

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\  
 Data File : VW010872.D  
 Acq On : 20 Jun 2019 03:34  
 Operator : SY/VA  
 Sample : K3440-04  
 Misc : 4.69G/5ML/MSVOA W/SOIL  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FK-SF-03-008-B

Quant Time: Jun 20 07:22:34 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

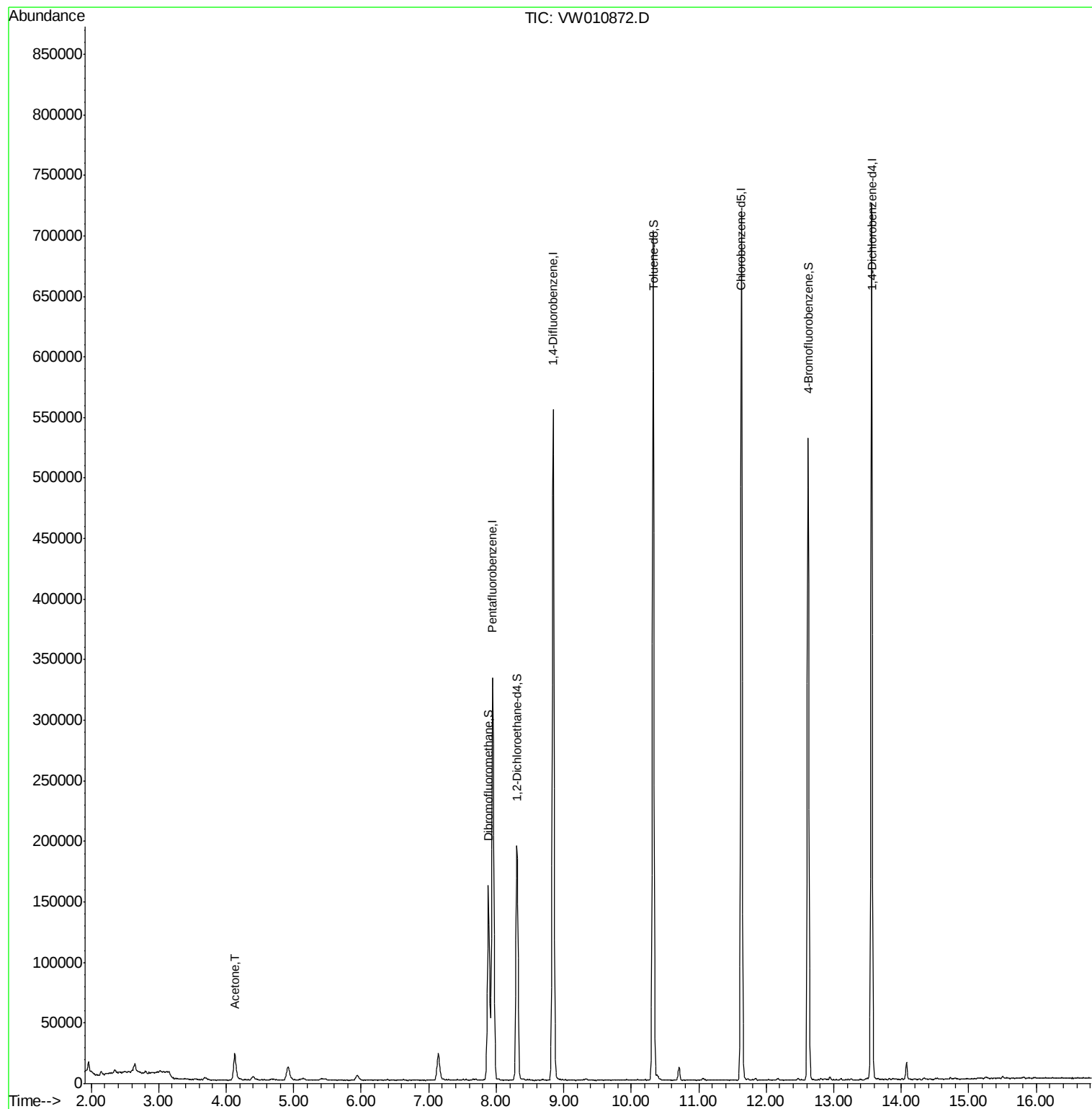
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 237780   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 429550   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 372023   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 172180   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 153118   | 54.63  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.26% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 112700   | 48.34  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.68%  |           |
| 50) Toluene-d8              | 10.32 | 98   | 437355   | 42.78  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.56%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 169389   | 45.53  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.06%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 4.12  | 43   | 39460    | 52.546 | ug/l    | Qvalue 96 |

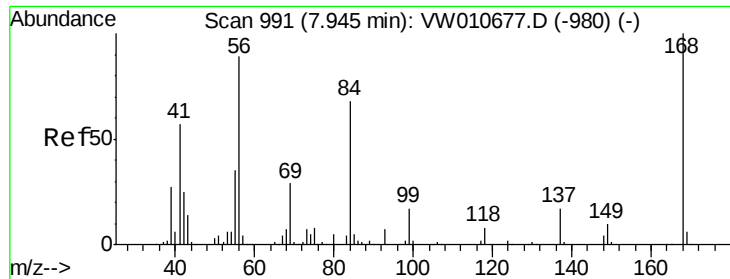
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061919\  
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ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
FK-SF-03-008-B

Quant Time: Jun 20 07:22:34 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W060419S.M  
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# 991

Delta R.T. 0.00 min

Lab File: VW010872.D

Acq: 20 Jun 2019 03:34

Instrument :

MSVOA\_W

ClientSampleId :

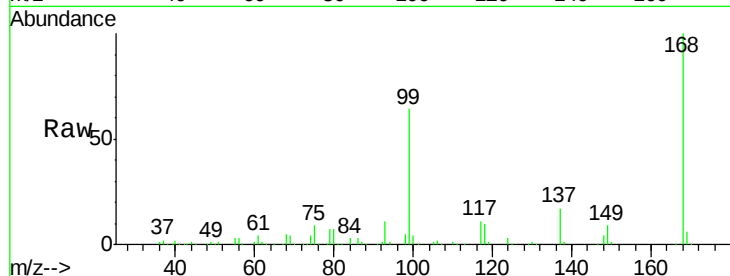
FK-SF-03-008-B

Tot Ion:168 Resp: 237780

Ion Ratio Lower Upper

168 100

99 63.9 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

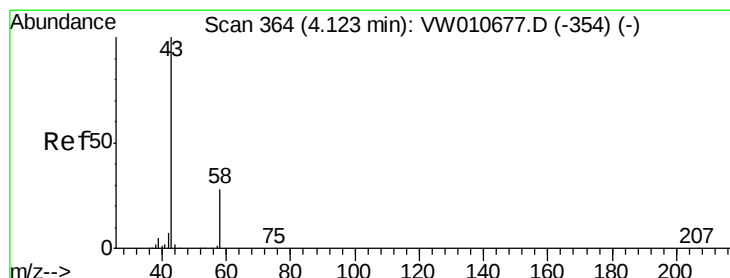
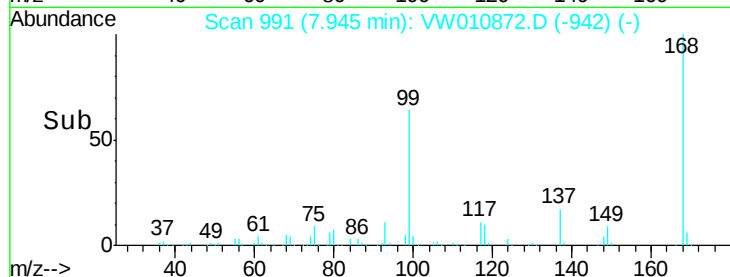
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 52.546 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010872.D

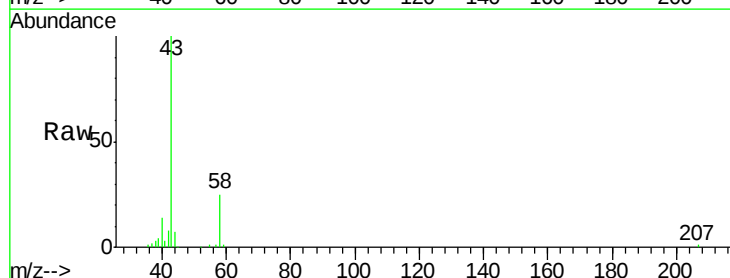
Acq: 20 Jun 2019 03:34

Tgt Ion: 43 Resp: 39460

Ion Ratio Lower Upper

43 100

58 25.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

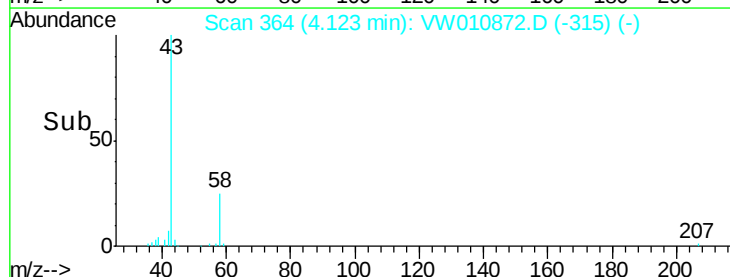
15000

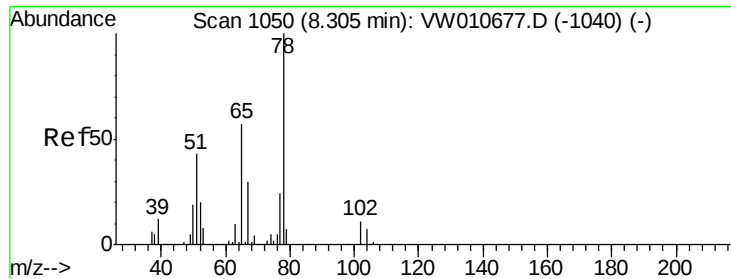
10000

5000

0

Time-->

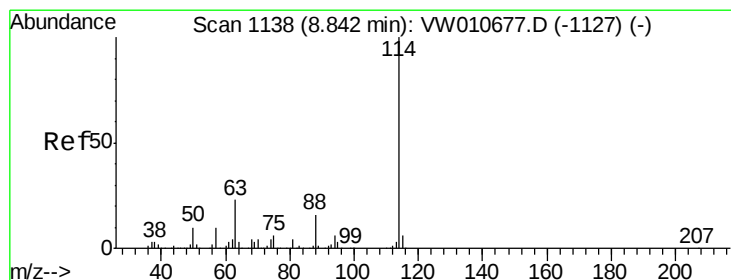
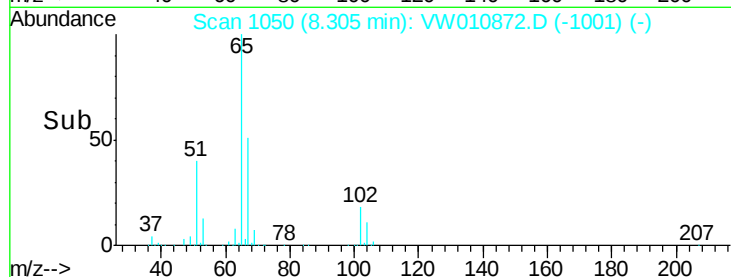
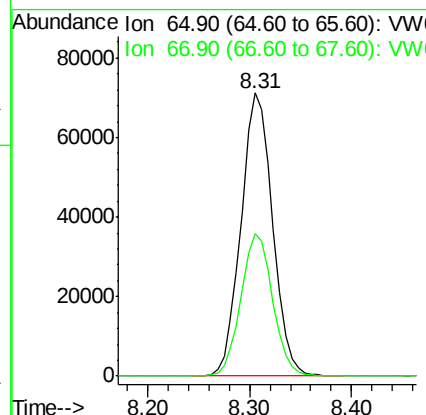
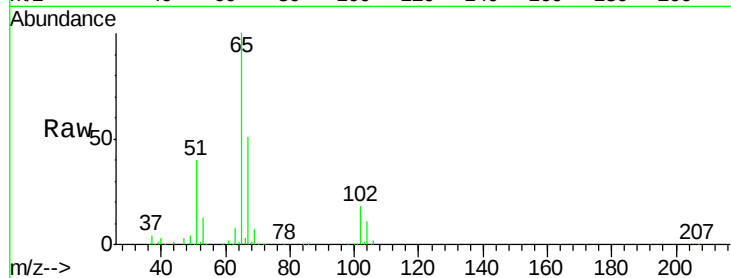




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.634 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW010872.D  
 Acq: 20 Jun 2019 03:34

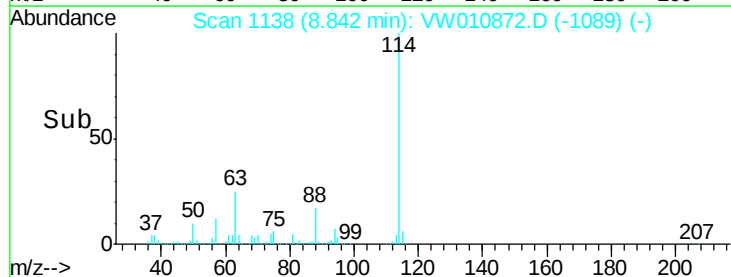
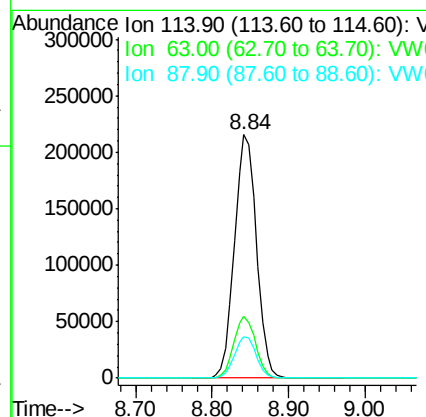
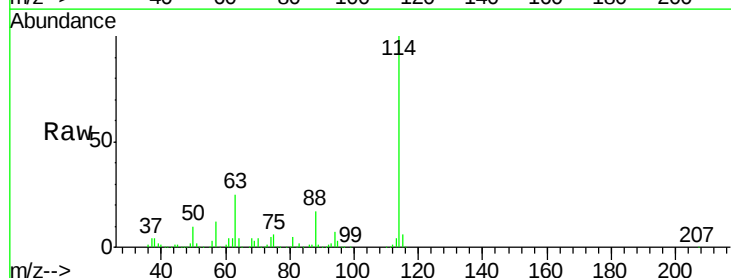
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FK-SF-03-008-B

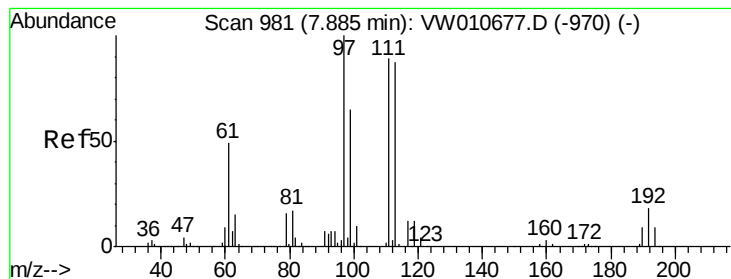
Tot Ion: 65 Resp: 153118  
 Ion Ratio Lower Upper  
 65 100  
 67 50.7 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW010872.D  
 Acq: 20 Jun 2019 03:34

Tgt Ion: 114 Resp: 429550  
 Ion Ratio Lower Upper  
 114 100  
 63 25.4 0.0 46.4  
 88 17.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.338 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010872.D

Acq: 20 Jun 2019 03:34

Instrument :

MSVOA\_W

ClientSampleId :

FK-SF-03-008-B

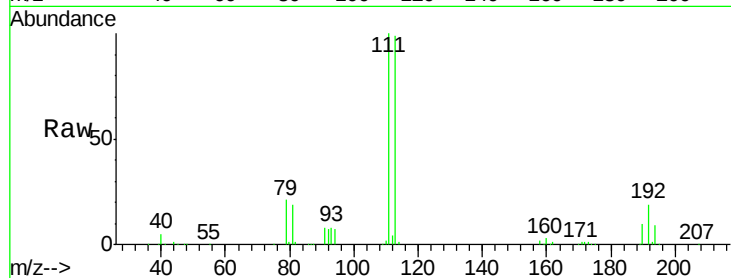
Tot Ion:113 Resp: 112700

Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

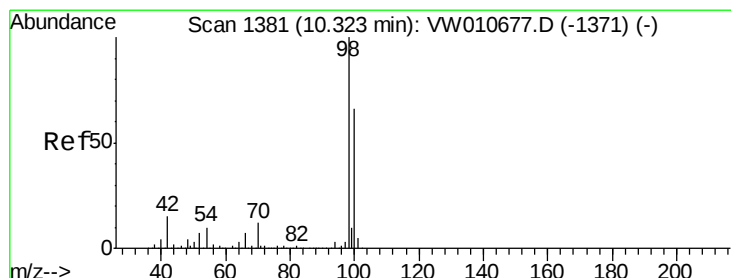
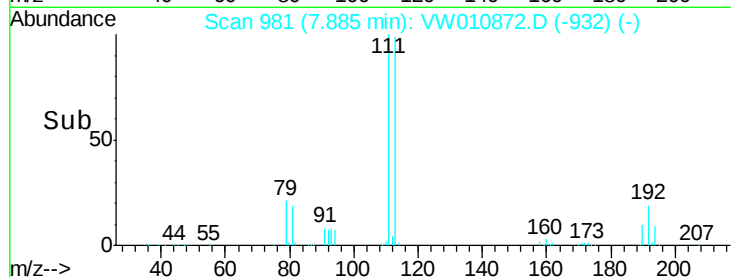
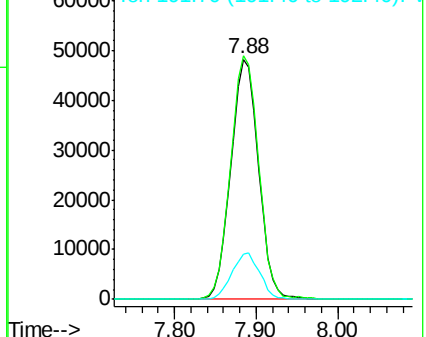
192 19.4 16.4 24.6



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: 42.778 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010872.D

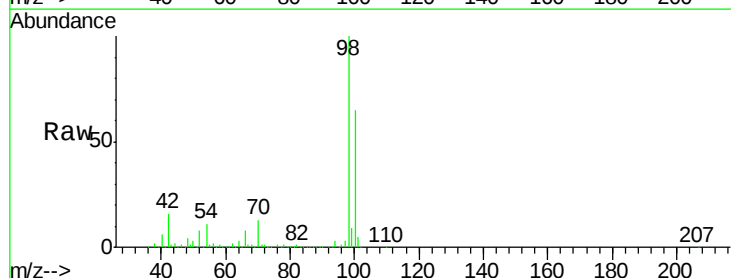
Acq: 20 Jun 2019 03:34

Tgt Ion: 98 Resp: 437355

Ion Ratio Lower Upper

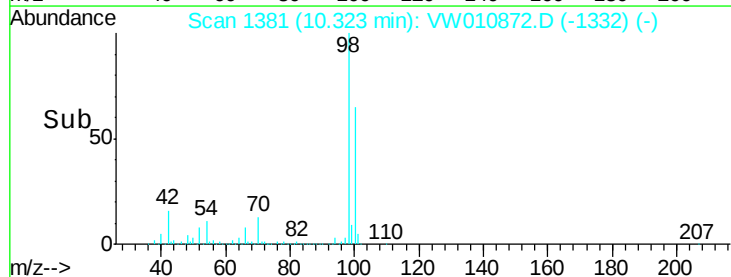
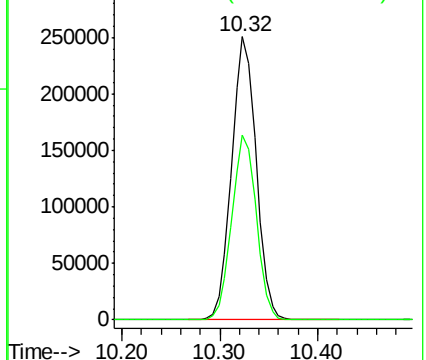
98 100

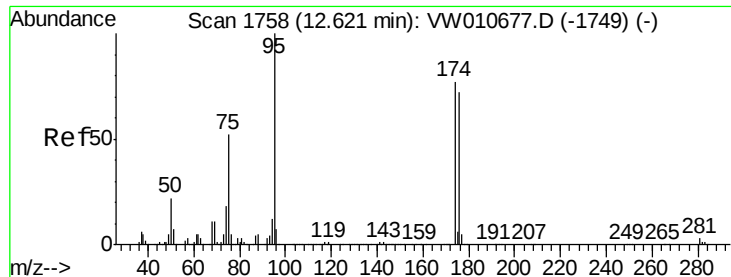
100 65.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

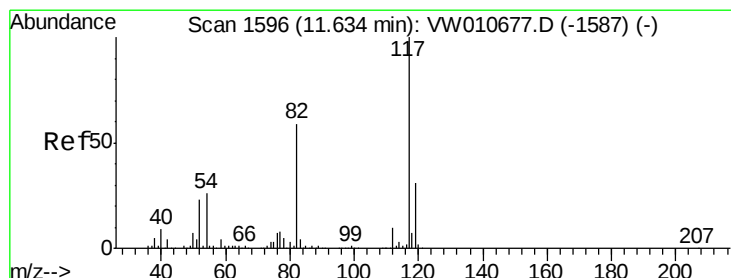
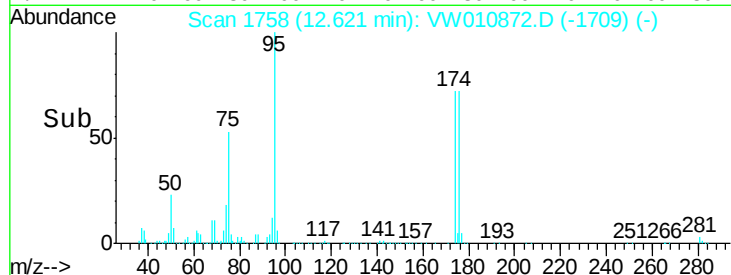
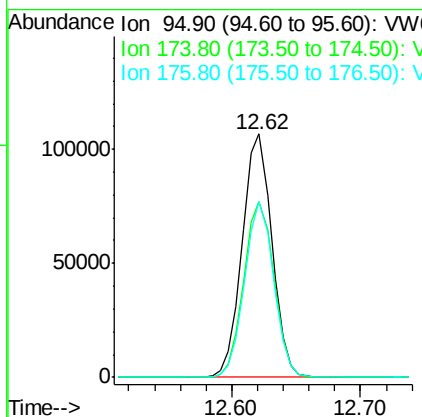
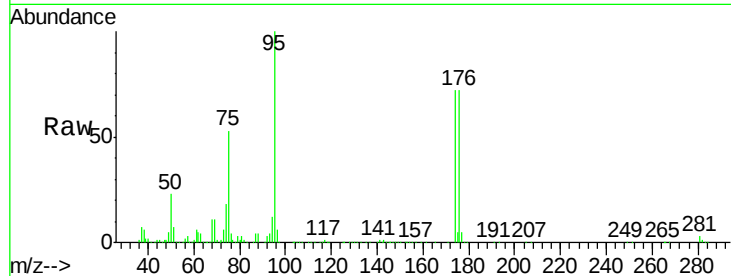




#62  
4-Bromofluorobenzene  
Concen: 45.530 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW010872.D  
Acq: 20 Jun 2019 03:34

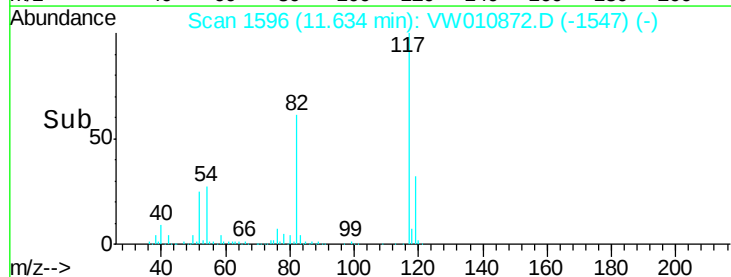
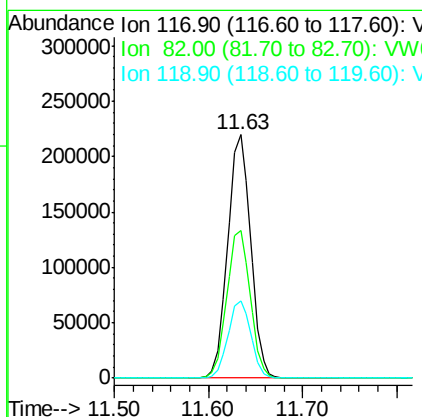
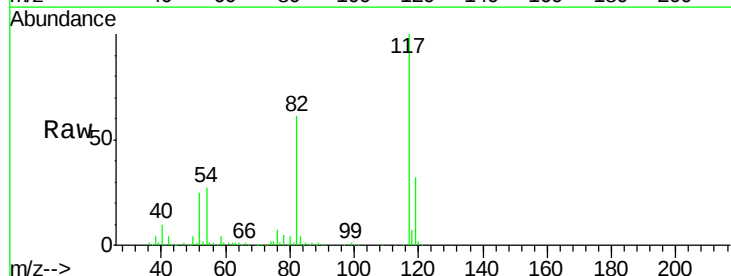
Instrument :  
MSVOA\_W  
ClientSampleId :  
FK-SF-03-008-B

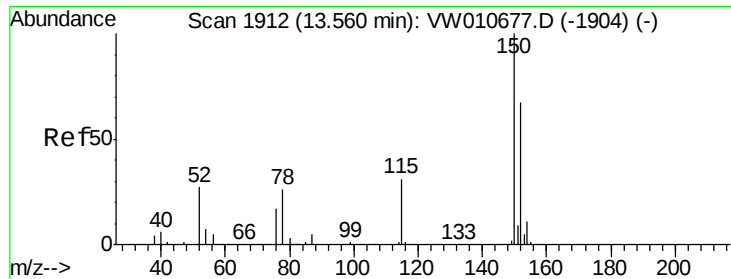
Tot Ion: 95 Resp: 169389  
Ion Ratio Lower Upper  
95 100  
174 73.8 0.0 150.4  
176 70.9 0.0 144.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW010872.D  
Acq: 20 Jun 2019 03:34

Tgt Ion: 117 Resp: 372023  
Ion Ratio Lower Upper  
117 100  
82 60.7 47.0 70.4  
119 31.7 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: VW010872.D

Acq: 20 Jun 2019 03:34

Instrument :

MSVOA\_W

ClientSampleId :

FK-SF-03-008-B

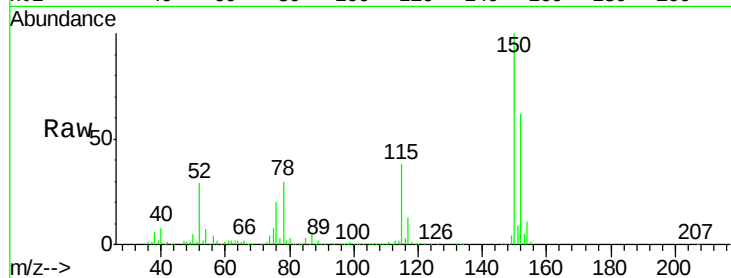
Tot Ion:152 Resp: 172180

Ion Ratio Lower Upper

152 100

115 60.4 29.8 89.3

150 158.4 0.0 345.0



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

