

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100319\  
 Data File : VW013420.D  
 Acq On : 03 Oct 2019 15:44  
 Operator : SY/VA  
 Sample : K5143-01  
 Misc : 2.49G/5ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 NB-08-100219

Quant Time: Oct 04 09:38:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W100119S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 02 11:49:57 2019  
 Response via : Initial Calibration

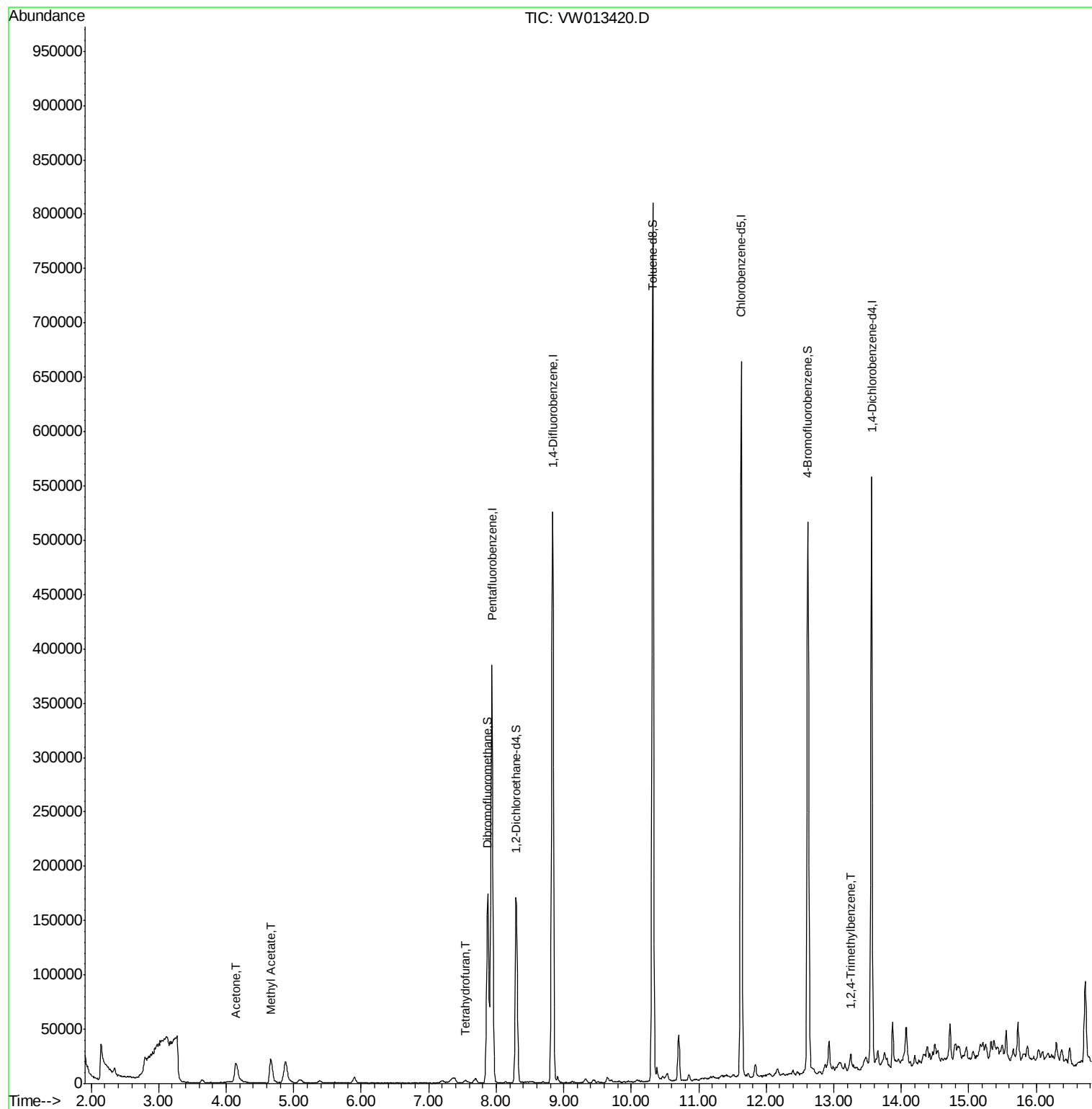
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.93  | 168  | 319343   | 50.00  | ug/l    | -0.01    |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 472856   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 393186   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 155938   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 133703   | 56.07  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.14% |          |
| 35) Dibromofluoromethane    | 7.87  | 113  | 127672   | 51.46  | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.92% |          |
| 50) Toluene-d8              | 10.32 | 98   | 553243   | 53.73  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.46% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 159481   | 46.38  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.76%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.14  | 43   | 43891    | 60.052 | ug/l    | 99       |
| 18) Methyl Acetate          | 4.66  | 43   | 44598    | 26.071 | ug/l    | 99       |
| 29) Tetrahydrofuran         | 7.54  | 42   | 2781     | 14.608 | ug/l    | 96       |
| 84) 1,2,4-Trimethylbenzene  | 13.25 | 105  | 9583     | 1.017  | ug/l    | 98       |

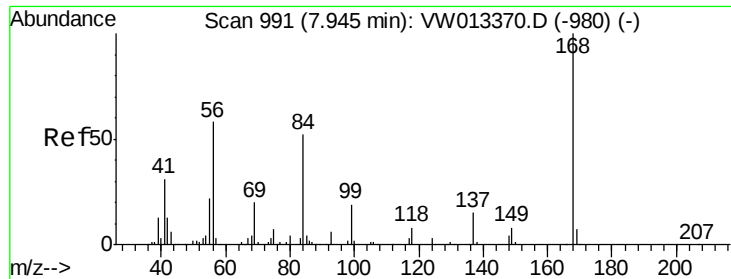
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100319\  
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Quant Title : SW846 8260  
QLast Update : Wed Oct 02 11:49:57 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.93 min Scan# 989

Delta R.T. -0.01 min

Lab File: VW013420.D

Acq: 03 Oct 2019 15:44

Instrument :

MSVOA\_W

ClientSampleId :

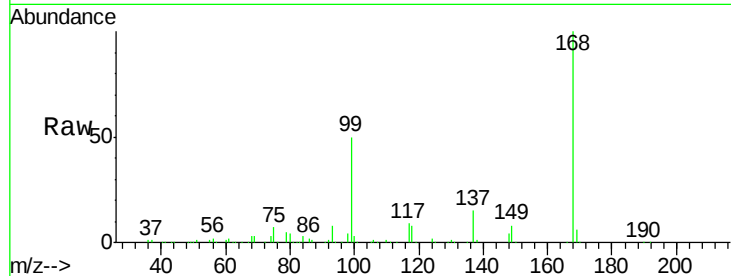
NB-08-100219

Tot Ion:168 Resp: 319343

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.93

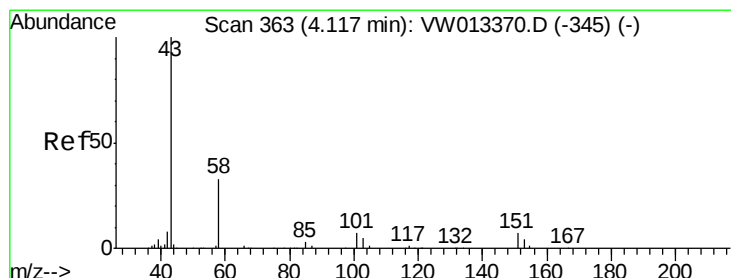
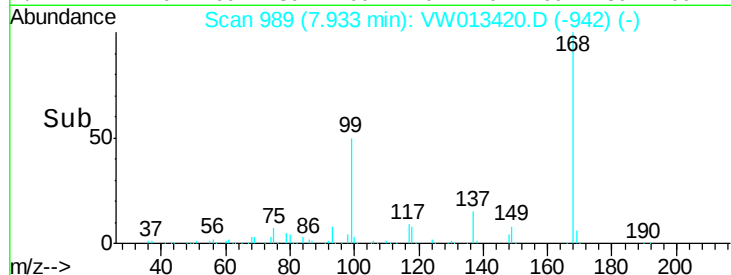
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 60.052 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW013420.D

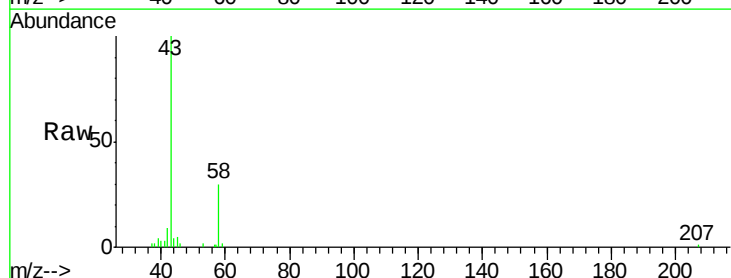
Acq: 03 Oct 2019 15:44

Tgt Ion: 43 Resp: 43891

Ion Ratio Lower Upper

43 100

58 30.9 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

12000

10000

8000

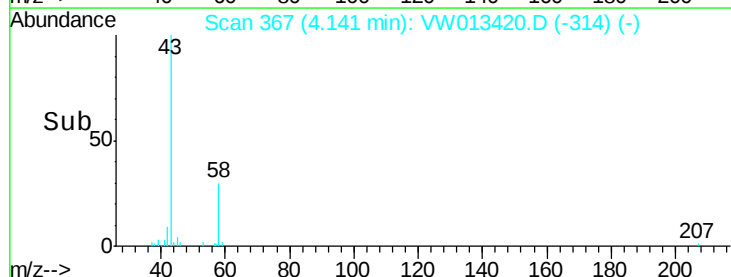
6000

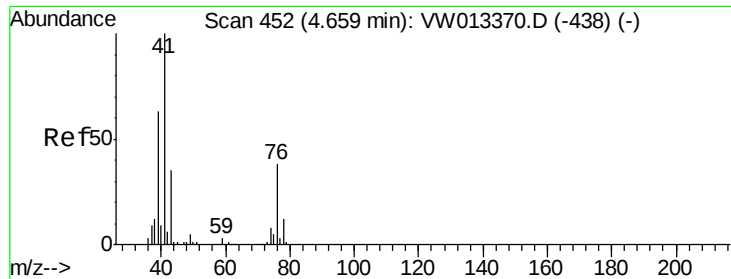
4000

2000

0

Time--> 4.00 4.10 4.20 4.30 4.40

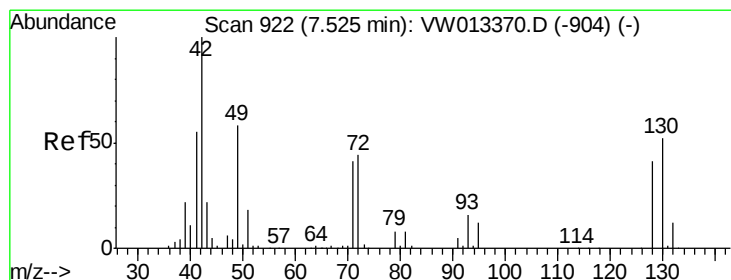
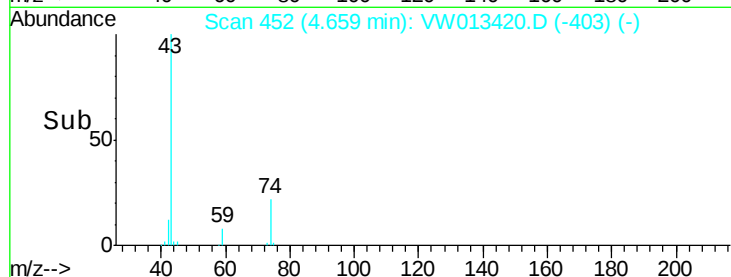
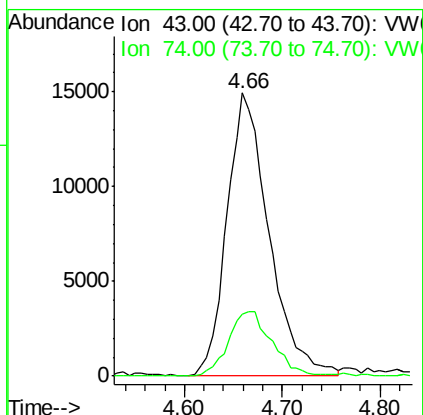
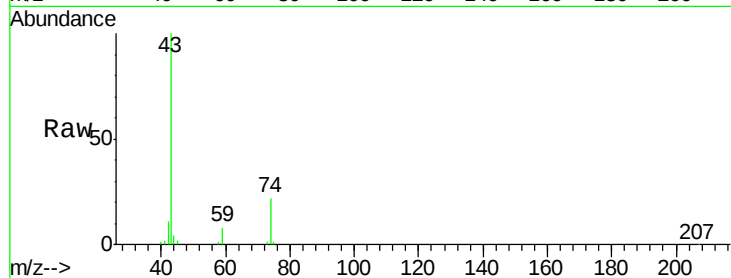




#18  
Methvl Acetate  
Concen: 26.071 ug/l  
RT: 4.66 min Scan# 452  
Delta R.T. 0.00 min  
Lab File: VW013420.D  
Acq: 03 Oct 2019 15:44

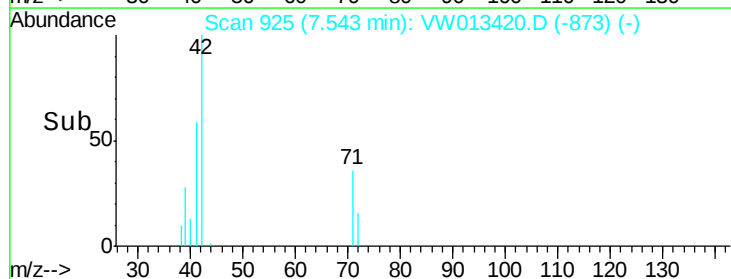
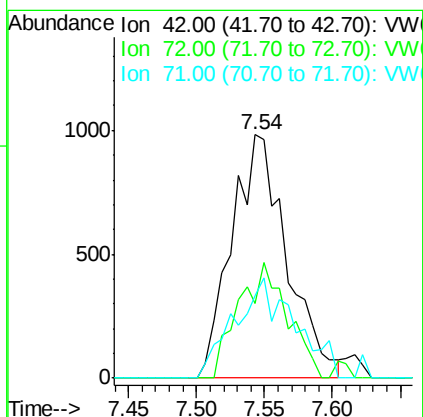
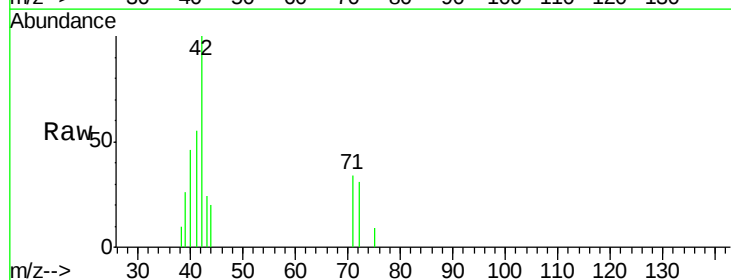
Instrument :  
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NB-08-100219

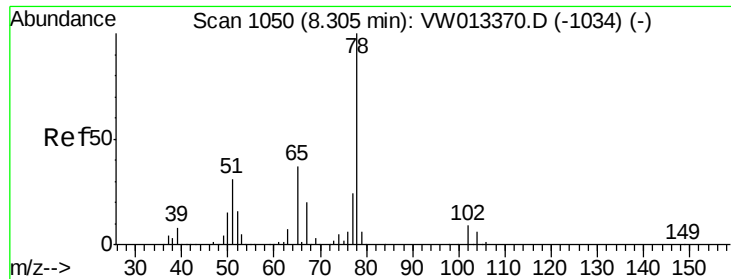
Tot Ion: 43 Resp: 44598  
Ion Ratio Lower Upper  
43 100  
74 23.4 19.3 28.9



#29  
Tetrahydrofuran  
Concen: 14.608 ug/l  
RT: 7.54 min Scan# 925  
Delta R.T. 0.02 min  
Lab File: VW013420.D  
Acq: 03 Oct 2019 15:44

Tgt Ion: 42 Resp: 2781  
Ion Ratio Lower Upper  
42 100  
72 42.0 33.9 50.9  
71 45.1 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 56.073 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013420.D

Acq: 03 Oct 2019 15:44

Instrument :

MSVOA\_W

ClientSampleId :

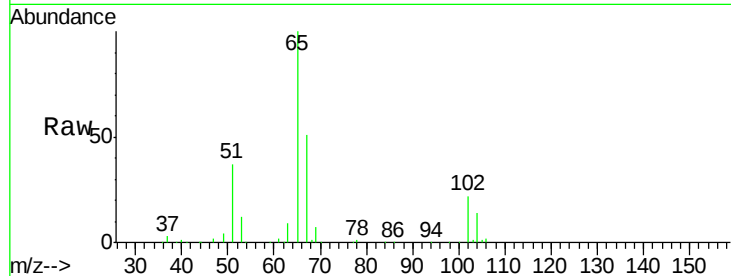
NB-08-100219

Tot Ion: 65 Resp: 133703

Ion Ratio Lower Upper

65 100

67 53.4 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

60000

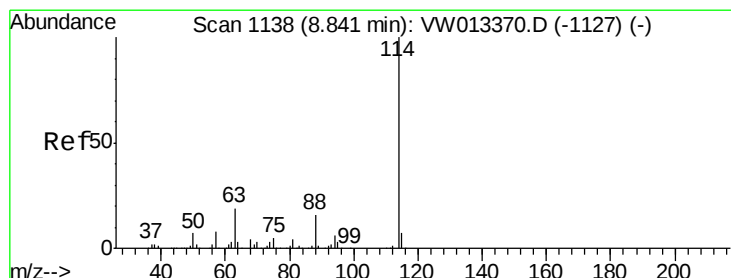
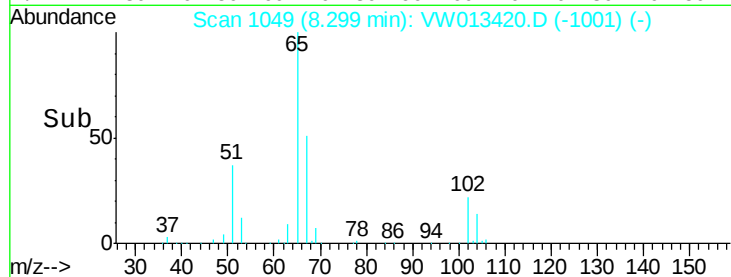
40000

20000

0

Time-->

8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW013420.D

Acq: 03 Oct 2019 15:44

Tgt Ion: 114 Resp: 472856

Ion Ratio Lower Upper

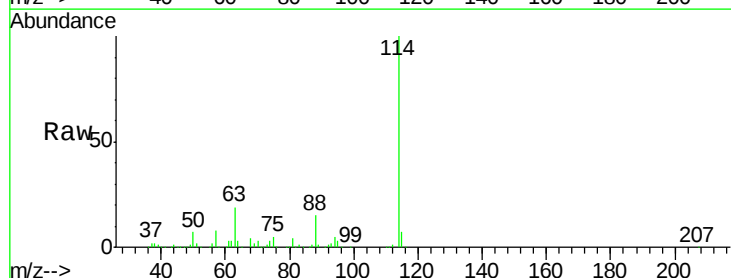
114 100

63 19.3

0.0 41.4

88 14.7

0.0 32.0



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

300000

250000

200000

150000

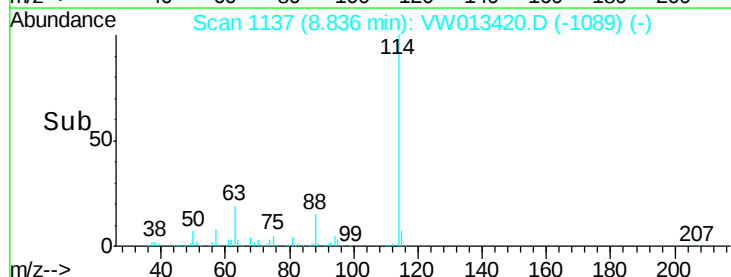
100000

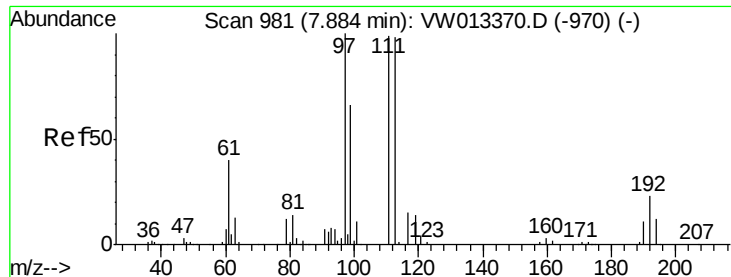
50000

0

Time-->

8.80 8.90

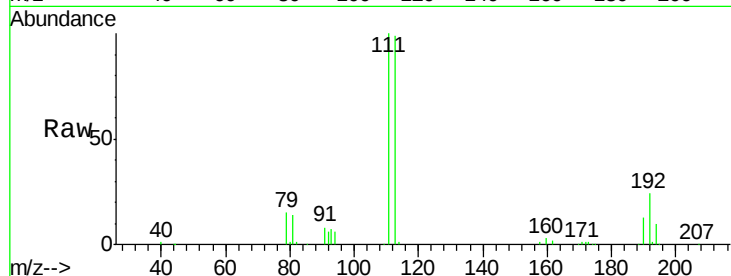




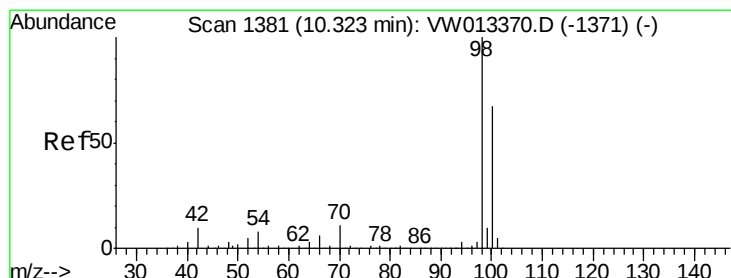
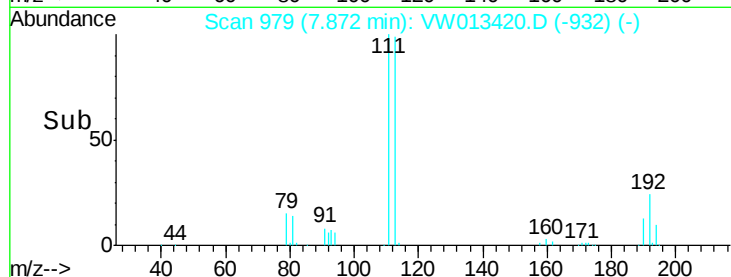
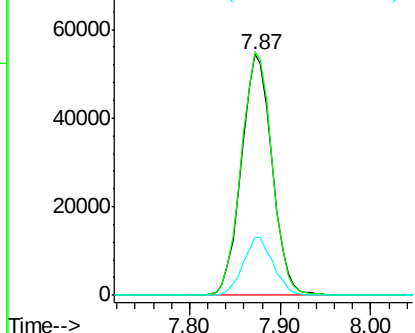
#35  
Dibromofluoromethane  
Concen: 51.456 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. -0.01 min  
Lab File: VW013420.D  
Acq: 03 Oct 2019 15:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
NB-08-100219

Tot Ion:113 Resp: 127672  
Ion Ratio Lower Upper  
113 100  
111 101.4 81.9 122.9  
192 23.4 19.1 28.7

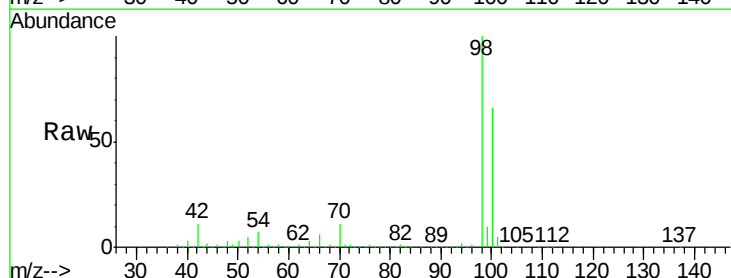


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

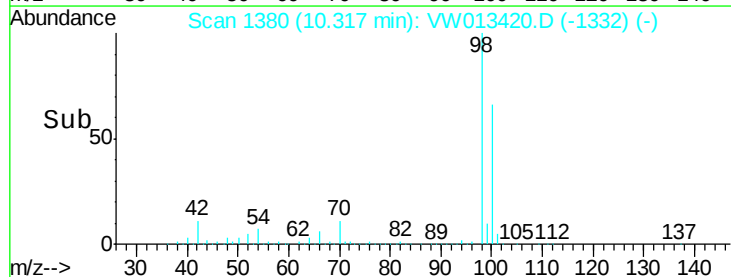
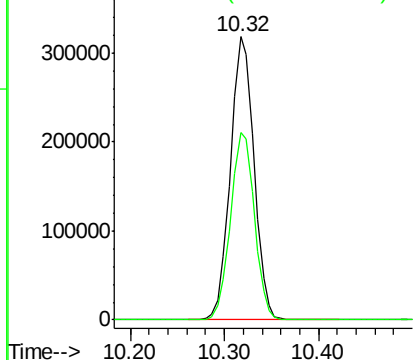


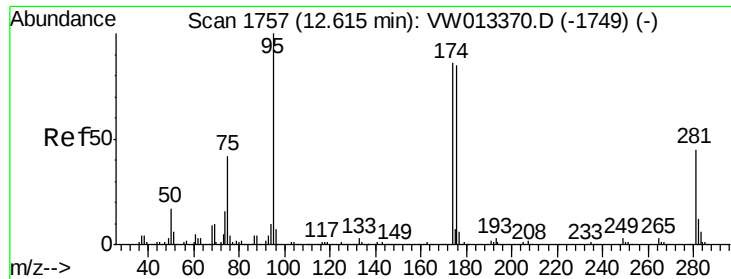
#50  
Toluene-d8  
Concen: 53.731 ug/l  
RT: 10.32 min Scan# 1380  
Delta R.T. -0.01 min  
Lab File: VW013420.D  
Acq: 03 Oct 2019 15:44

Tgt Ion: 98 Resp: 553243  
Ion Ratio Lower Upper  
98 100  
100 67.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW  
Ion 100.00 (99.70 to 100.70): VW

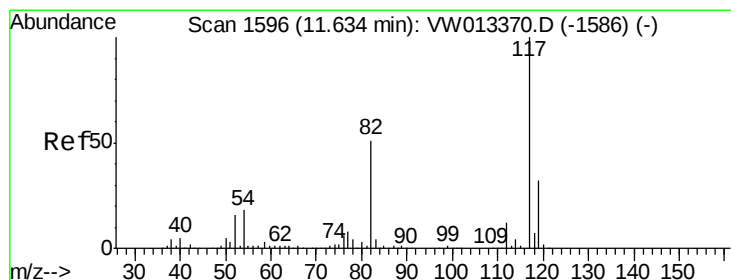
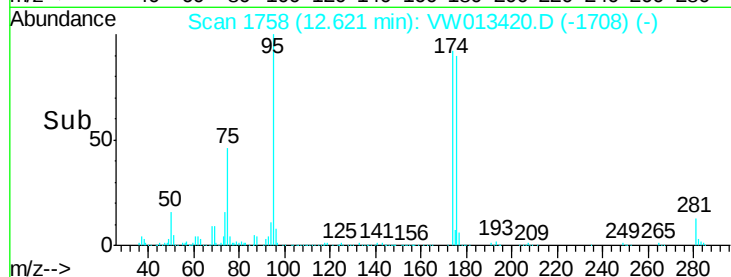
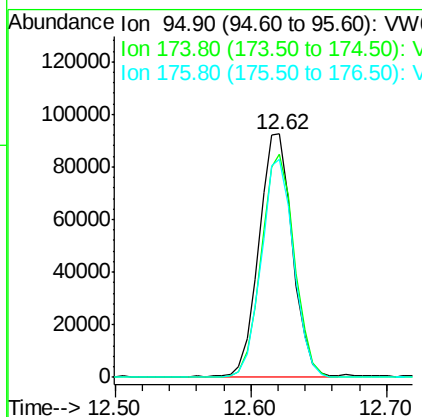
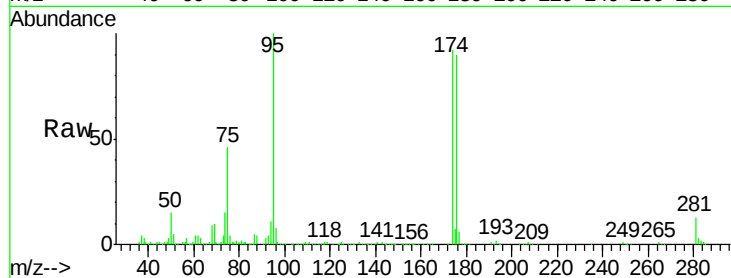




#62  
4-Bromofluorobenzene  
Concen: 46.383 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.01 min  
Lab File: VW013420.D  
Acq: 03 Oct 2019 15:44

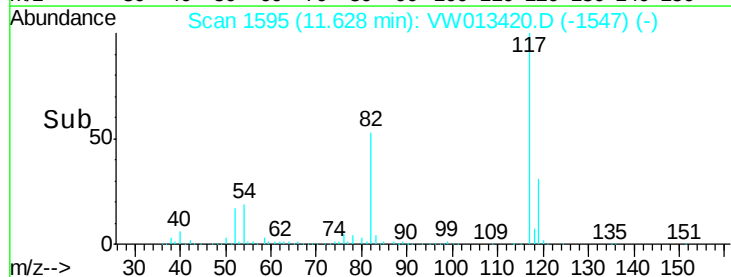
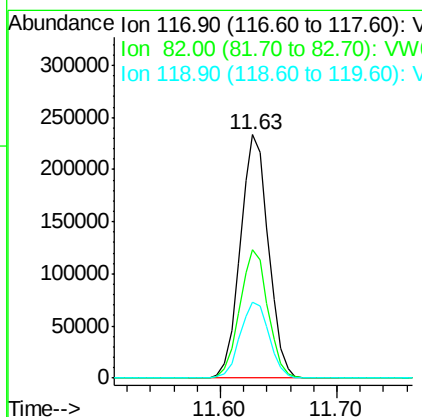
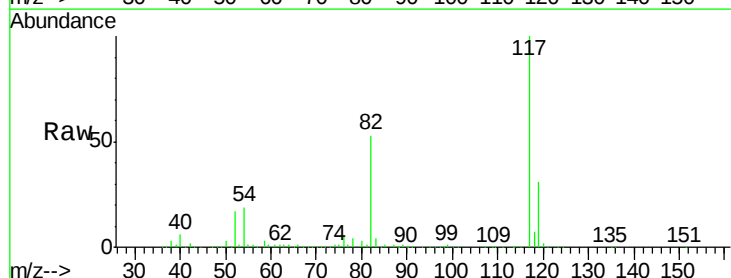
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ClientSampleId :  
NB-08-100219

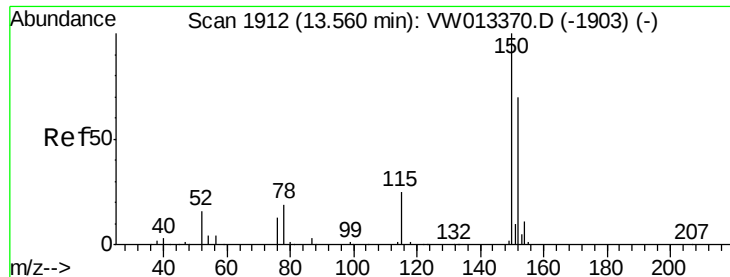
Tot Ion: 95 Resp: 159481  
Ion Ratio Lower Upper  
95 100  
174 90.7 0.0 178.4  
176 87.2 0.0 172.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW013420.D  
Acq: 03 Oct 2019 15:44

Tgt Ion: 117 Resp: 393186  
Ion Ratio Lower Upper  
117 100  
82 52.5 45.9 68.9  
119 31.2 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013420.D

Acq: 03 Oct 2019 15:44

Instrument :

MSVOA\_W

ClientSampleId :

NB-08-100219

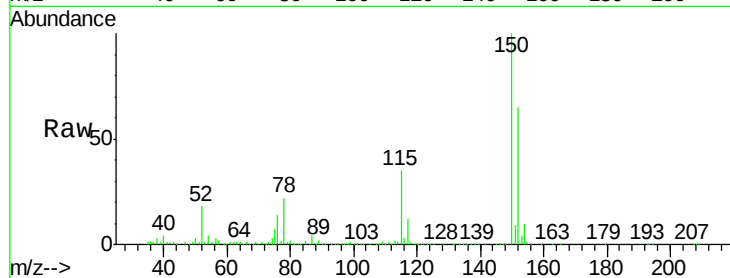
Tot Ion:152 Resp: 155938

Ion Ratio Lower Upper

152 100

115 54.1 27.3 81.9

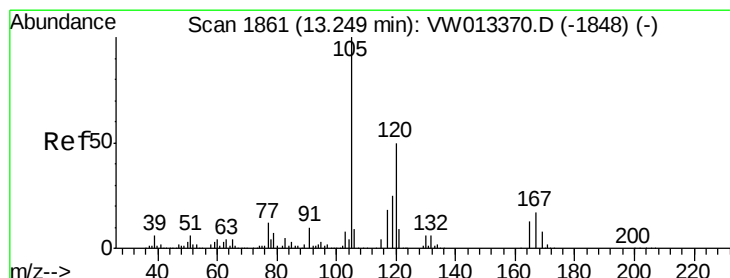
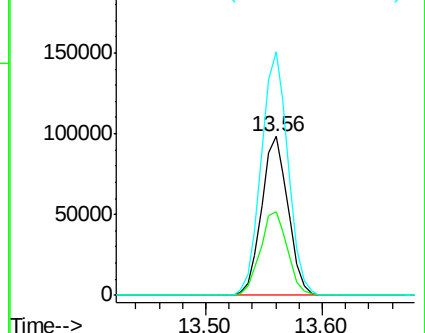
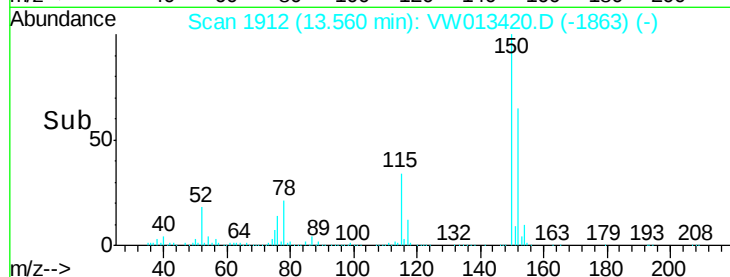
150 155.4 0.0 349.0



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



#84

1,2,4-Trimethylbenzene

Concen: 1.017 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW013420.D

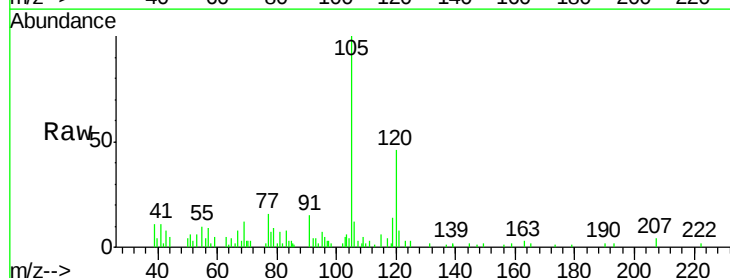
Acq: 03 Oct 2019 15:44

Tgt Ion:105 Resp: 9583

Ion Ratio Lower Upper

105 100

120 45.8 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

