

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\  
 Data File : VW008883.D  
 Acq On : 28 Feb 2019 13:20  
 Operator : SY/VA  
 Sample : K1650-03  
 Misc : 6.41G/5ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 B-1(24-25)

Quant Time: Mar 01 07:42:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 22 00:38:32 2019  
 Response via : Initial Calibration

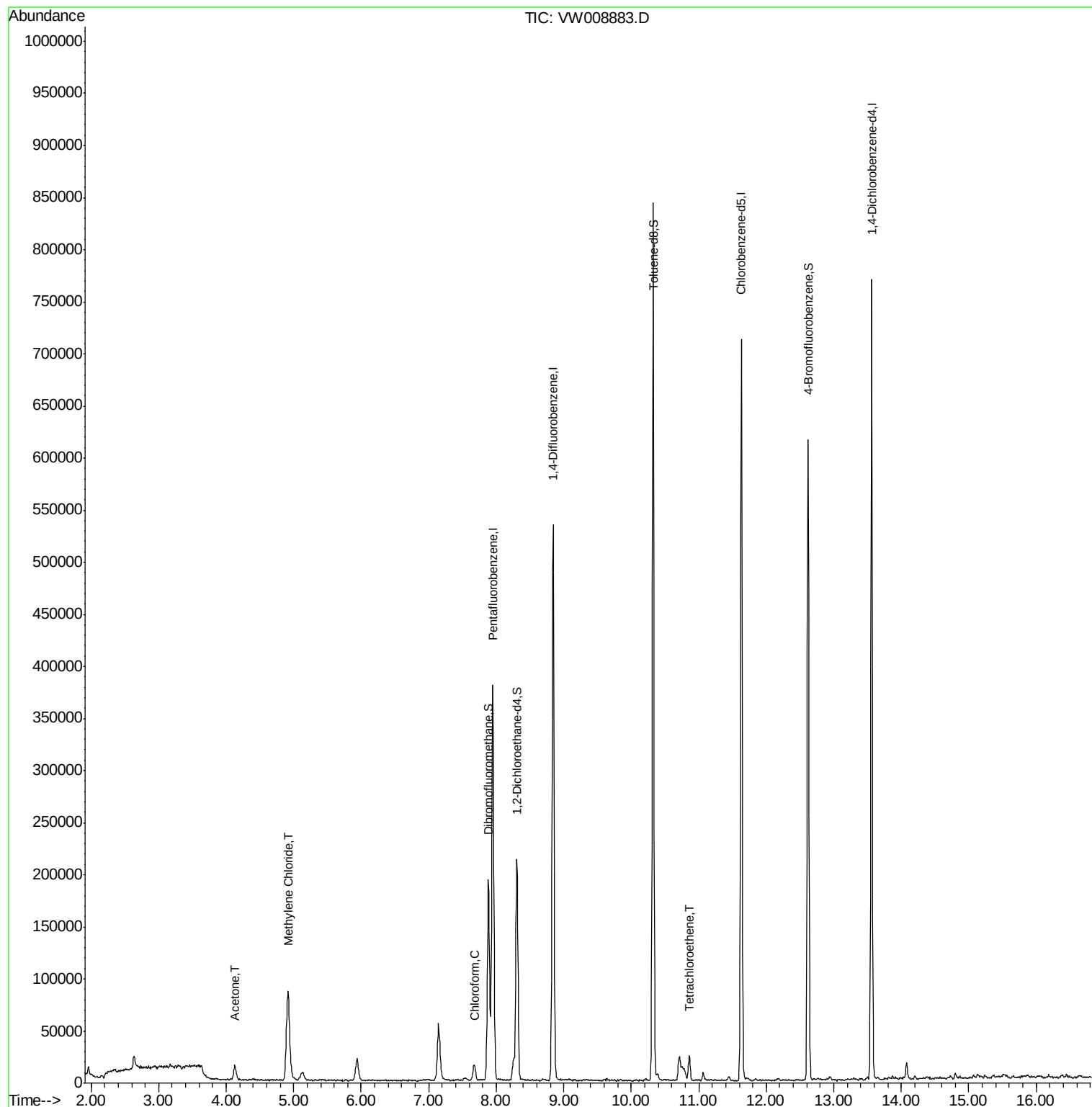
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 292800   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 446786   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 391744   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 189888   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 158992   | 57.90  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 115.80% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 132822   | 49.51  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.02%  |          |
| 50) Toluene-d8              | 10.32 | 98   | 526633   | 50.86  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.72% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 182074   | 44.91  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.82%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.13  | 43   | 24445    | 38.403 | ug/l #  | 88       |
| 20) Methylene Chloride      | 4.92  | 84   | 69514    | 19.001 | ug/l    | 96       |
| 30) Chloroform              | 7.68  | 83   | 12791    | 2.438  | ug/l    | 99       |
| 64) Tetrachloroethene       | 10.86 | 164  | 4922     | 1.755  | ug/l    | 93       |

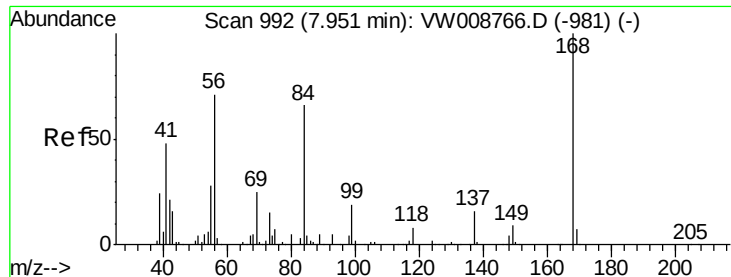
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022819\  
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Instrument :  
MSVOA\_W  
ClientSampleId :  
B-1(24-25)

Quant Time: Mar 01 07:42:22 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 22 00:38:32 2019  
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: VW008883.D

Acq: 28 Feb 2019 13:20

Instrument :

MSVOA\_W

ClientSampleId :

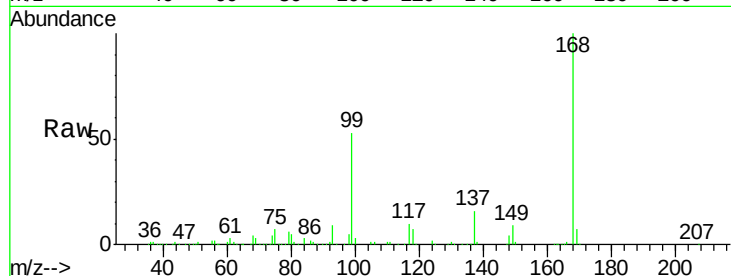
B-1(24-25)

Tot Ion:168 Resp: 292800

Ion Ratio Lower Upper

168 100

99 53.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

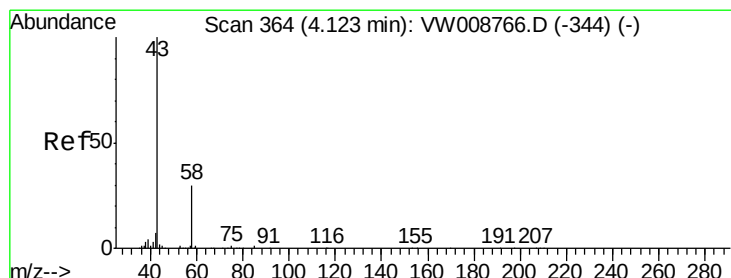
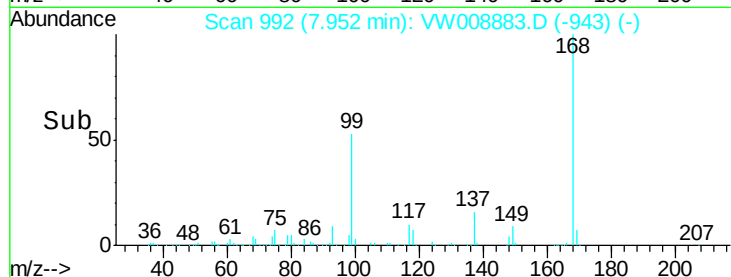
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 38.403 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008883.D

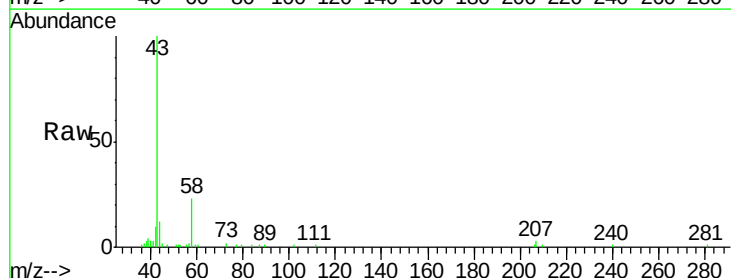
Acq: 28 Feb 2019 13:20

Tgt Ion: 43 Resp: 24445

Ion Ratio Lower Upper

43 100

58 23.4 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

10000

8000

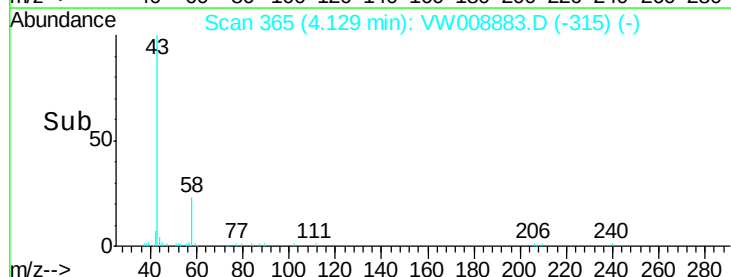
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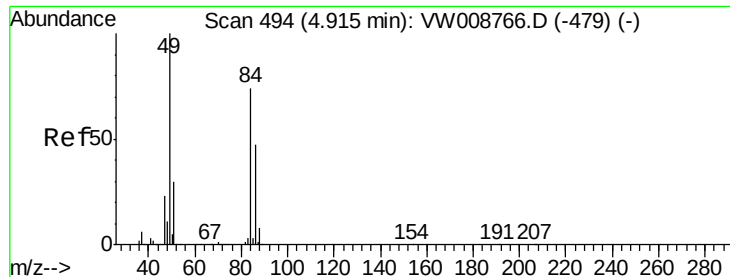
4000

2000

0

Time-->

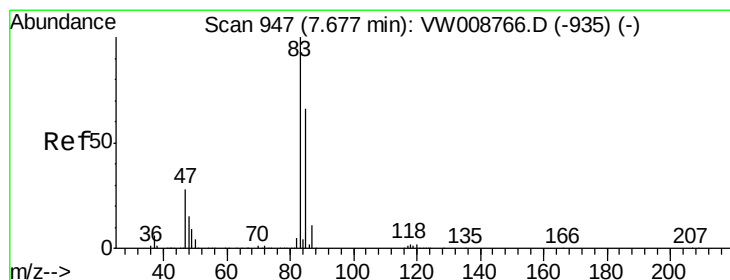
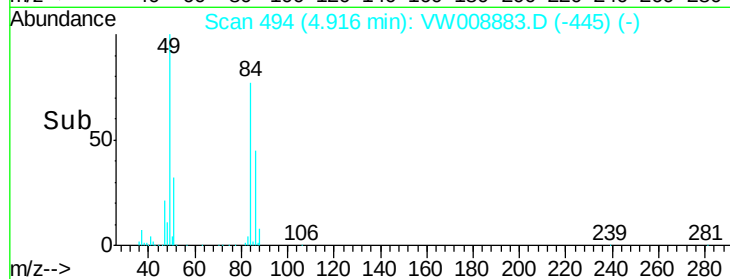
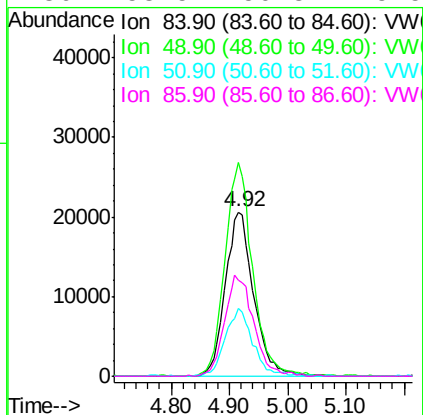
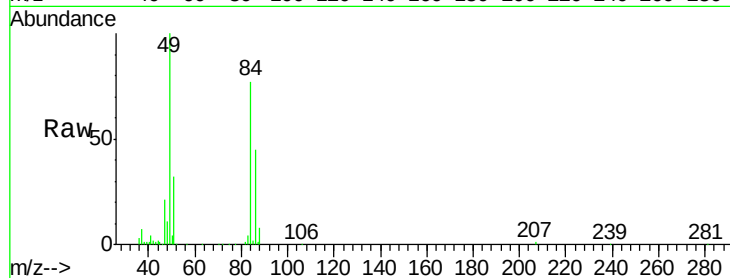




#20  
Methylene Chloride  
Concen: 19.001 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW008883.D  
Acq: 28 Feb 2019 13:20

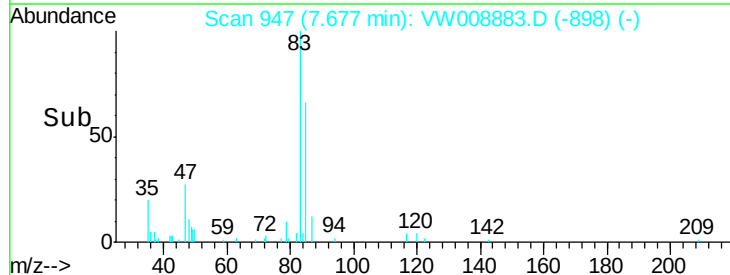
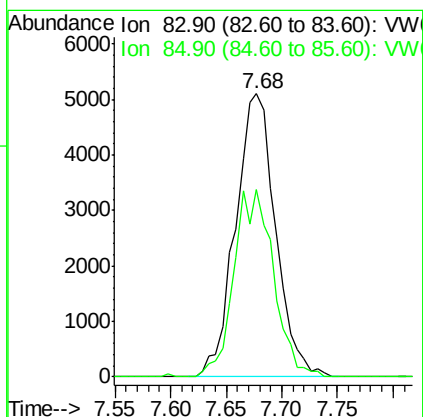
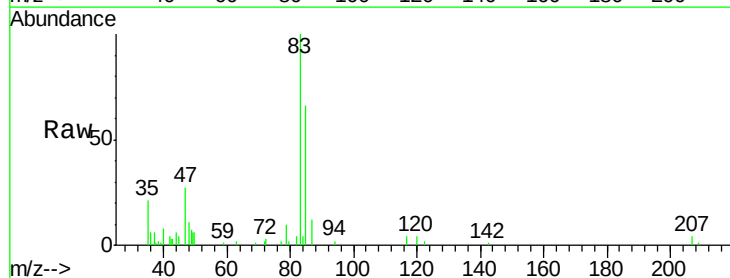
Instrument :  
MSVOA\_W  
ClientSampleId :  
B-1(24-25)

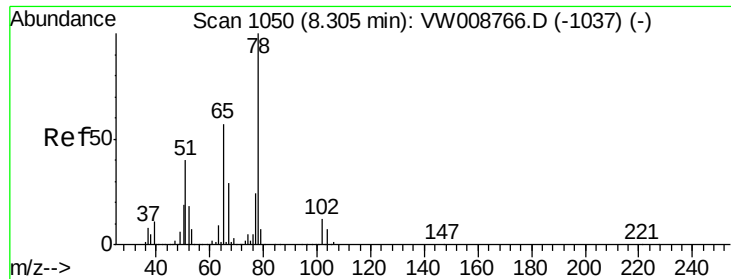
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 69514 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 130.2 | 108.2 | 162.2 |
| 51       | 41.2  | 32.7  | 49.1  |
| 86       | 58.5  | 50.3  | 75.5  |



#30  
Chloroform  
Concen: 2.438 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. 0.00 min  
Lab File: VW008883.D  
Acq: 28 Feb 2019 13:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 12791 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 66.2  | 52.6  | 79.0  |

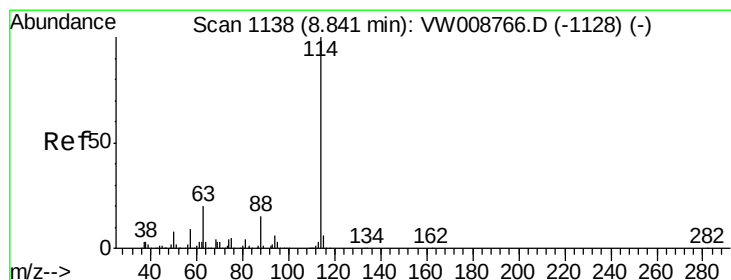
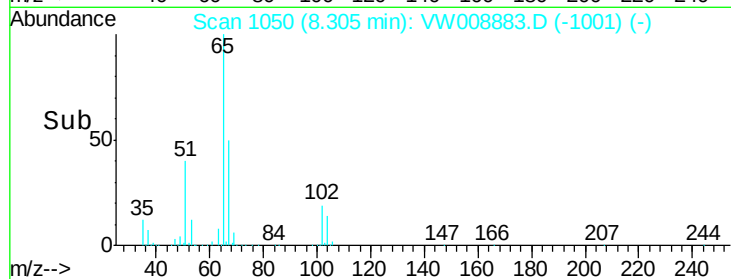
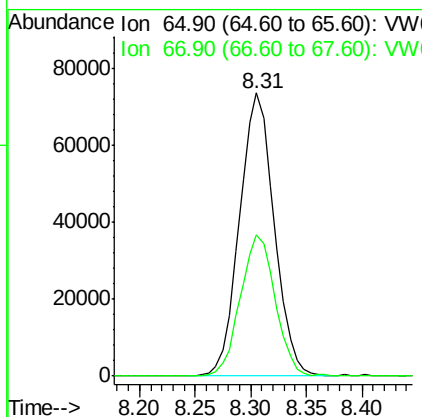
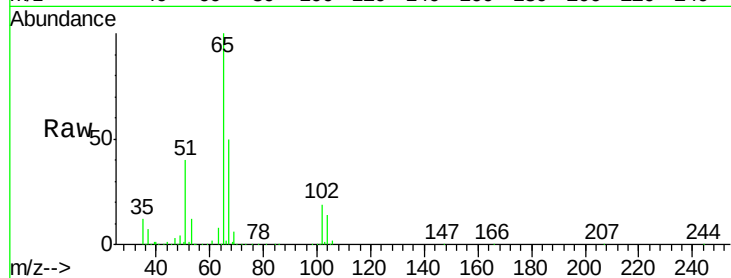




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.895 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW008883.D  
 Acq: 28 Feb 2019 13:20

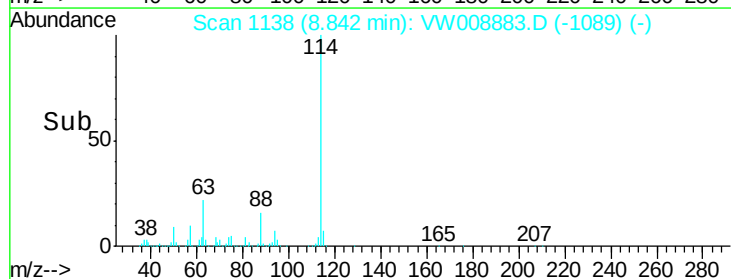
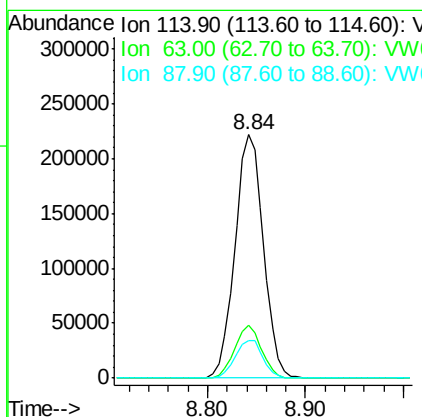
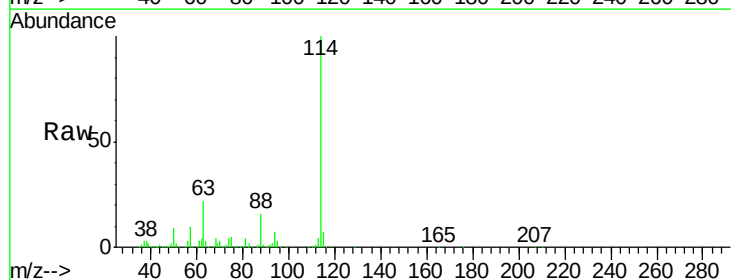
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 B-1(24-25)

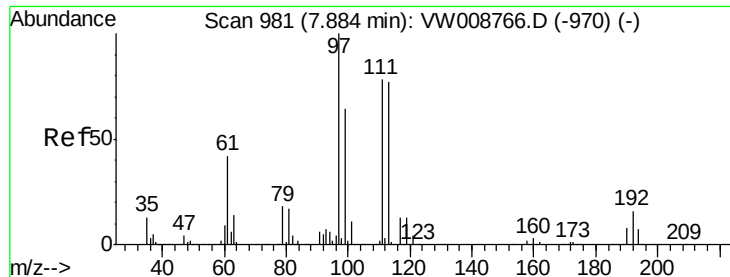
Tot Ion: 65 Resp: 158992  
 Ion Ratio Lower Upper  
 65 100  
 67 50.3 0.0 101.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW008883.D  
 Acq: 28 Feb 2019 13:20

Tgt Ion: 114 Resp: 446786  
 Ion Ratio Lower Upper  
 114 100  
 63 21.8 0.0 40.8  
 88 15.7 0.0 30.4

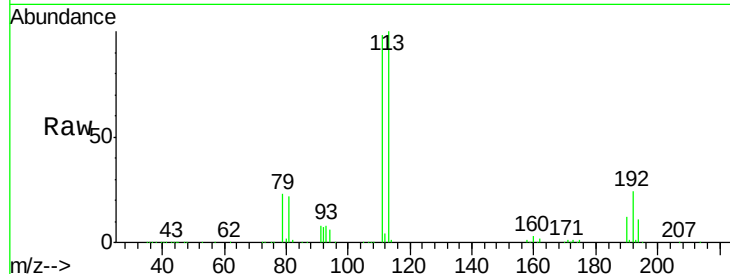




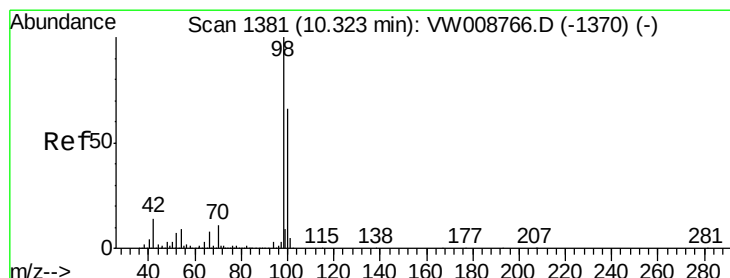
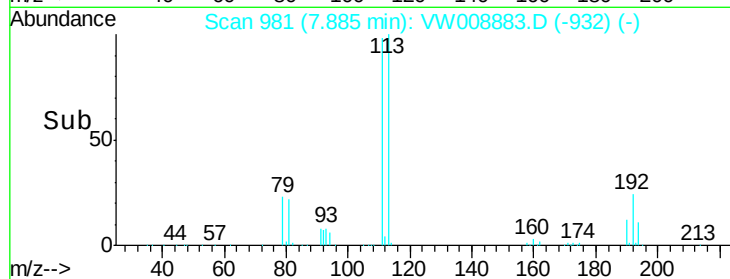
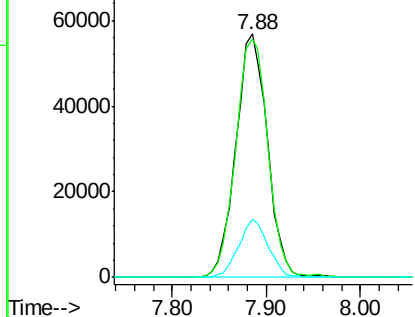
#35  
 Dibromofluoromethane  
 Concen: 49.513 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW008883.D  
 Acq: 28 Feb 2019 13:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 B-1(24-25)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 99.9  | 81.9  | 122.9 |
| 192     | 22.4  | 17.1  | 25.7  |

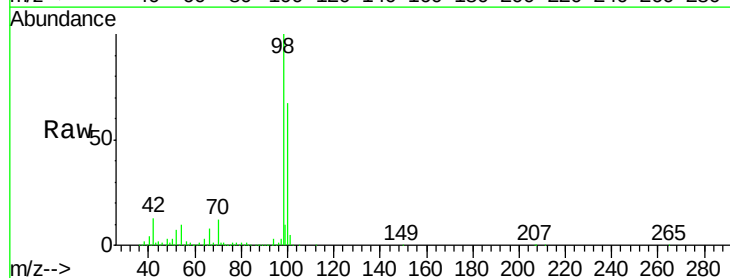


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

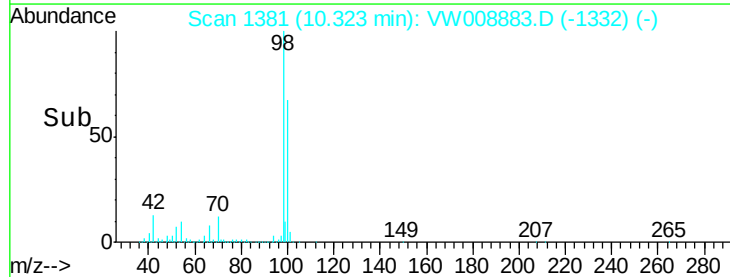
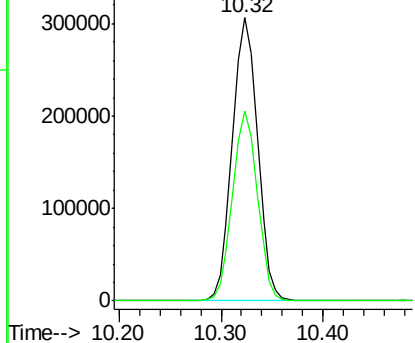


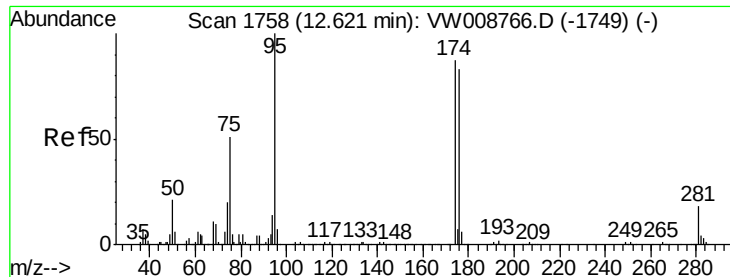
#50  
 Toluene-d8  
 Concen: 50.856 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW008883.D  
 Acq: 28 Feb 2019 13:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.8  | 52.4  | 78.6  |



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

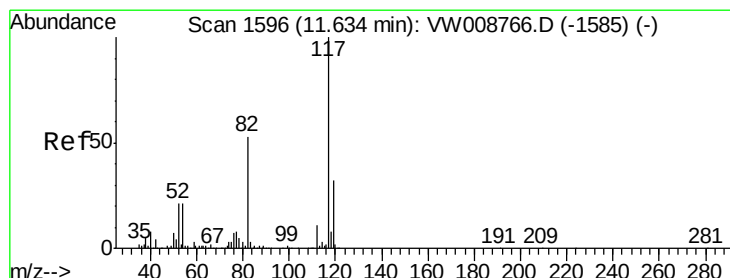
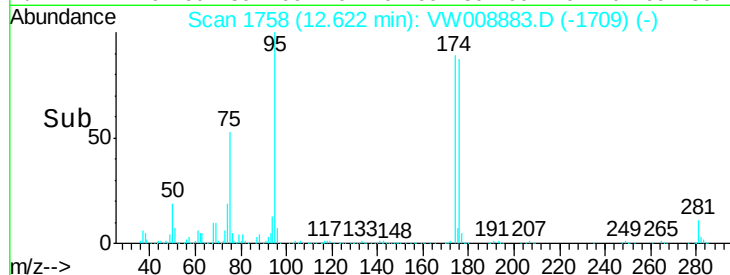
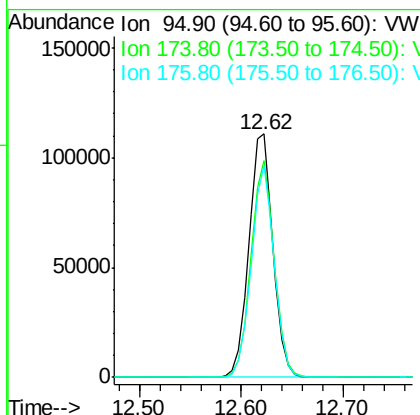
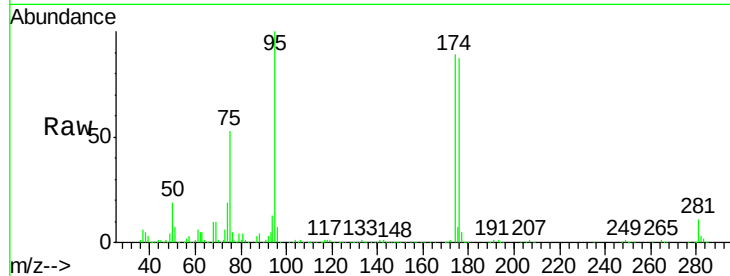




#62  
4-Bromofluorobenzene  
Concen: 44.906 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW008883.D  
Acq: 28 Feb 2019 13:20

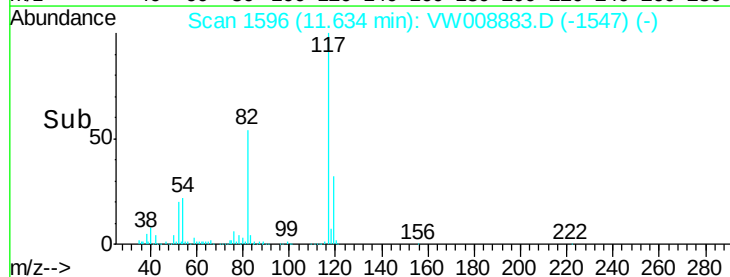
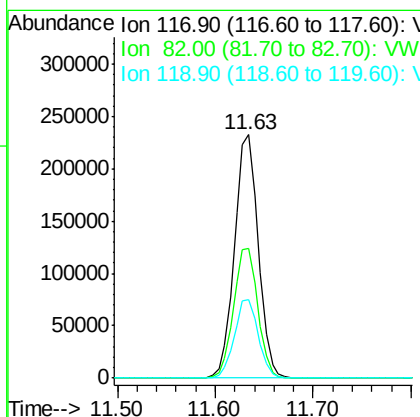
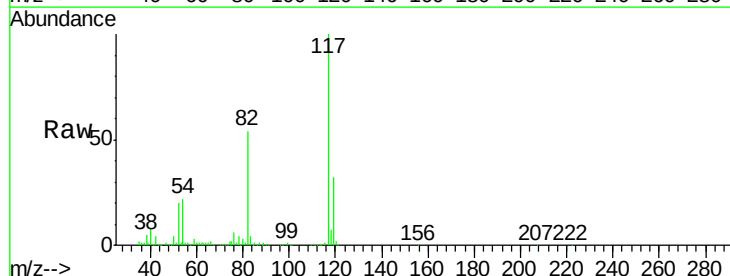
Instrument :  
MSVOA\_W  
ClientSampled :  
B-1(24-25)

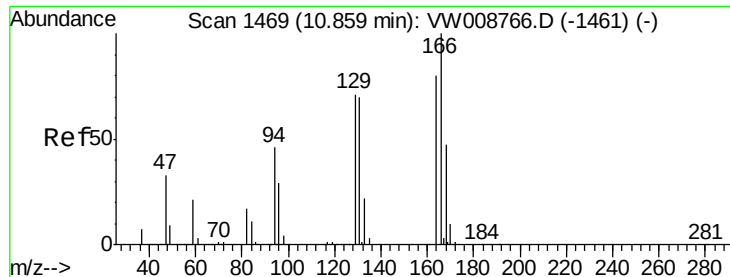
Tot Ion: 95 Resp: 182074  
Ion Ratio Lower Upper  
95 100  
174 86.8 0.0 169.2  
176 83.6 0.0 163.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW008883.D  
Acq: 28 Feb 2019 13:20

Tgt Ion: 117 Resp: 391744  
Ion Ratio Lower Upper  
117 100  
82 53.5 42.2 63.4  
119 32.1 25.9 38.9





#64

Tetrachloroethene

Concen: 1.755 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW008883.D

Acq: 28 Feb 2019 13:20

Instrument :

MSVOA\_W

ClientSampleId :

B-1(24-25)

Tot Ion:164 Resp: 4922

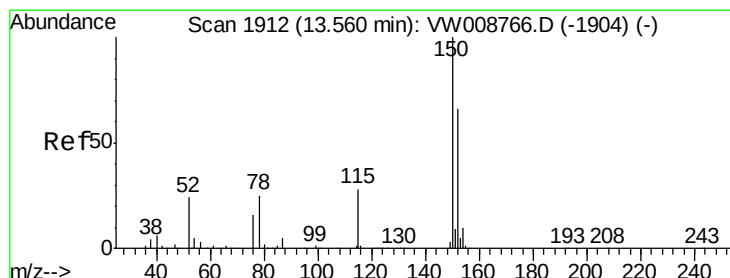
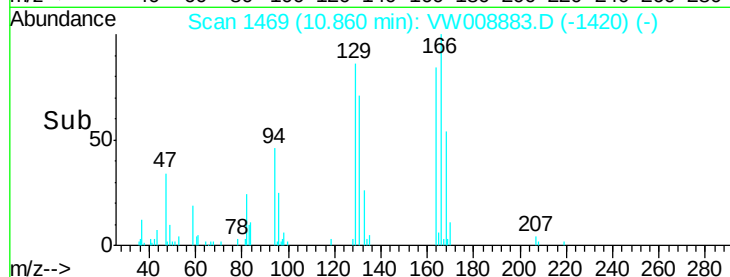
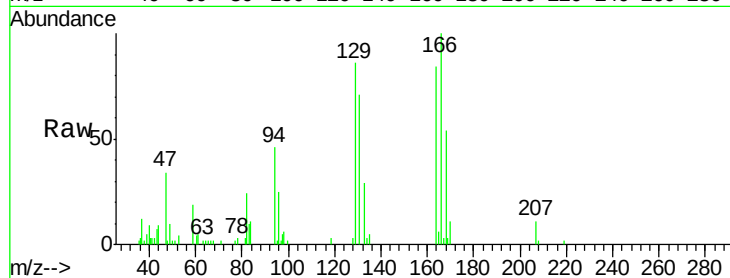
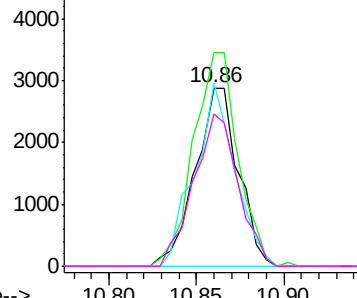
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 119.6 | 99.5  | 149.3 |
| 129 | 102.3 | 71.1  | 106.7 |
| 131 | 85.3  | 69.8  | 104.8 |

Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008883.D

Acq: 28 Feb 2019 13:20

Tgt Ion:152 Resp: 189888

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 56.2  | 28.6  | 85.8  |
| 150 | 156.5 | 0.0   | 348.0 |

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

