

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060619\  
 Data File : VW010712.D  
 Acq On : 06 Jun 2019 16:17  
 Operator : SY/VA  
 Sample : K3245-01  
 Misc : 7.04G/5ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DRILLING-MUD

Quant Time: Jun 07 08:35:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W060419S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 05 03:21:19 2019  
 Response via : Initial Calibration

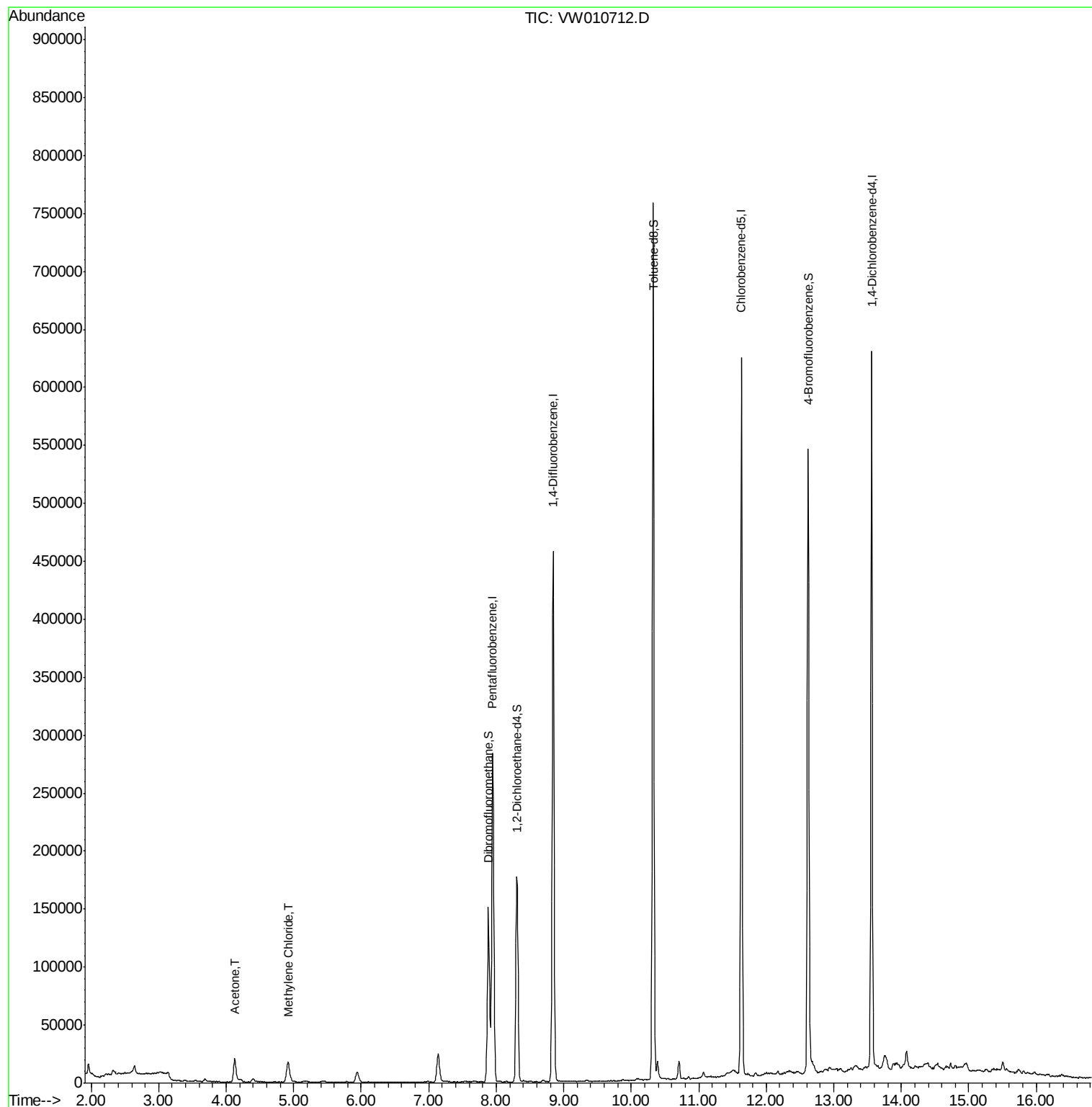
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 206048   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 357423   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 317560   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 145662   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 140657   | 57.92  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 115.84% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 105336   | 54.30  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.60% |          |
| 50) Toluene-d8              | 10.32 | 98   | 471714   | 55.45  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.90% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 171143   | 55.28  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.56% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.13  | 43   | 35876    | 55.131 | ug/l    | 98       |
| 20) Methylene Chloride      | 4.91  | 84   | 11661    | 5.108  | ug/l    | 97       |

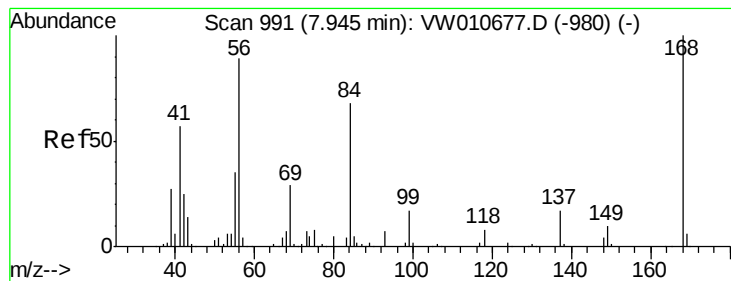
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060619\  
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Quant Title : SW846 8260  
QLast Update : Wed Jun 05 03:21:19 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010712.D

Acq: 06 Jun 2019 16:17

Instrument :

MSVOA\_W

ClientSampleId :

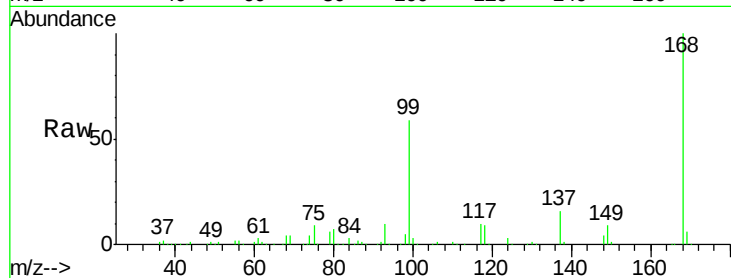
DRILLING-MUD

Tot Ion:168 Resp: 206048

Ion Ratio Lower Upper

168 100

99 59.1 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VW010712.D (-942) (-)

Ion 98.90 (98.60 to 99.60): VW010712.D (-942) (-)

7.95

100000

80000

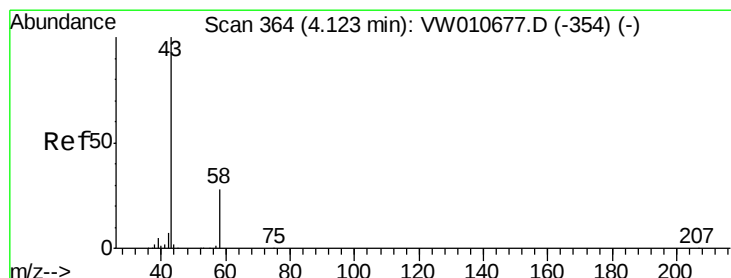
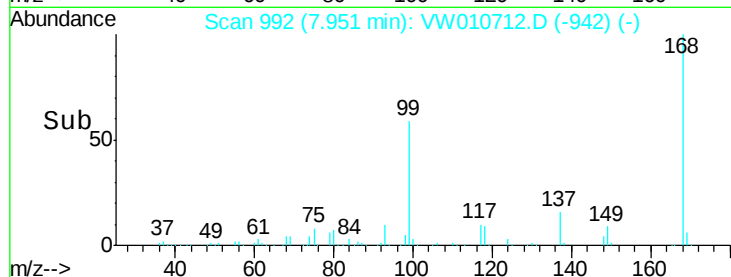
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 55.131 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010712.D

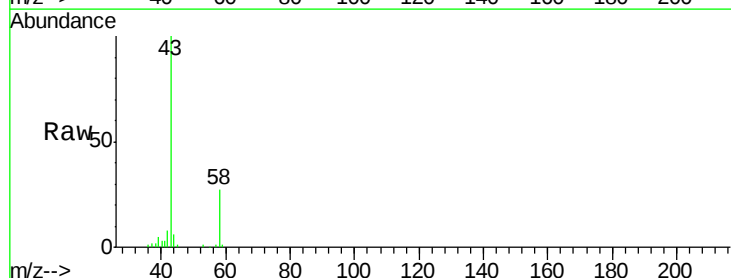
Acq: 06 Jun 2019 16:17

Tgt Ion: 43 Resp: 35876

Ion Ratio Lower Upper

43 100

58 26.7 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW010712.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VW010712.D (-315) (-)

4.13

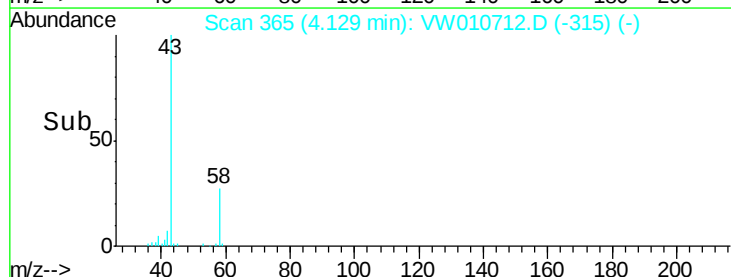
15000

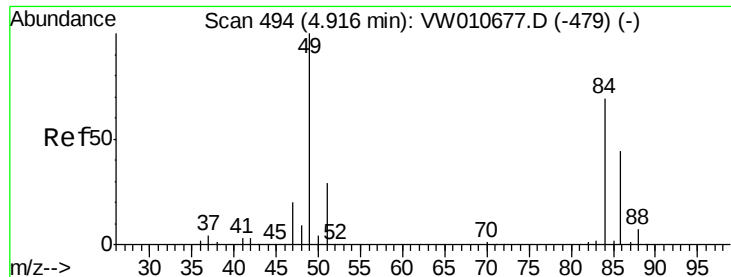
10000

5000

0

Time-->

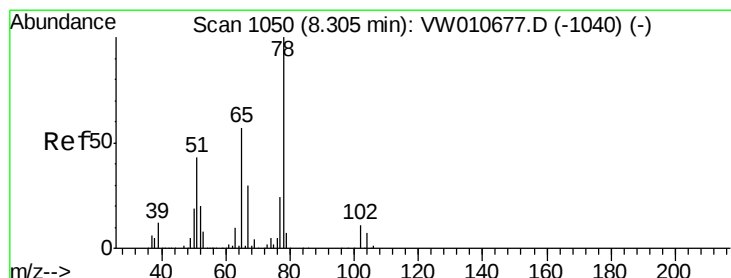
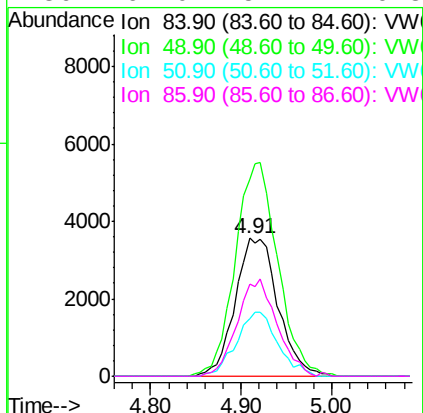
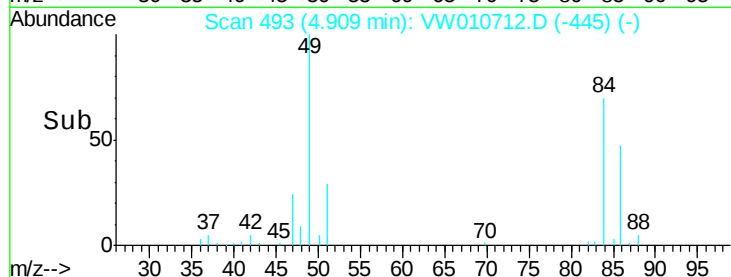
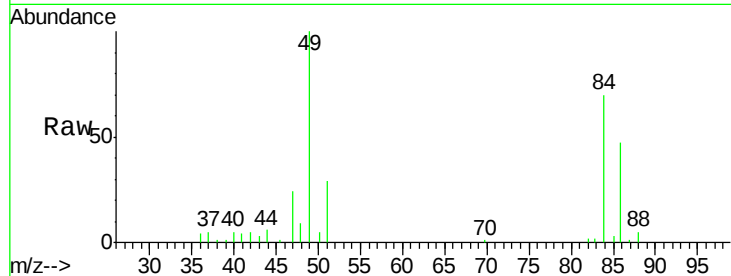




#20  
Methvlene Chloride  
Concen: 5.108 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW010712.D  
Acq: 06 Jun 2019 16:17

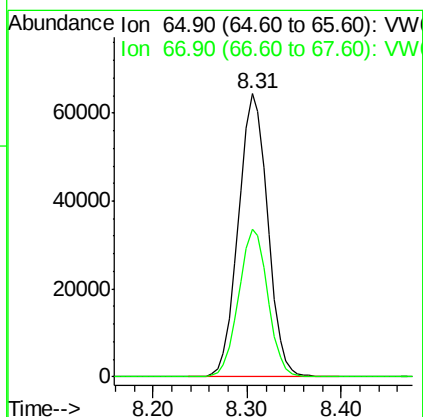
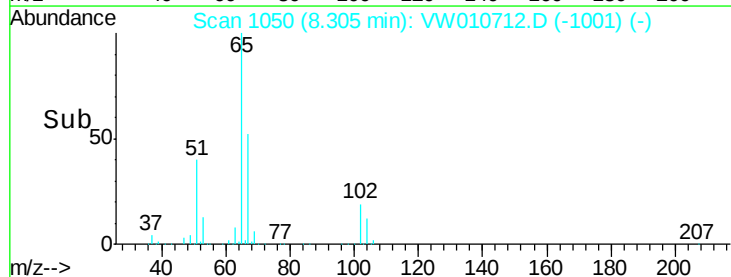
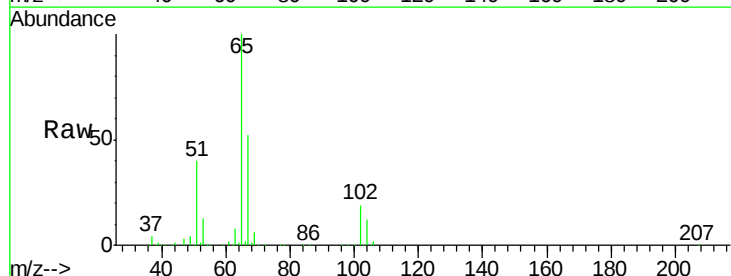
Instrument :  
MSVOA\_W  
ClientSampleId :  
DRILLING-MUD

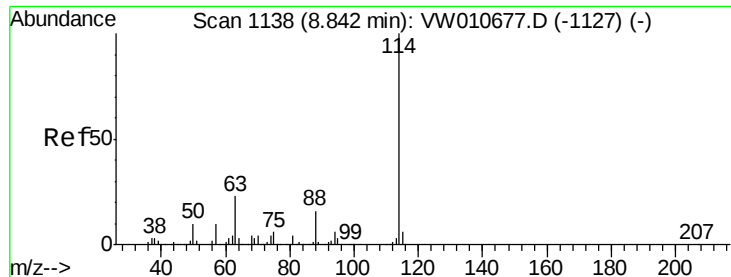
Tot Ion: 84 Resp: 11661  
Ion Ratio Lower Upper  
84 100  
49 142.9 116.7 175.1  
51 41.7 34.2 51.2  
86 67.0 51.2 76.8



#33  
1,2-Dichloroethane-d4  
Concen: 57.916 ug/l  
RT: 8.31 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VW010712.D  
Acq: 06 Jun 2019 16:17

Tgt Ion: 65 Resp: 140657  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 102.6

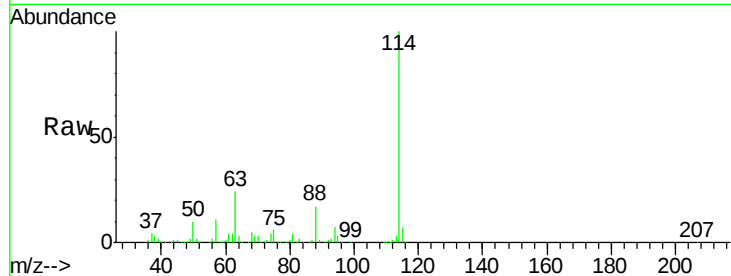




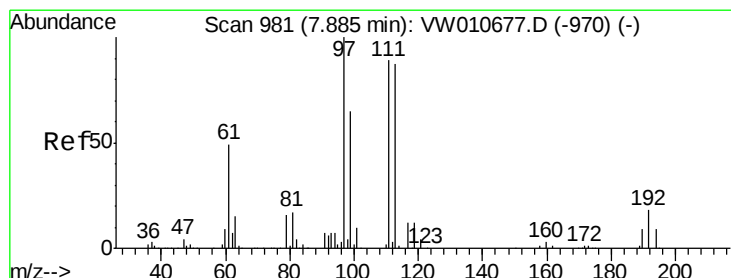
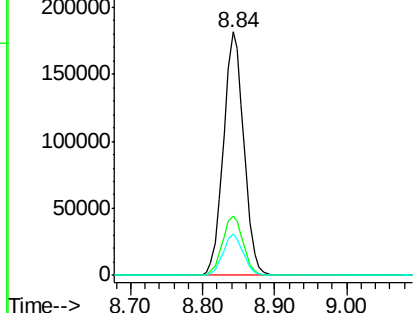
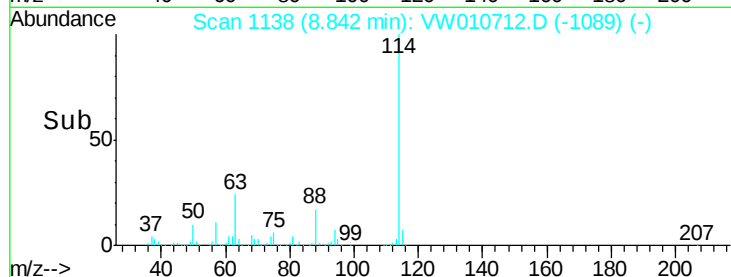
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW010712.D  
 Acq: 06 Jun 2019 16:17

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DRILLING-MUD

Tot Ion:114 Resp: 357423  
 Ion Ratio Lower Upper  
 114 100  
 63 24.5 0.0 46.4  
 88 16.9 0.0 32.2

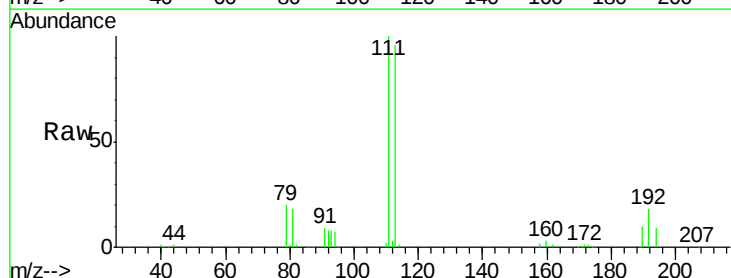


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

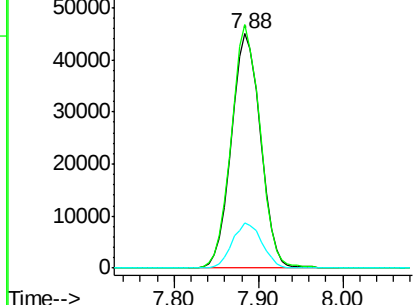
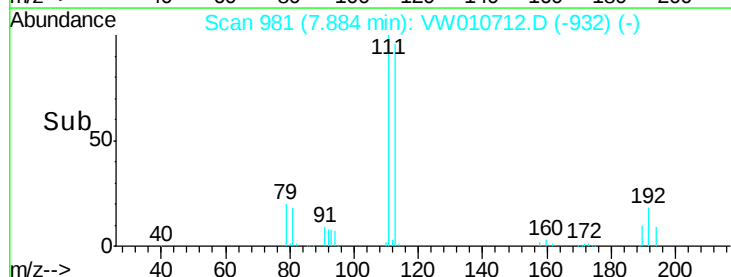


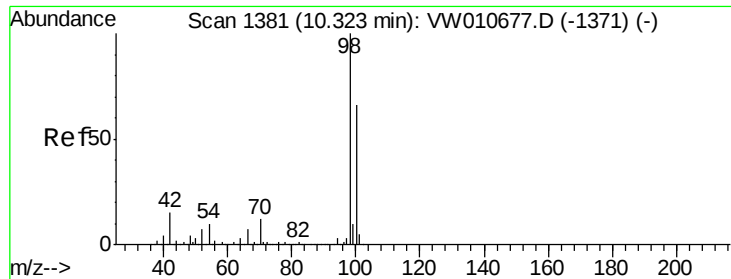
#35  
 Dibromofluoromethane  
 Concen: 54.296 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW010712.D  
 Acq: 06 Jun 2019 16:17

Tgt Ion:113 Resp: 105336  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 82.6 123.8  
 192 19.5 16.4 24.6



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: 55.449 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010712.D

Acq: 06 Jun 2019 16:17

Instrument :

MSVOA\_W

ClientSampleId :

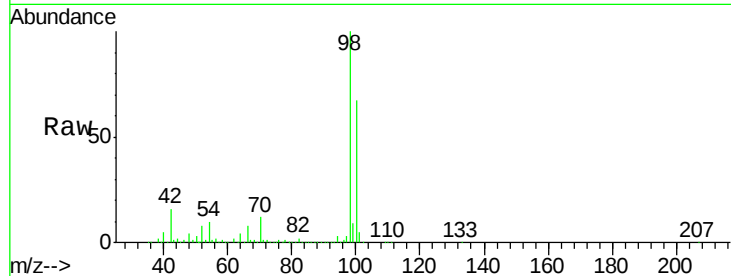
DRILLING-MUD

Tot Ion: 98 Resp: 471714

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

250000

200000

150000

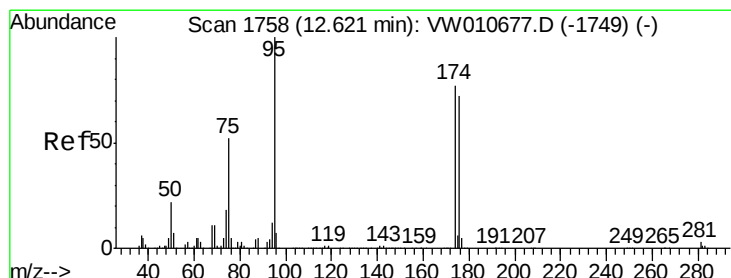
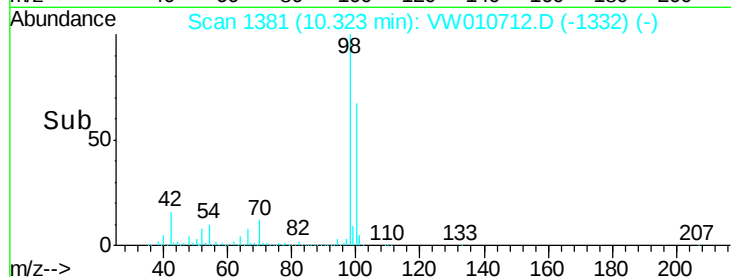
100000

50000

0

Time-->

10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 55.285 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010712.D

Acq: 06 Jun 2019 16:17

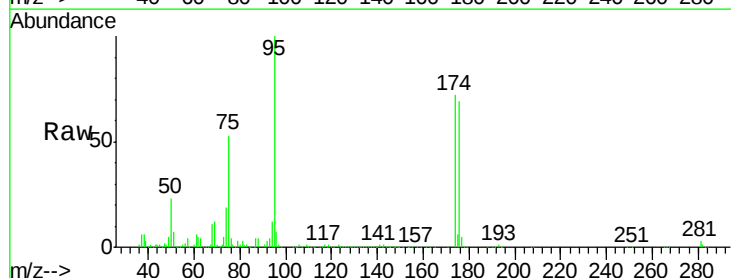
Tgt Ion: 95 Resp: 171143

Ion Ratio Lower Upper

95 100

174 72.3 0.0 150.4

176 70.2 0.0 144.8



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

12.62

150000

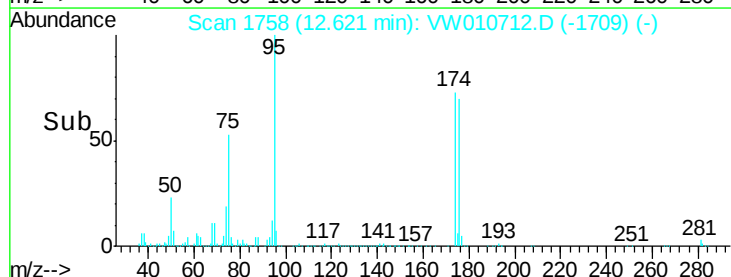
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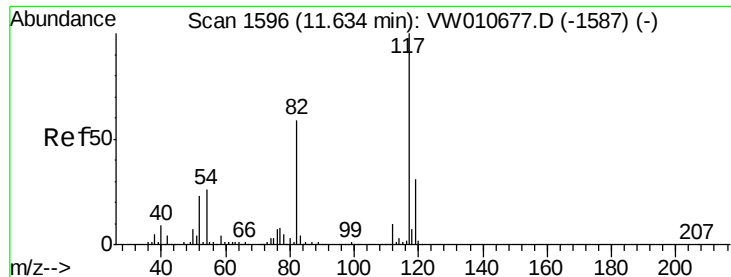
50000

0

Time-->

12.50 12.60 12.70

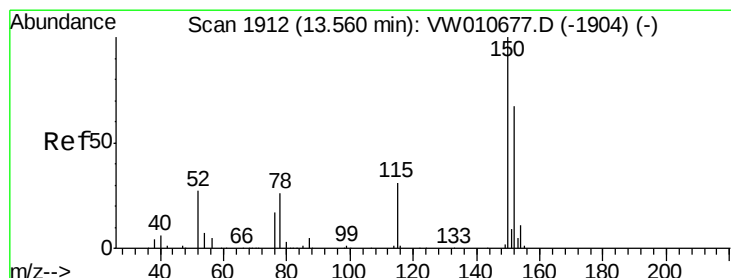
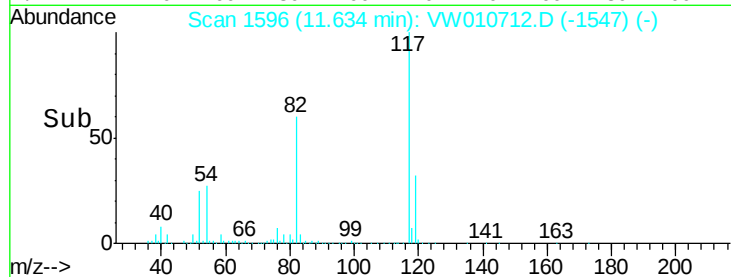
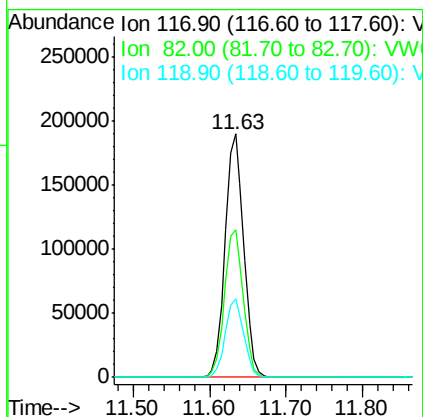
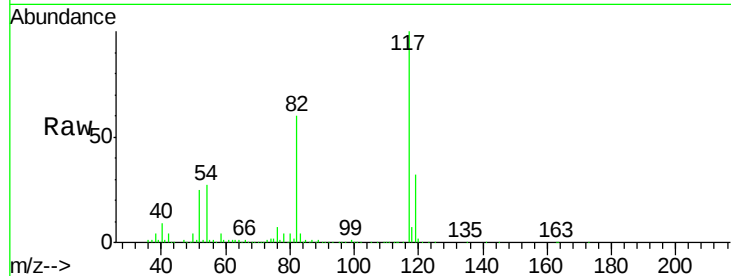




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW010712.D  
Acq: 06 Jun 2019 16:17

Instrument :  
MSVOA\_W  
ClientSampleId :  
DRILLING-MUD

Tot Ion:117 Resp: 317560  
Ion Ratio Lower Upper  
117 100  
82 60.3 47.0 70.4  
119 32.4 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW010712.D  
Acq: 06 Jun 2019 16:17

Tgt Ion:152 Resp: 145662  
Ion Ratio Lower Upper  
152 100  
115 62.2 29.8 89.3  
150 159.4 0.0 345.0

