

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121318\  
 Data File : VW007430.D  
 Acq On : 12 Dec 2018 08:15  
 Operator : SY/AP  
 Sample : J6322-06  
 Misc : 7.15G/5ML/MSVOA W/SOIL  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SUP-5A-G-1-120718

Quant Time: Dec 12 11:22:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 11 02:58:16 2018  
 Response via : Initial Calibration

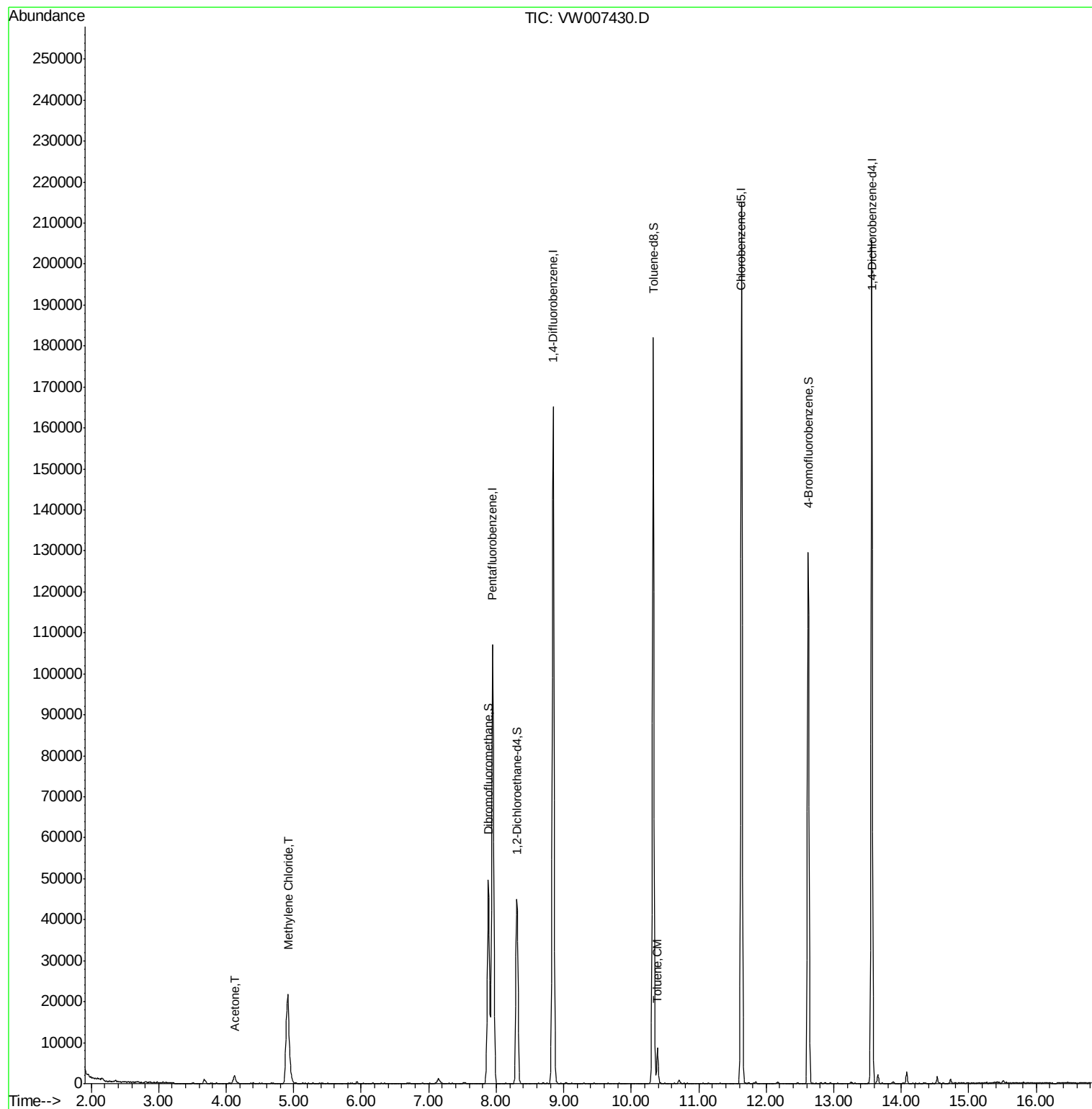
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 77864    | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 138955   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 121072   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 53484    | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 38067    | 44.07  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.14% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 36162    | 42.99  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.98% |          |
| 50) Toluene-d8              | 10.32 | 98   | 122563   | 38.86  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 77.72% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 44179    | 38.10  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 76.20% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 4.12  | 43   | 3269     | 21.665 | ug/l # | 87       |
| 20) Methylene Chloride      | 4.92  | 84   | 18557    | 20.151 | ug/l   | 99       |
| 52) Toluene                 | 10.39 | 92   | 3756     | 1.650  | ug/l   | 94       |

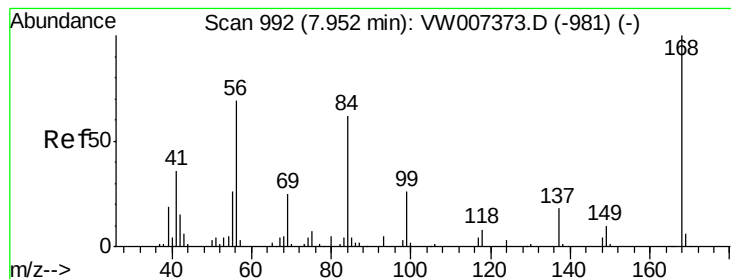
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121318\  
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SUP-5A-G-1-120718

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Quant Title : SW846 8260  
QLast Update : Tue Dec 11 02:58:16 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007430.D

Acq: 12 Dec 2018 08:15

Instrument :

MSVOA\_W

ClientSampleId :

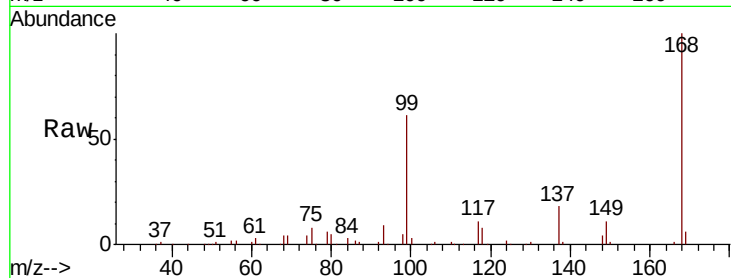
SUP-5A-G-1-120718

Tot Ion:168 Resp: 77864

Ion Ratio Lower Upper

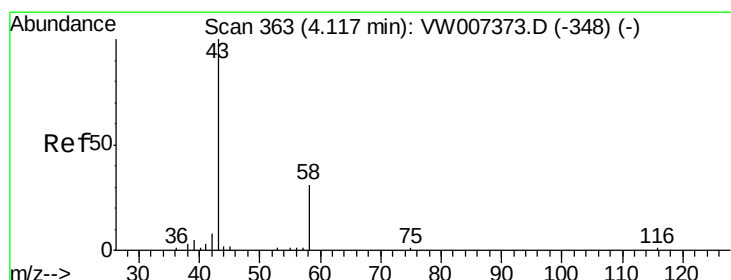
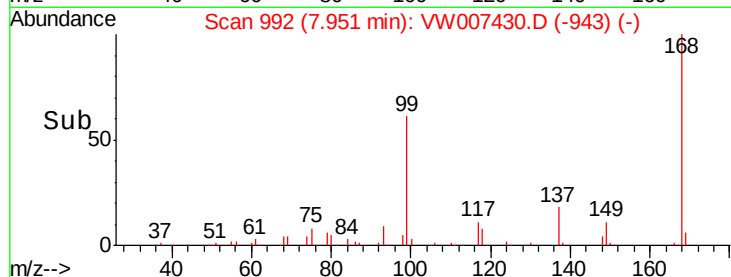
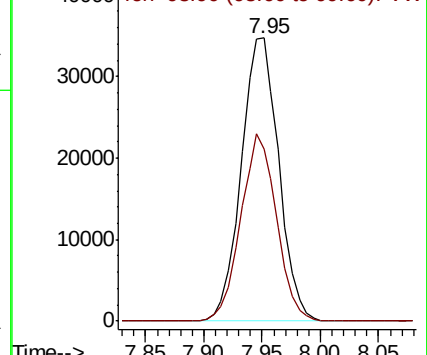
168 100

99 60.8 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 21.665 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007430.D

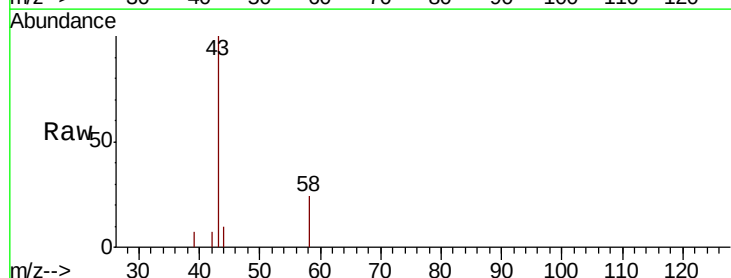
Acq: 12 Dec 2018 08:15

Tgt Ion: 43 Resp: 3269

Ion Ratio Lower Upper

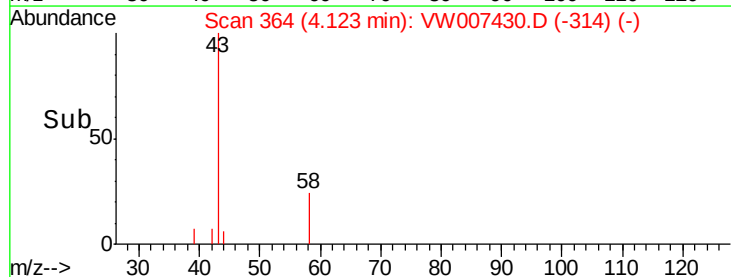
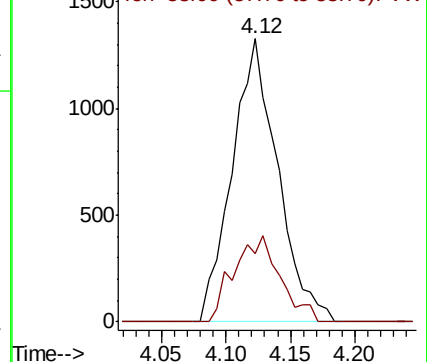
43 100

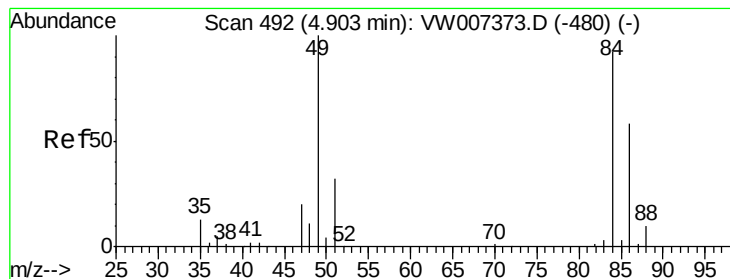
58 24.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 20.151 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007430.D

Acq: 12 Dec 2018 08:15

Instrument :

MSVOA\_W

ClientSampleId :

SUP-5A-G-1-120718

Tot Ion: 84 Resp: 18557

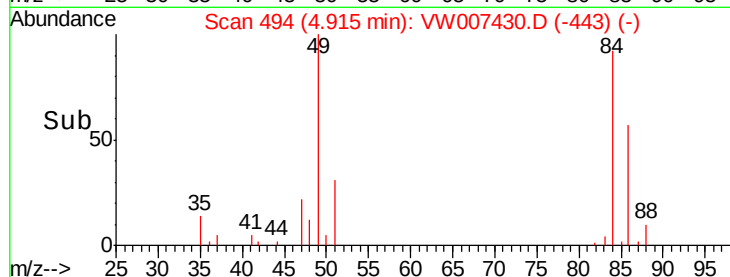
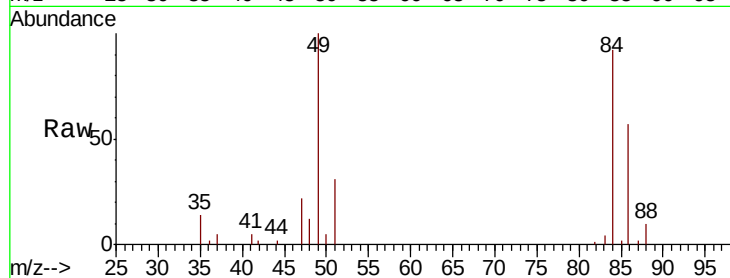
Ion Ratio Lower Upper

84 100

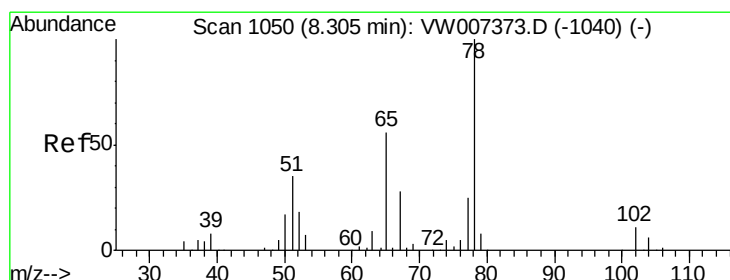
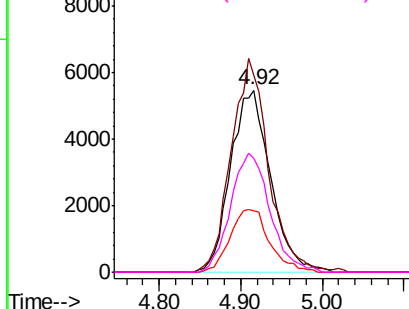
49 108.7 87.1 130.7

51 33.9 28.2 42.2

86 62.4 50.8 76.2



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



#33

1,2-Dichloroethane-d4

Concen: 44.067 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007430.D

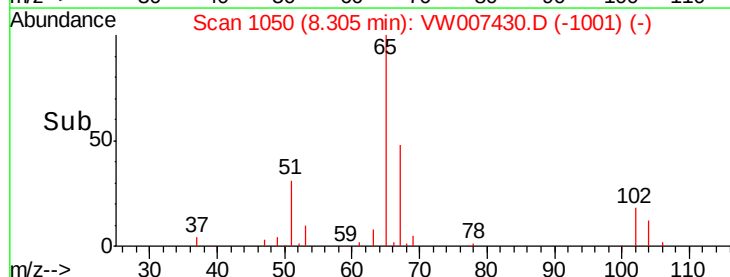
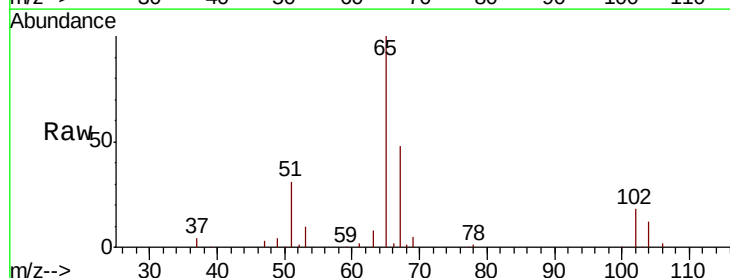
Acq: 12 Dec 2018 08:15

Tgt Ion: 65 Resp: 38067

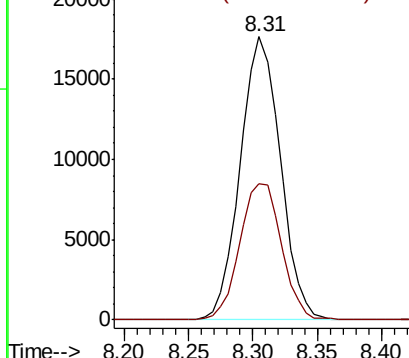
Ion Ratio Lower Upper

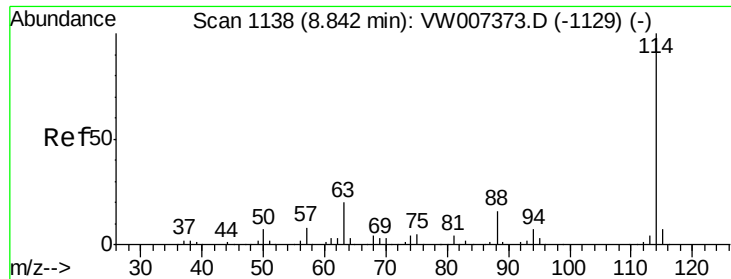
65 100

67 49.9 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VW  
Ion 66.90 (66.60 to 67.60): VW

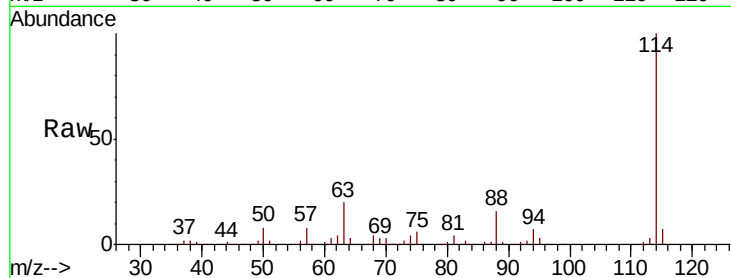




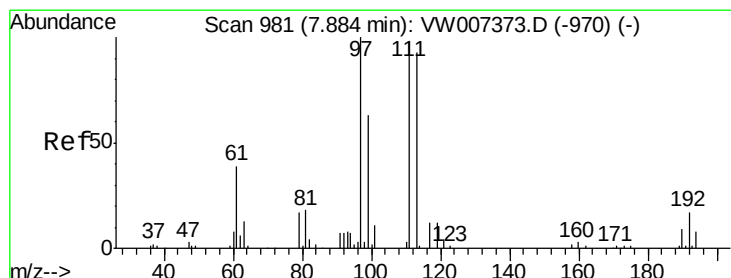
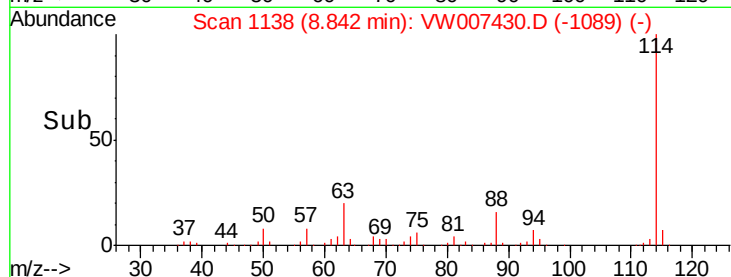
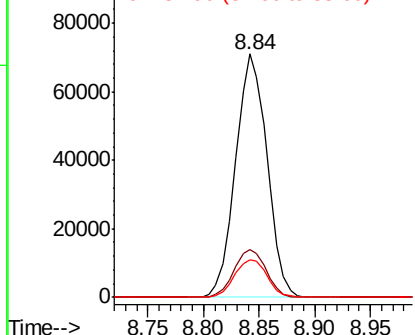
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. -0.00 min  
Lab File: VW007430.D  
Acq: 12 Dec 2018 08:15

Instrument :  
MSVOA\_W  
ClientSampleId :  
SUP-5A-G-1-120718

Tot Ion:114 Resp: 138955  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 39.6  
88 15.7 0.0 31.4

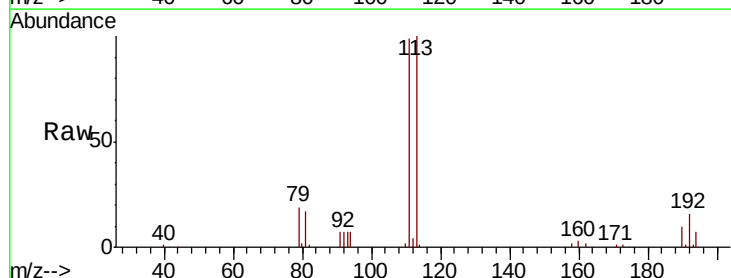


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VW  
Ion 87.90 (87.60 to 88.60): VW

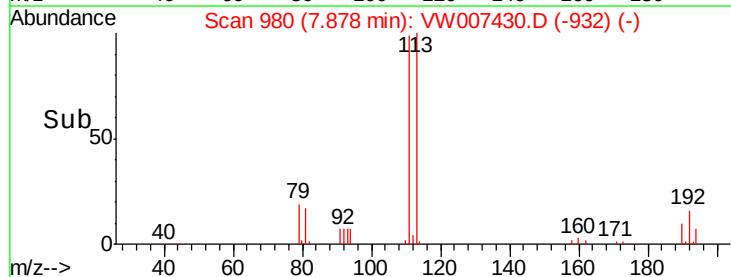
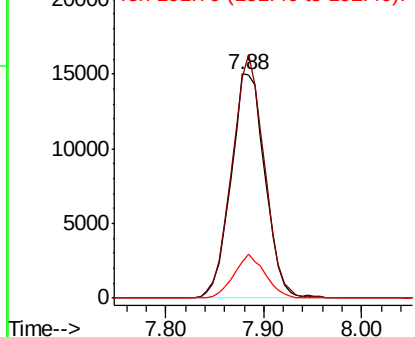


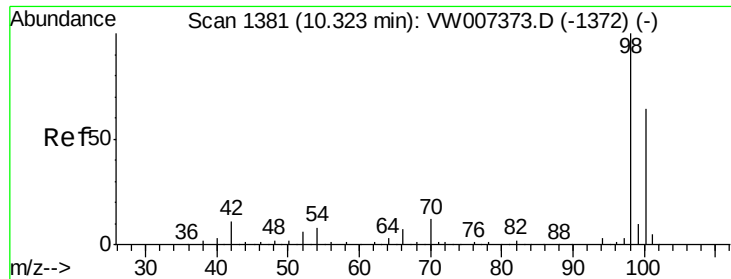
#35  
Dibromofluoromethane  
Concen: 42.991 ug/l  
RT: 7.88 min Scan# 980  
Delta R.T. -0.01 min  
Lab File: VW007430.D  
Acq: 12 Dec 2018 08:15

Tgt Ion:113 Resp: 36162  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.1 121.7  
192 17.6 14.6 21.8



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

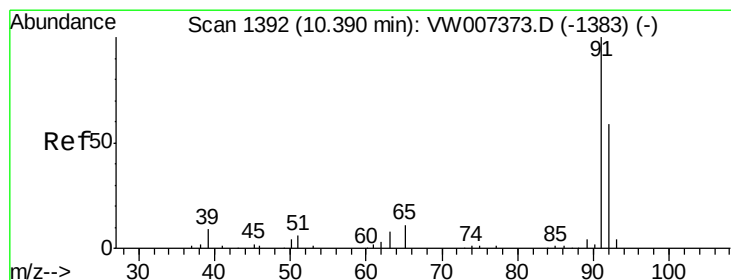
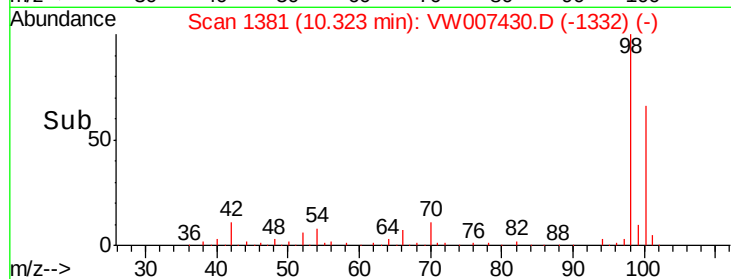
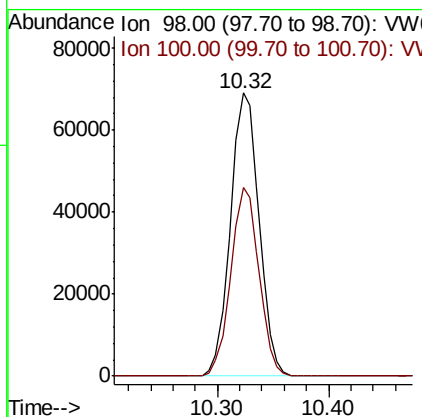
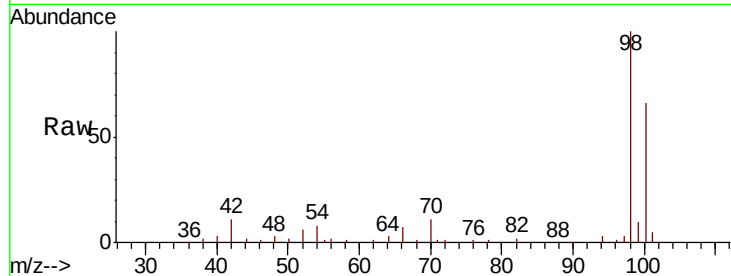




#50  
Toluene-d8  
Concen: 38.861 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW007430.D  
Acq: 12 Dec 2018 08:15

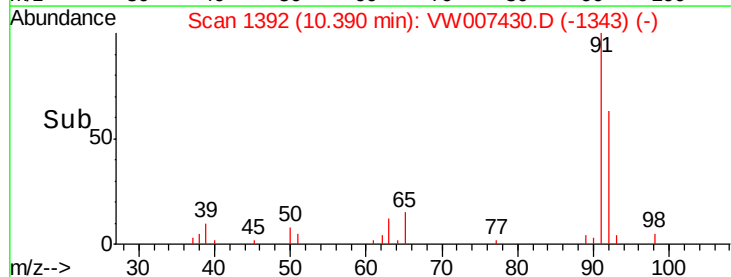
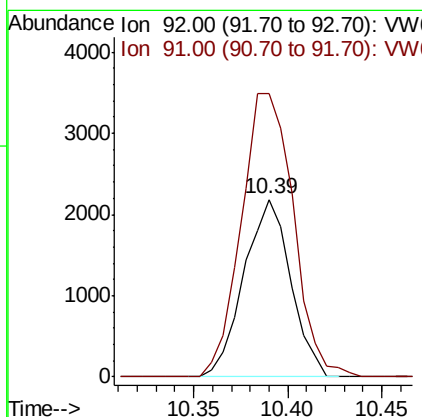
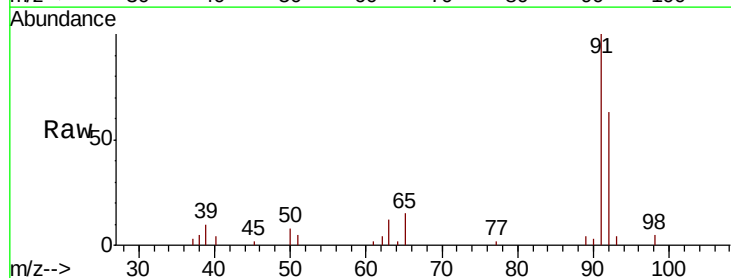
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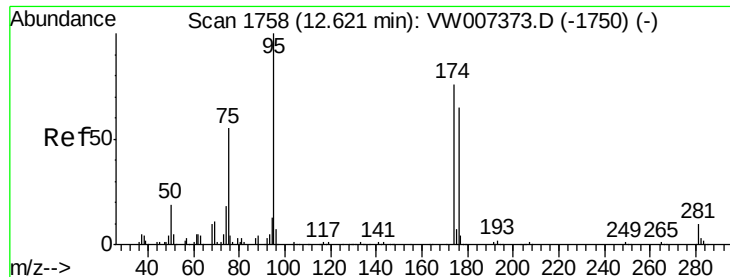
Tot Ion: 98 Resp: 122563  
Ion Ratio Lower Upper  
98 100  
100 65.5 51.8 77.8



#52  
Toluene  
Concen: 1.650 ug/l  
RT: 10.39 min Scan# 1392  
Delta R.T. -0.00 min  
Lab File: VW007430.D  
Acq: 12 Dec 2018 08:15

Tgt Ion: 92 Resp: 3756  
Ion Ratio Lower Upper  
92 100  
91 178.3 136.2 204.2

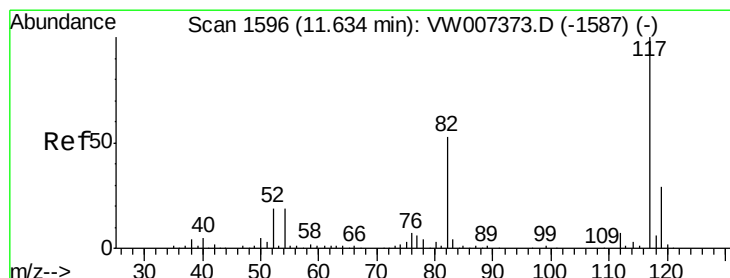
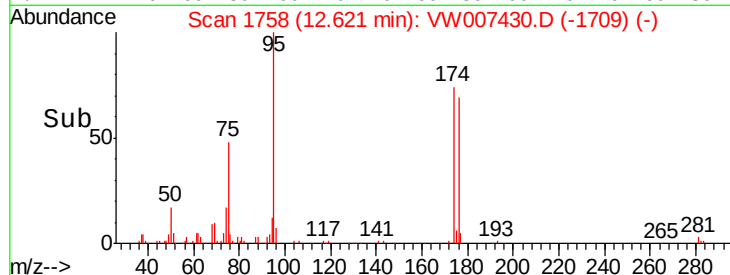
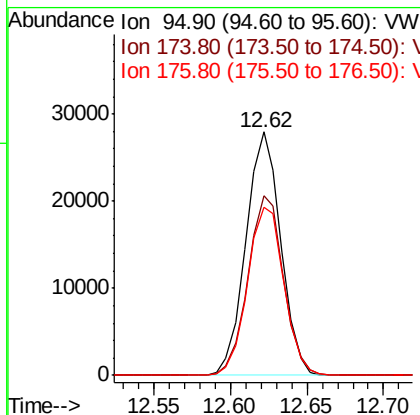
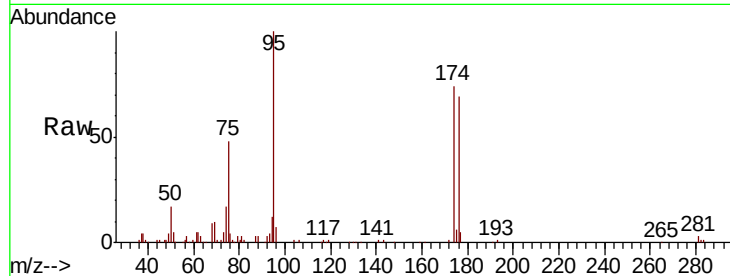




#62  
4-Bromofluorobenzene  
Concen: 38.099 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW007430.D  
Acq: 12 Dec 2018 08:15

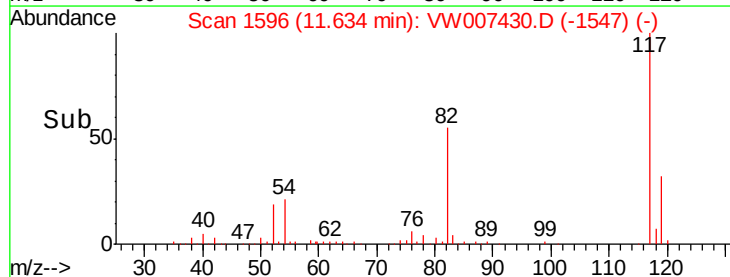
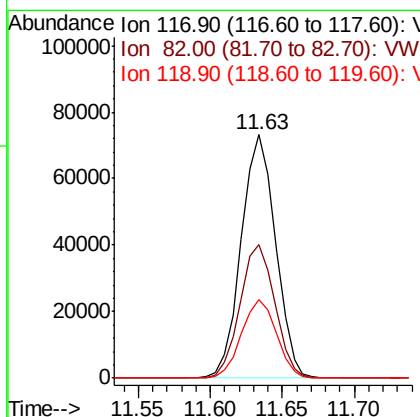
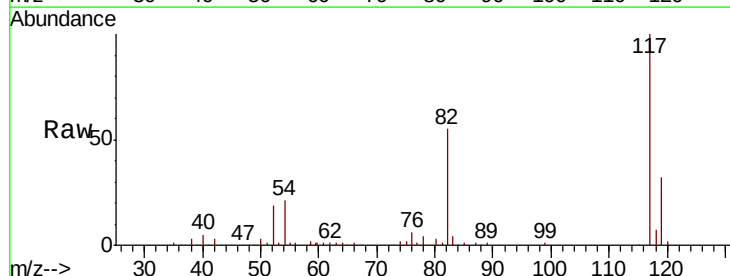
Instrument :  
MSVOA\_W  
ClientSampleId :  
SUP-5A-G-1-120718

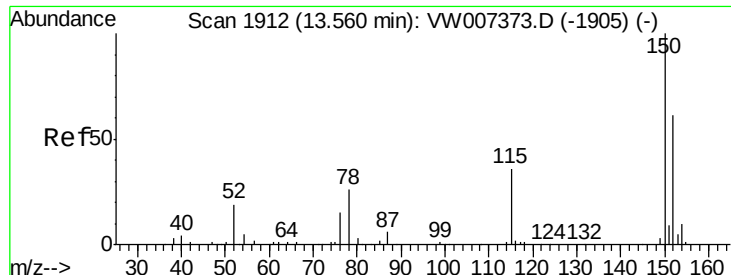
Tot Ion: 95 Resp: 44179  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 147.2  
176 72.2 0.0 138.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW007430.D  
Acq: 12 Dec 2018 08:15

Tgt Ion: 117 Resp: 121072  
Ion Ratio Lower Upper  
117 100  
82 54.6 42.3 63.5  
119 32.3 23.0 34.6

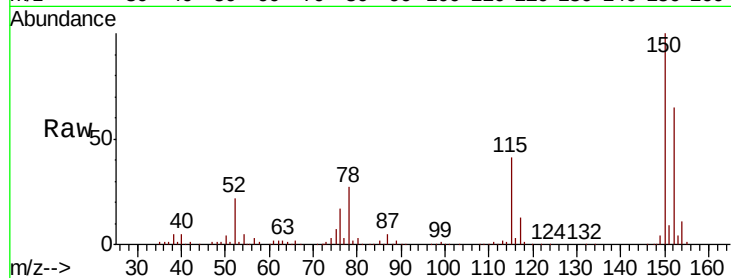




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.56 min Scan# 1912  
 Delta R.T. -0.00 min  
 Lab File: VW007430.D  
 Acq: 12 Dec 2018 08:15

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SUP-5A-G-1-120718

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.9  | 31.4  | 94.2  |
| 150     | 154.7 | 0.0   | 358.4 |



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

