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.00%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 136619   | 43.16  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.32%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 11269    | 17.935 | ug/l    | 95       |
| 52) Toluene                 | 10.39 | 92   | 13264    | 2.128  | ug/l    | 96       |

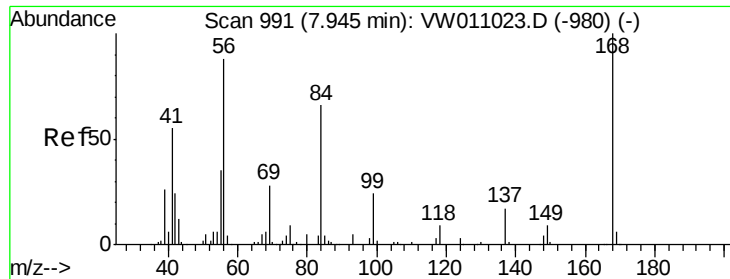
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW070119\  
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ClientSampleId :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W062819S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 28 01:55:46 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011090.D

Acq: 01 Jul 2019 17:35

Instrument :

MSVOA\_W

ClientSampleId :

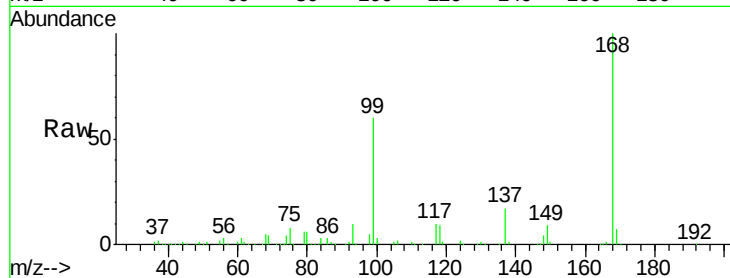
SAMPLE-16

Tot Ion:168 Resp: 196904

Ion Ratio Lower Upper

168 100

99 60.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

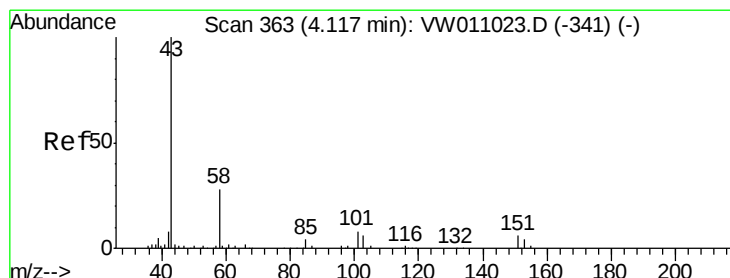
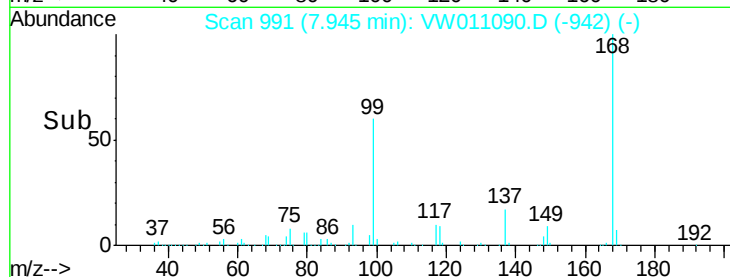
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 17.935 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011090.D

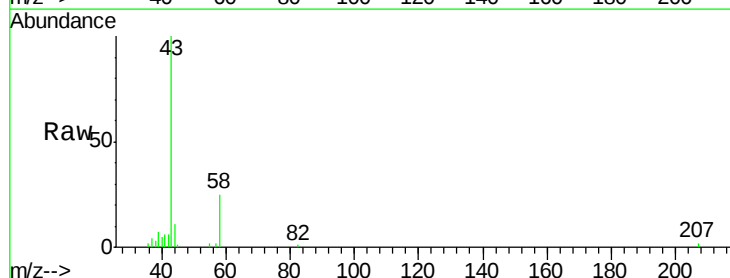
Acq: 01 Jul 2019 17:35

Tgt Ion: 43 Resp: 11269

Ion Ratio Lower Upper

43 100

58 25.3 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

4000

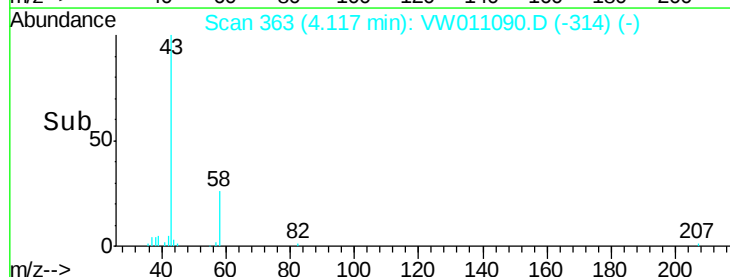
3000

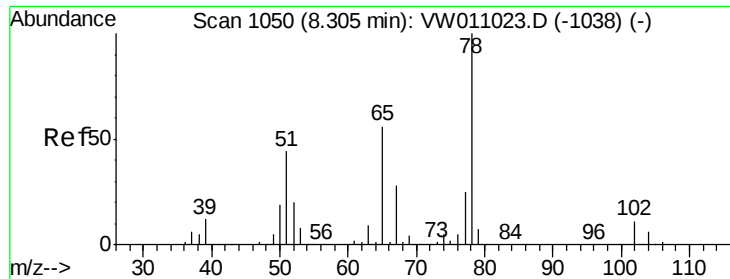
2000

1000

0

Time--> 4.00 4.05 4.10 4.15 4.20

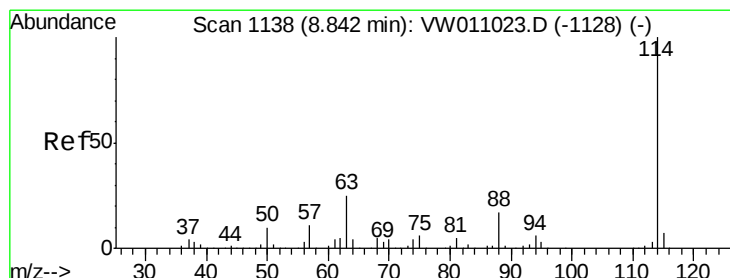
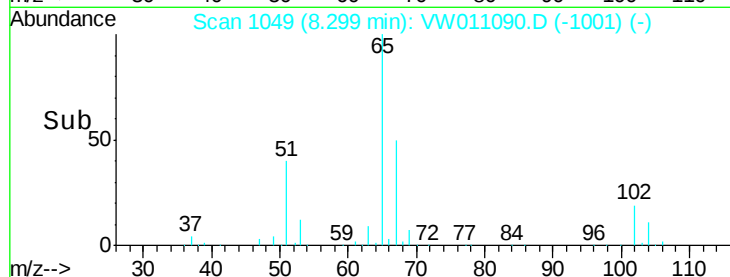
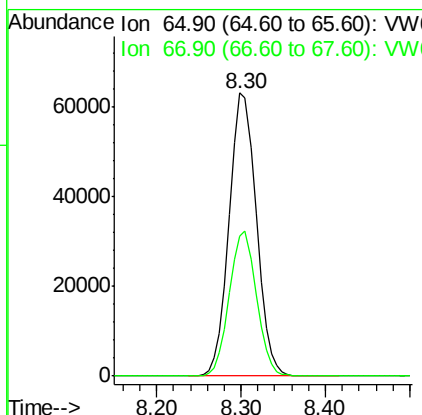
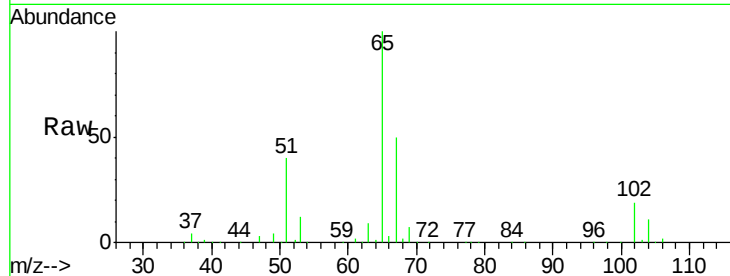




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.653 ug/l  
 RT: 8.30 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: VW011090.D  
 Acq: 01 Jul 2019 17:35

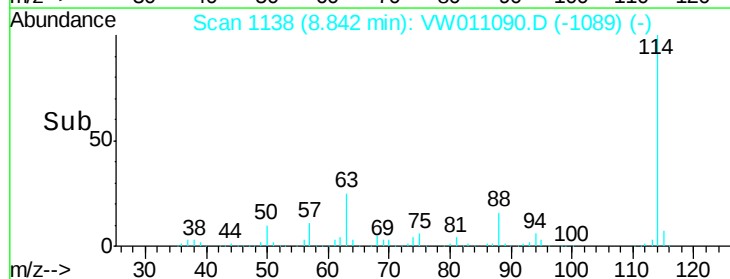
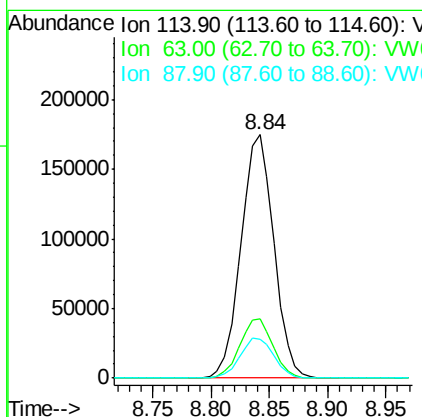
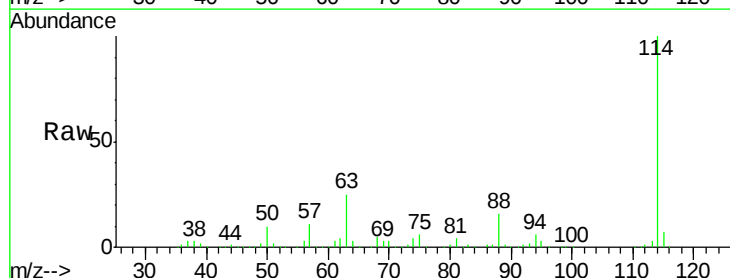
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SAMPLE-16

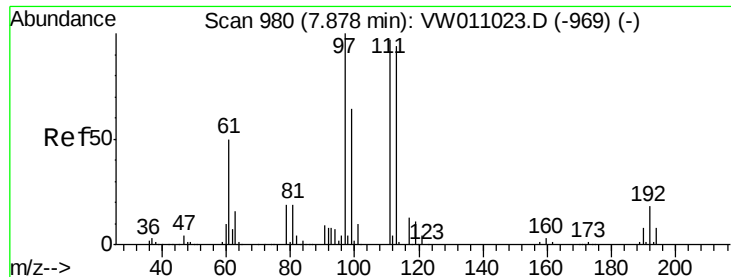
Tot Ion: 65 Resp: 138107  
 Ion Ratio Lower Upper  
 65 100  
 67 51.0 0.0 102.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW011090.D  
 Acq: 01 Jul 2019 17:35

Tgt Ion: 114 Resp: 344323  
 Ion Ratio Lower Upper  
 114 100  
 63 24.6 0.0 50.6  
 88 15.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.229 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW011090.D

Acq: 01 Jul 2019 17:35

Instrument :

MSVOA\_W

ClientSampleId :

SAMPLE-16

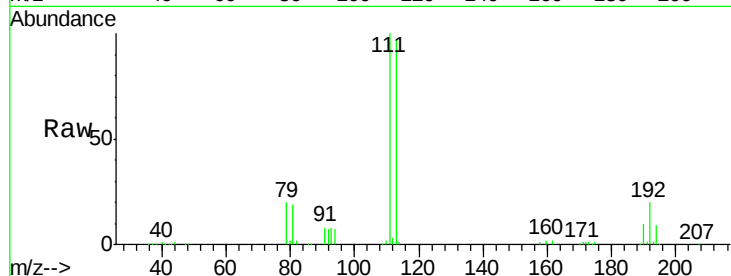
Tot Ion:113 Resp: 103507

Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

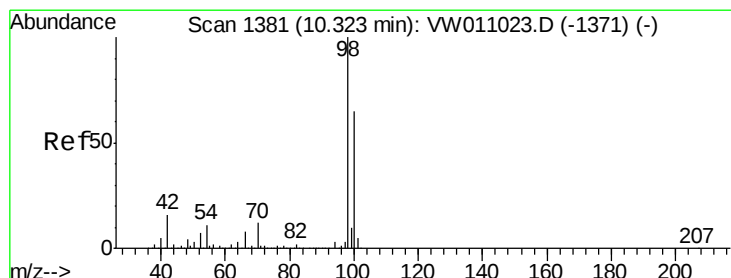
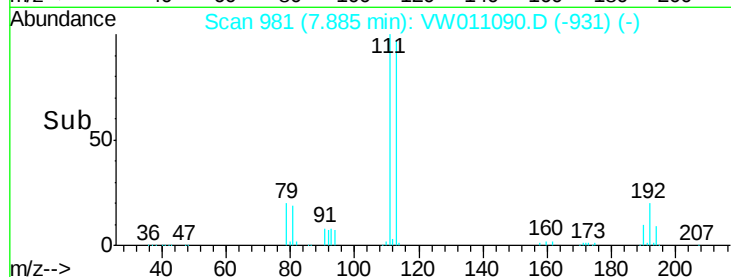
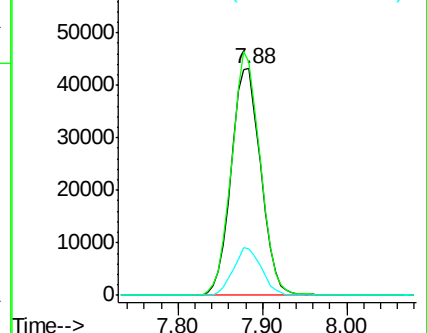
192 19.8 16.0 24.0



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: 49.002 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011090.D

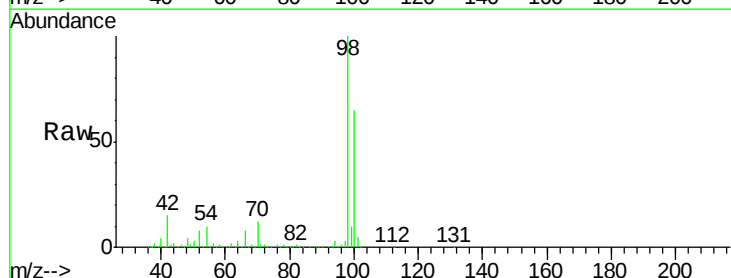
Acq: 01 Jul 2019 17:35

Tgt Ion: 98 Resp: 424098

Ion Ratio Lower Upper

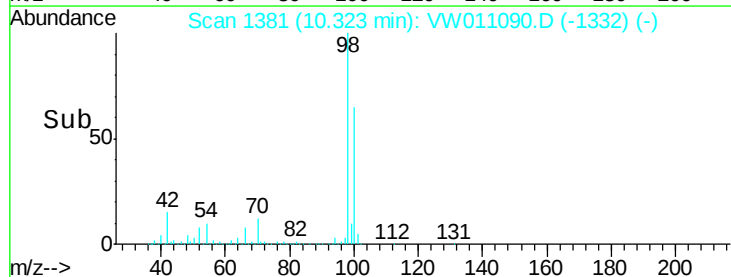
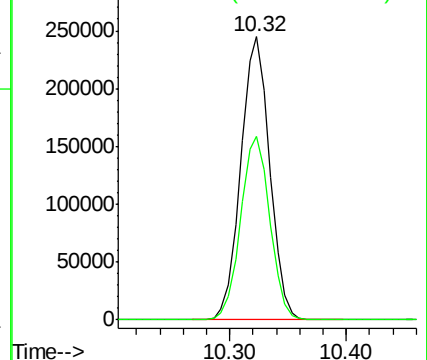
98 100

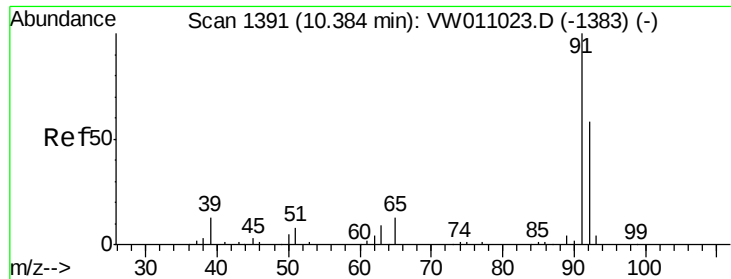
100 65.4 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.128 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011090.D

Acq: 01 Jul 2019 17:35

Instrument :

MSVOA\_W

ClientSampleId :

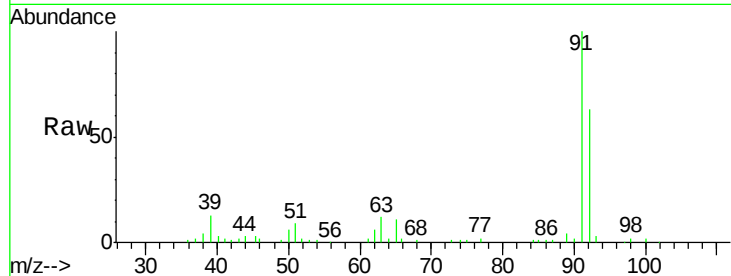
SAMPLE-16

Tot Ion: 92 Resp: 13264

Ion Ratio Lower Upper

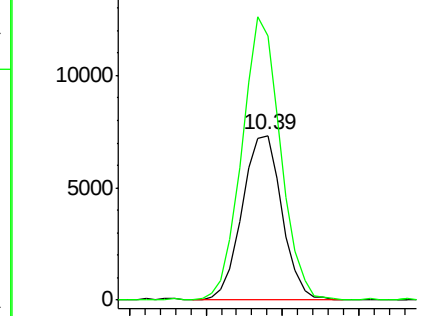
92 100

91 166.1 136.9 205.3

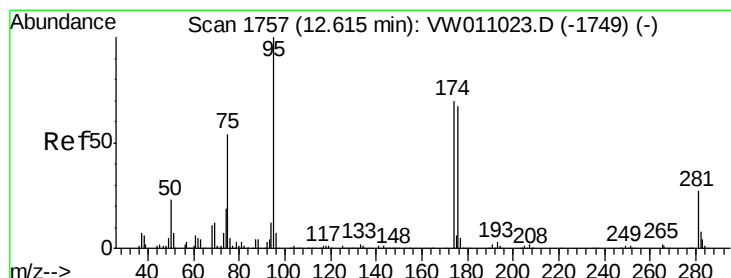
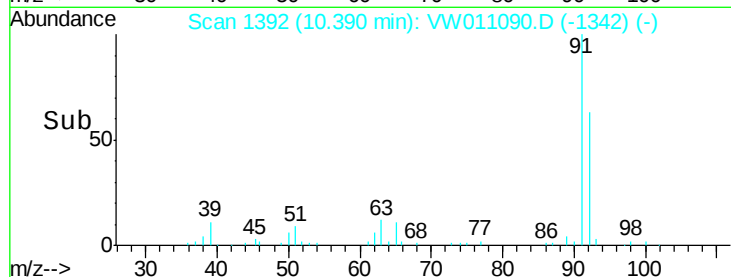


Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



Time-->



#62

4-Bromofluorobenzene

Concen: 43.159 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011090.D

Acq: 01 Jul 2019 17:35

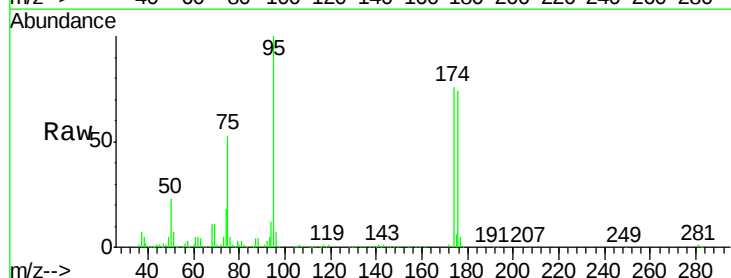
Tgt Ion: 95 Resp: 136619

Ion Ratio Lower Upper

95 100

174 75.0 0.0 149.2

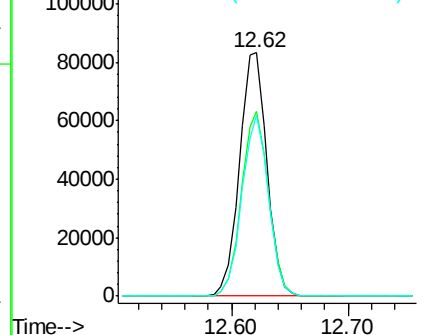
176 72.0 0.0 143.6



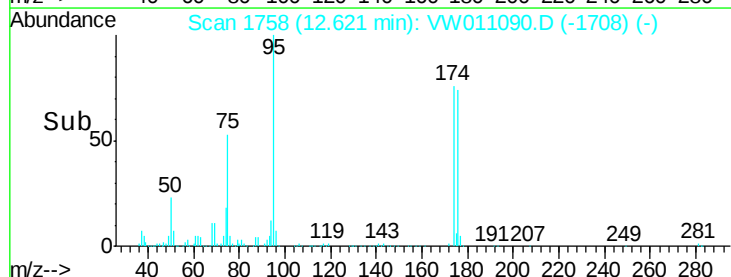
Abundance Ion 94.90 (94.60 to 95.60): VW

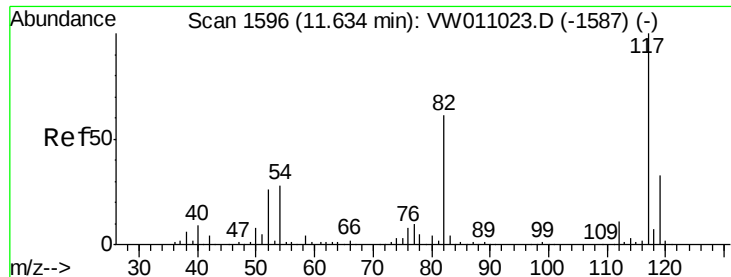
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

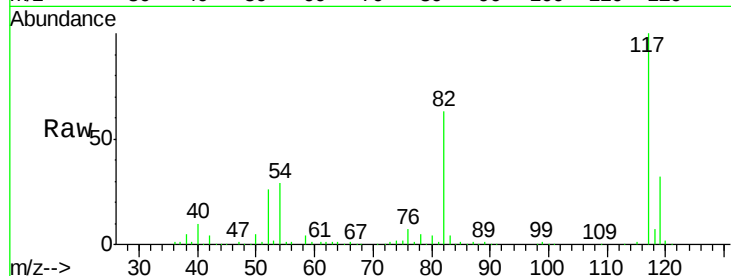




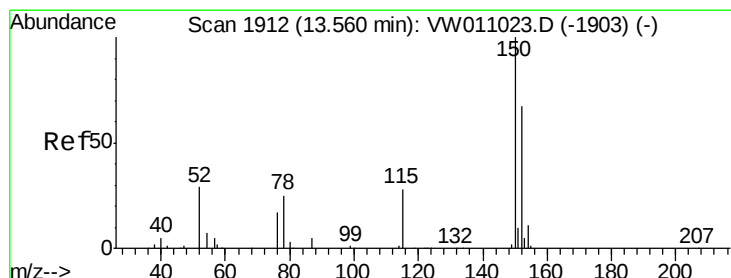
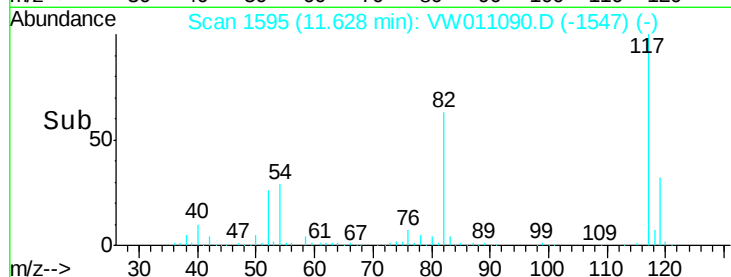
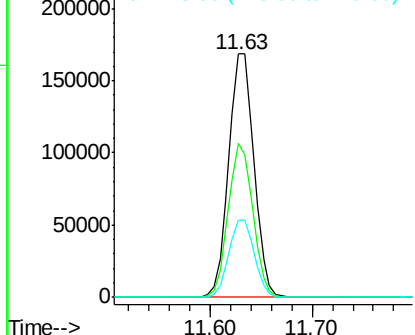
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW011090.D  
Acq: 01 Jul 2019 17:35

Instrument :  
MSVOA\_W  
ClientSampleId :  
SAMPLE-16

Tot Ion:117 Resp: 287607  
Ion Ratio Lower Upper  
117 100  
82 63.2 48.6 73.0  
119 31.9 26.1 39.1

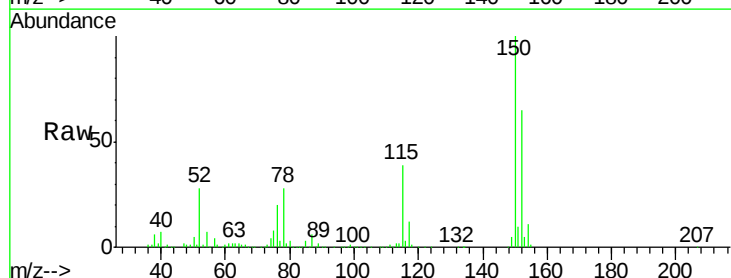


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW011090.D  
Acq: 01 Jul 2019 17:35

Tgt Ion:152 Resp: 120221  
Ion Ratio Lower Upper  
152 100  
115 60.7 30.7 92.1  
150 158.5 0.0 341.8



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

