

Data File : VW009024.D  
Acq On : 06 Mar 2019 19:17  
Operator : SY/VA  
Sample : K1753-05  
Misc : 4.50G/5ML/MSVOA\_W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
Z-2-6

Quant Time: Mar 07 07:50:07 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W030619S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 07 07:22:06 2019  
Response via : Initial Calibration

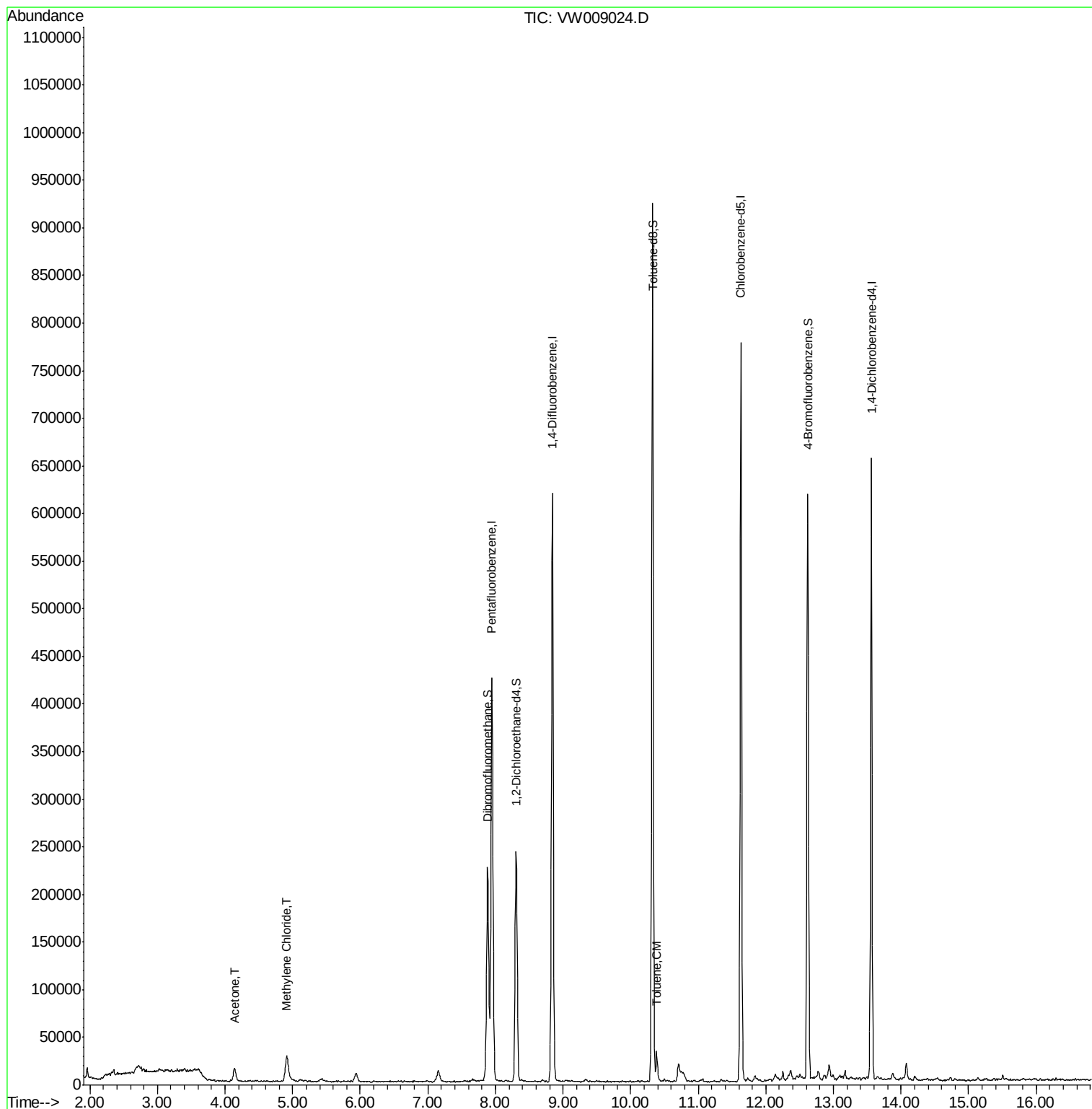
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 316806   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 496434   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 415602   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 160837   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 177243   | 55.77  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.54% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 151613   | 50.73  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.46% |          |
| 50) Toluene-d8              | 10.32 | 98   | 581558   | 47.35  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.70%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 179128   | 37.77  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 75.54%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.14  | 43   | 24896    | 38.137 | ug/l    | 91       |
| 20) Methylene Chloride      | 4.91  | 84   | 20197    | 4.139  | ug/l    | 97       |
| 52) Toluene                 | 10.38 | 92   | 11538    | 1.284  | ug/l    | 99       |

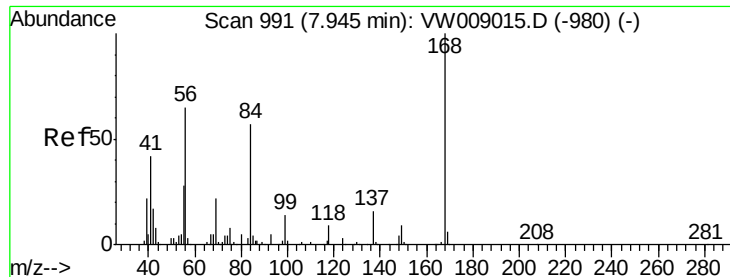
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

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Instrument :

MSVOA\_W

ClientSampleId :

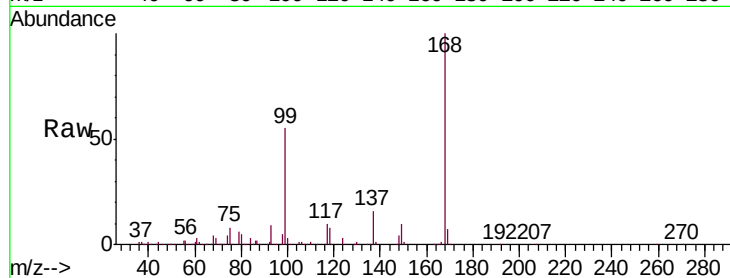
Z-2-6

Tgt Ion:168 Resp: 316806

Ion Ratio Lower Upper

168 100

99 55.3 43.5 65.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

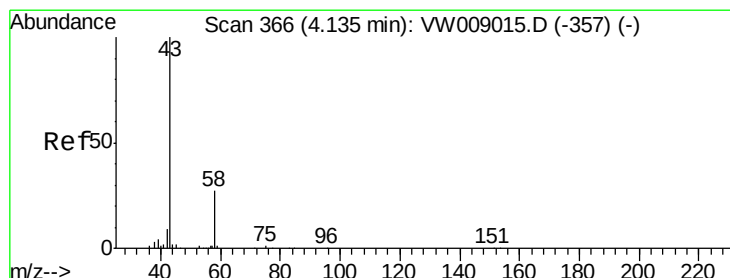
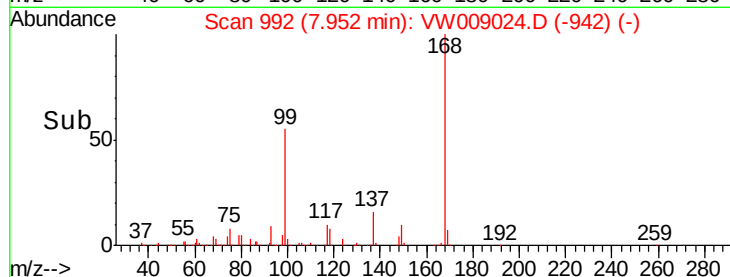
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 38.137 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW009024.D

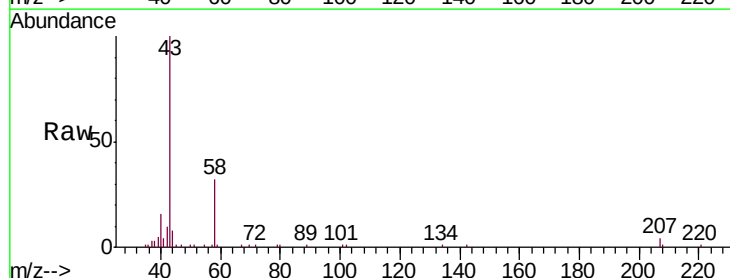
Acq: 06 Mar 2019 19:17

Tgt Ion: 43 Resp: 24896

Ion Ratio Lower Upper

43 100

58 31.7 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10000

8000

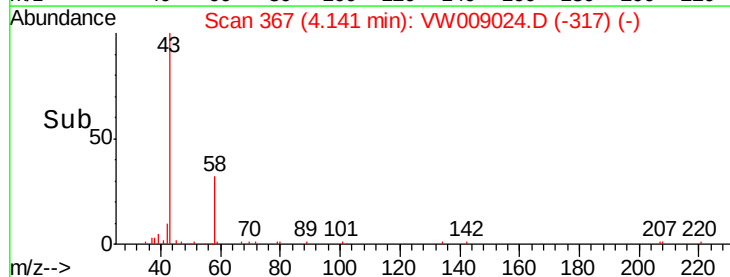
6000

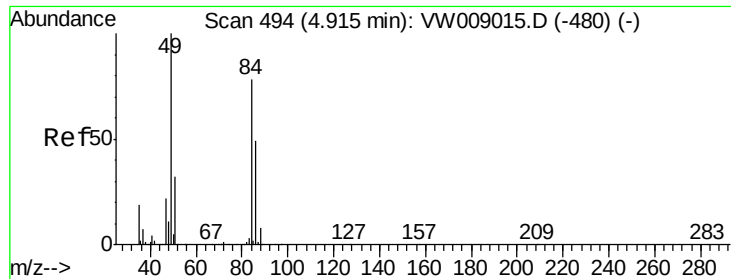
4000

2000

0

Time--> 4.00 4.10 4.20

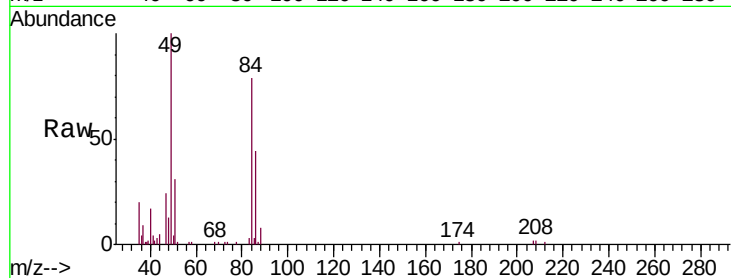




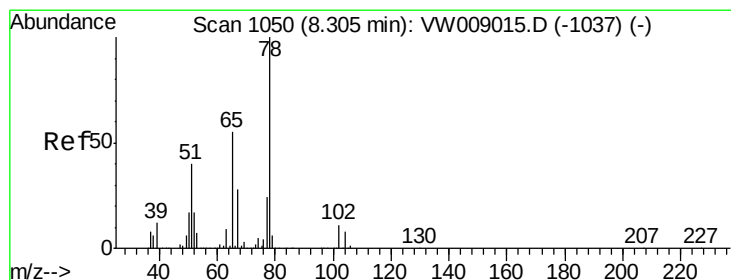
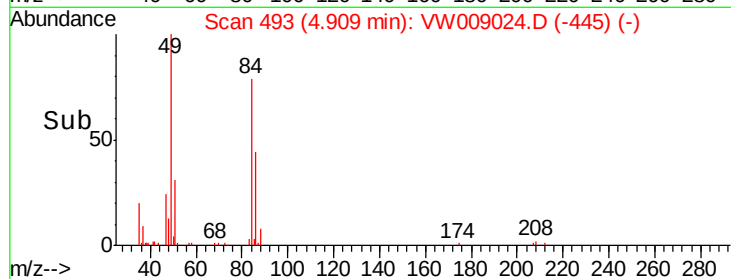
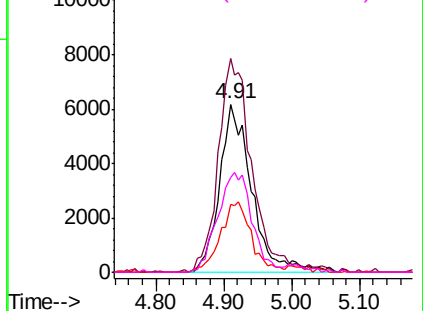
#20  
Methylene Chloride  
Concen: 4.139 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW009024.D  
Acq: 06 Mar 2019 19:17

Instrument :  
MSVOA\_W  
ClientSampleId :  
Z-2-6

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 20197 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 127.1 | 102.8 | 154.2 |
| 51       | 40.0  | 32.4  | 48.6  |
| 86       | 56.1  | 50.3  | 75.5  |

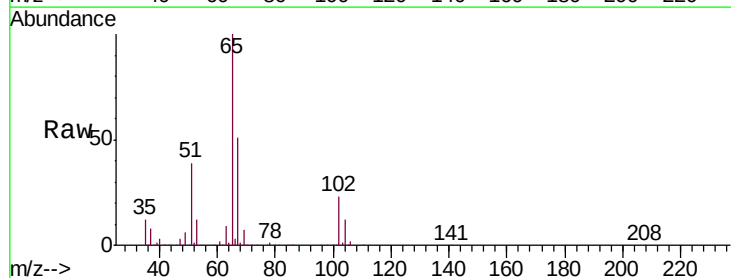


Abundance Ion 83.90 (83.60 to 84.60): VW  
Ion 48.90 (48.60 to 49.60): VW  
Ion 50.90 (50.60 to 51.60): VW  
Ion 85.90 (85.60 to 86.60): VW

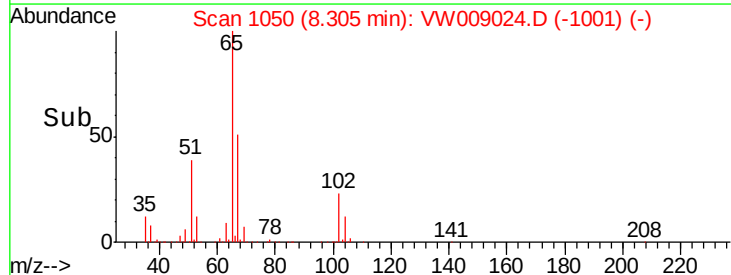
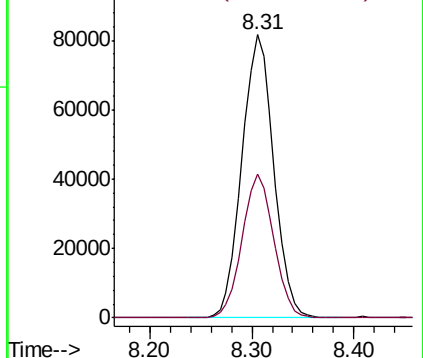


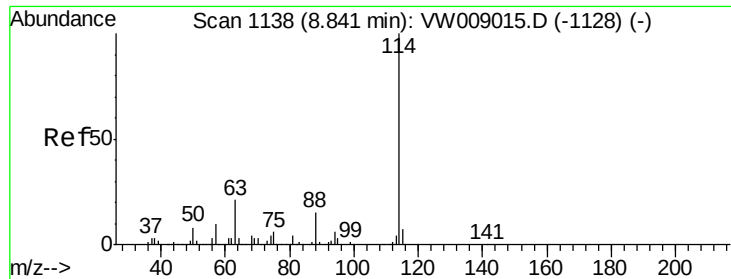
#33  
1,2-Dichloroethane-d4  
Concen: 55.766 ug/l  
RT: 8.31 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VW009024.D  
Acq: 06 Mar 2019 19:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 177243 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 50.5  | 0.0   | 102.2  |



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

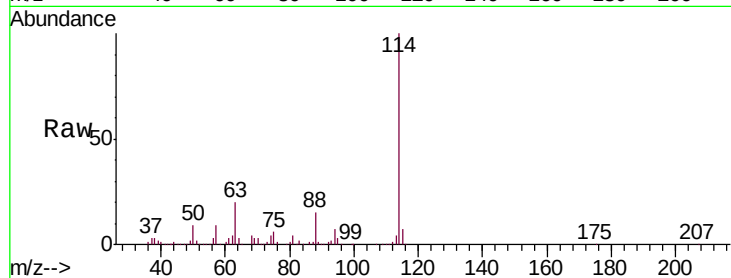




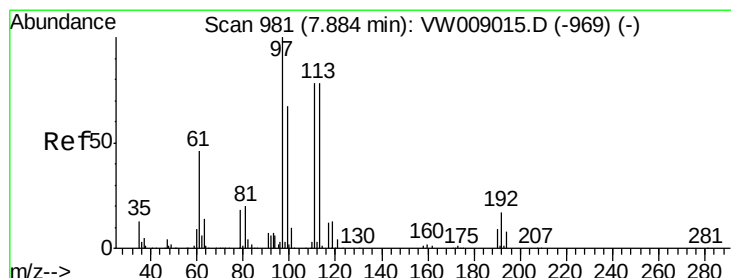
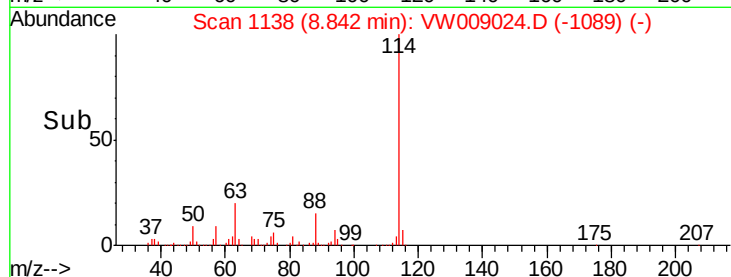
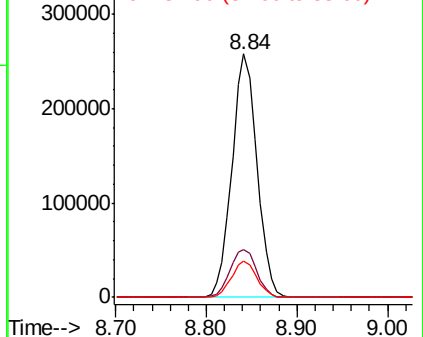
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW009024.D  
 Acq: 06 Mar 2019 19:17

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 Z-2-6

Tgt Ion:114 Resp: 496434  
 Ion Ratio Lower Upper  
 114 100  
 63 19.7 0.0 42.4  
 88 15.0 0.0 30.8

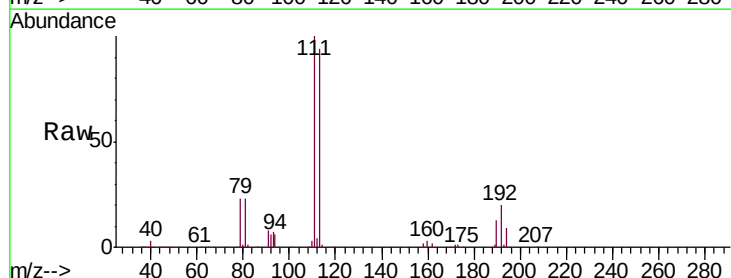


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

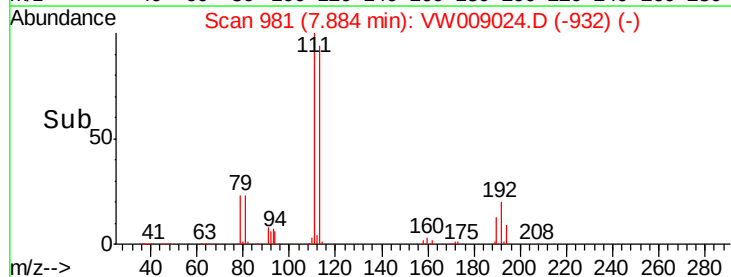
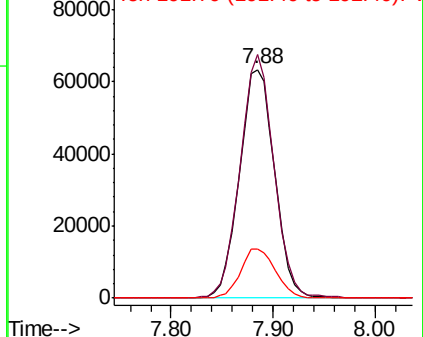


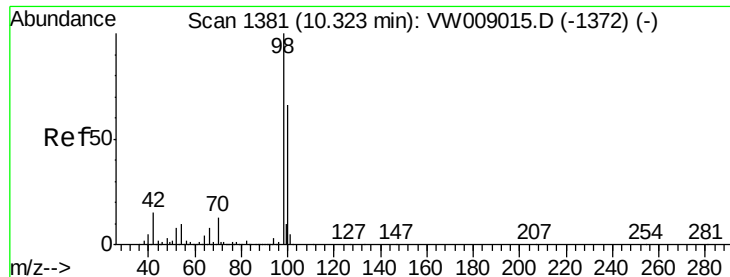
#35  
 Dibromofluoromethane  
 Concen: 50.733 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW009024.D  
 Acq: 06 Mar 2019 19:17

Tgt Ion:113 Resp: 151613  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 80.5 120.7  
 192 21.5 16.7 25.1



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: 47.354 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009024.D

Acq: 06 Mar 2019 19:17

Instrument :

MSVOA\_W

ClientSampleId :

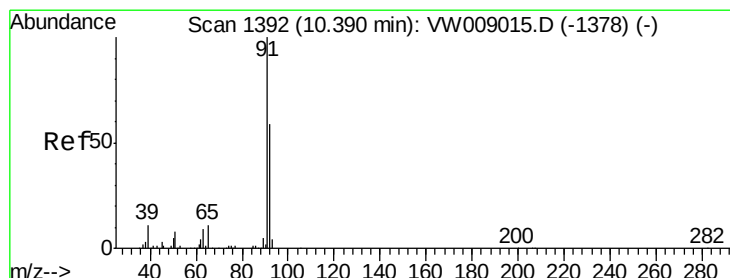
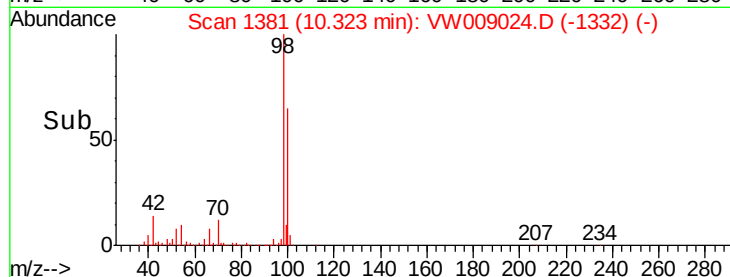
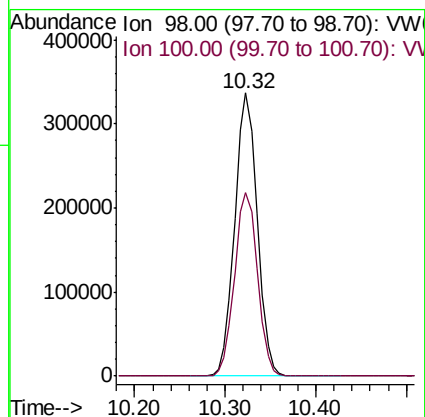
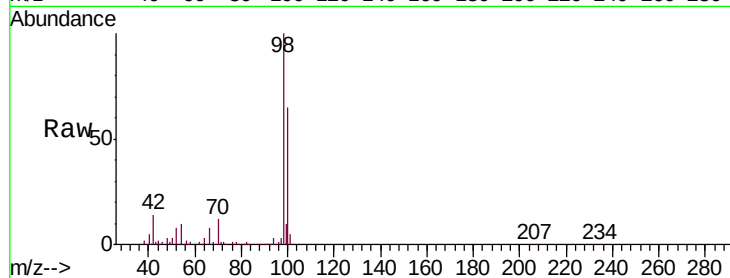
Z-2-6

Tgt Ion: 98 Resp: 581558

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3



#52

Toluene

Concen: 1.284 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009024.D

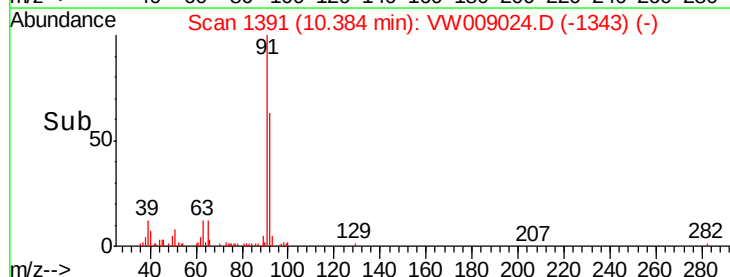
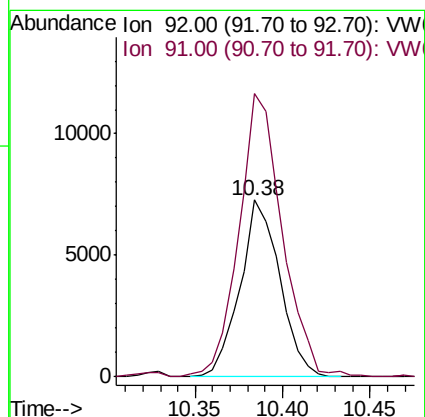
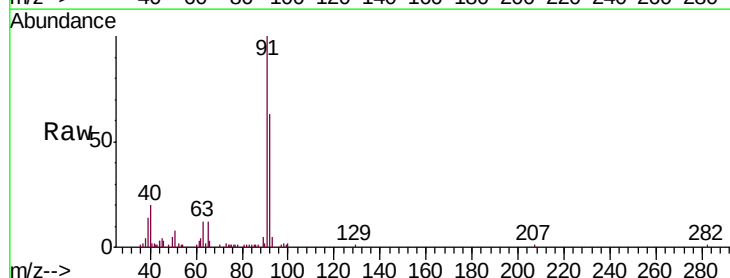
Acq: 06 Mar 2019 19:17

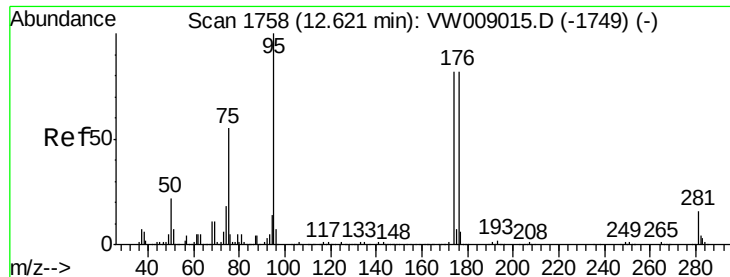
Tgt Ion: 92 Resp: 11538

Ion Ratio Lower Upper

92 100

91 173.5 138.1 207.1

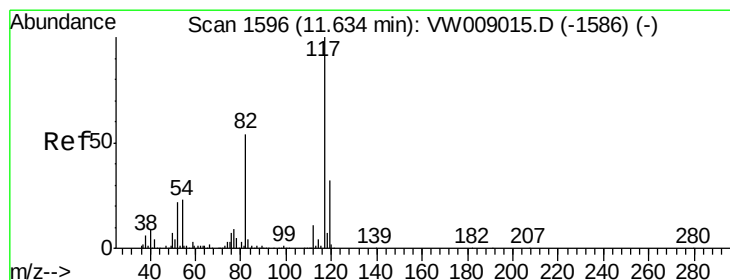
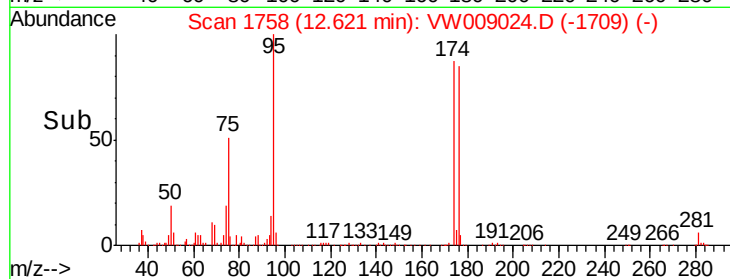
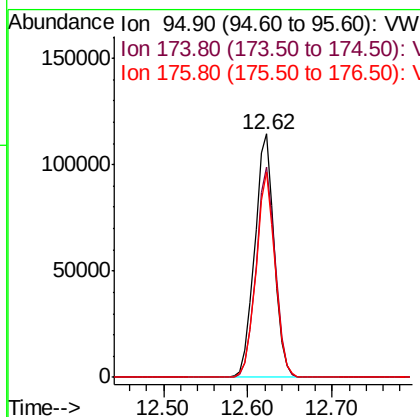
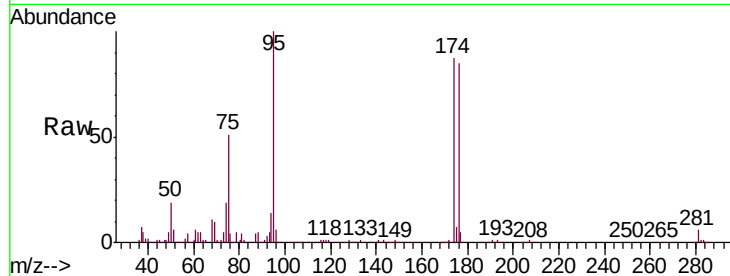




#62  
4-Bromofluorobenzene  
Concen: 37.767 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW009024.D  
Acq: 06 Mar 2019 19:17

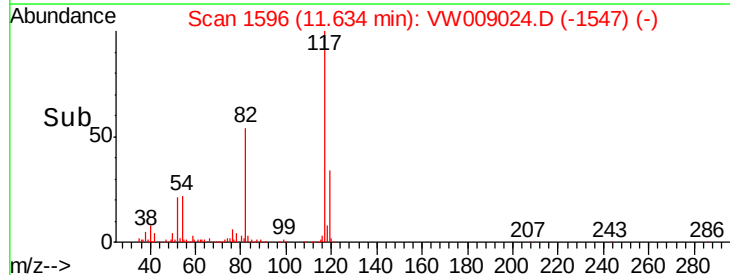
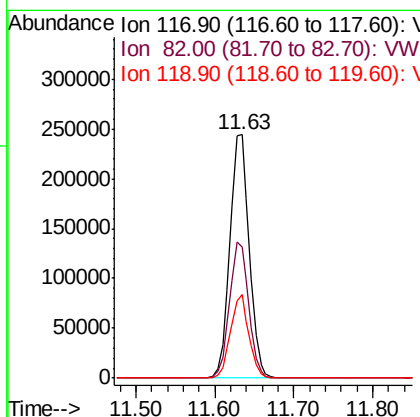
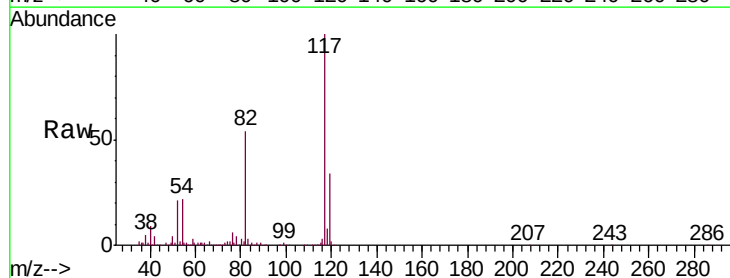
Instrument :  
MSVOA\_W  
ClientSampled :  
Z-2-6

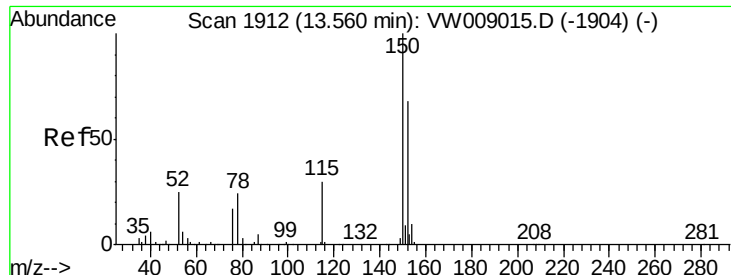
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 85.4  | 0.0   | 165.8 |
| 176     | 82.4  | 0.0   | 159.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW009024.D  
Acq: 06 Mar 2019 19:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.0  | 43.4  | 65.2  |
| 119     | 34.1  | 25.8  | 38.8  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009024.D

Acq: 06 Mar 2019 19:17

Instrument :

MSVOA\_W

ClientSampleId :

Z-2-6

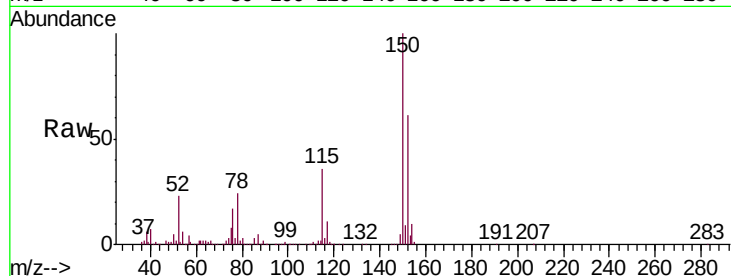
Tgt Ion:152 Resp: 160837

Ion Ratio Lower Upper

152 100

115 58.1 29.3 87.8

150 160.0 0.0 348.6



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

