

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\  
 Data File : VW008304.D  
 Acq On : 16 Jan 2019 13:21  
 Operator : SY/VA  
 Sample : K1147-01  
 Misc : 5.10G/5ML/MSVOA W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-1

Quant Time: Jan 17 05:48:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 09 04:40:48 2019  
 Response via : Initial Calibration

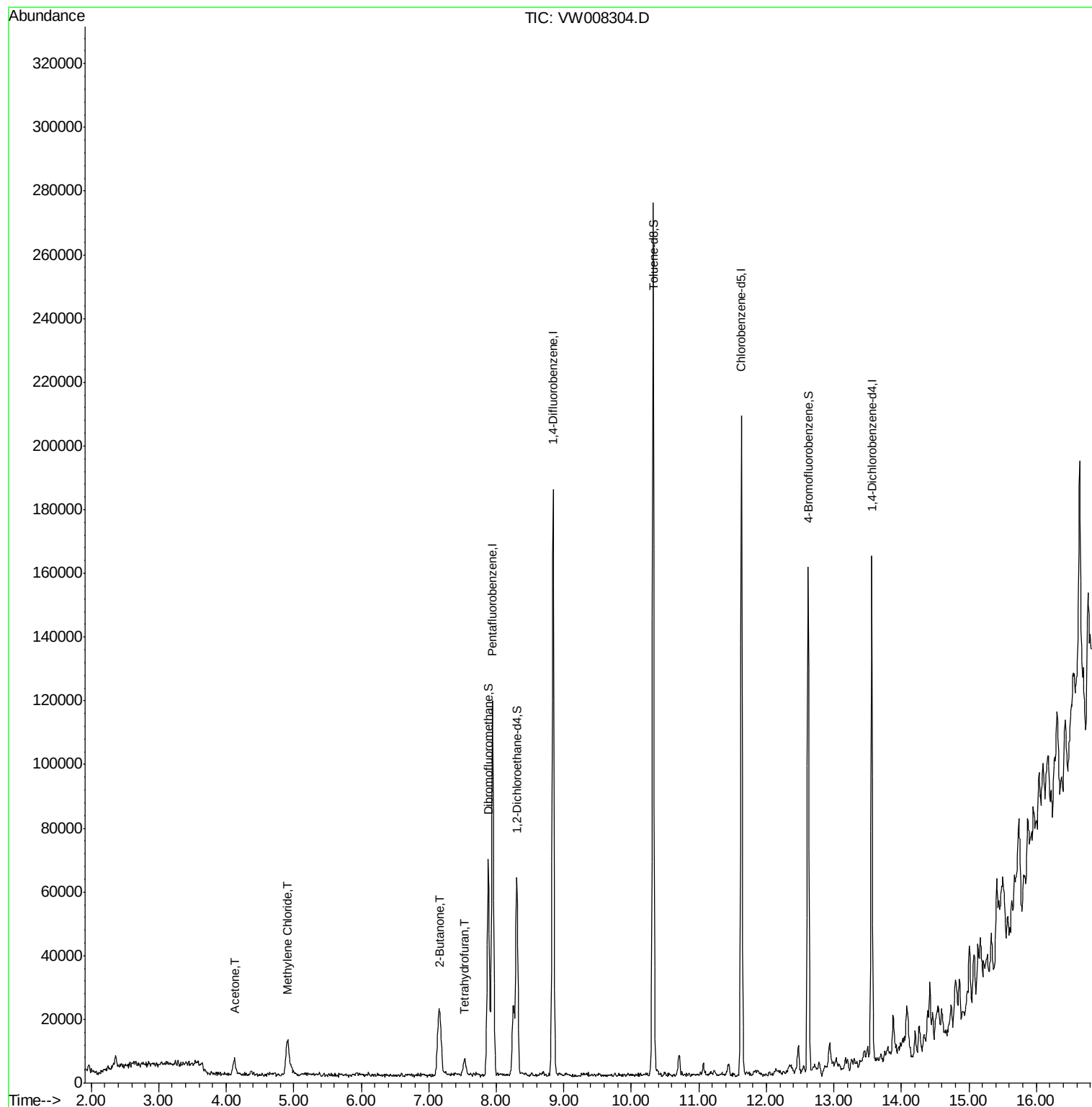
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 83372    | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 144935   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 115047   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 40397    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 46649    | 49.78  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.56%  |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 47224    | 55.87  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.74% |          |
| 50) Toluene-d8              | 10.32 | 98   | 180008   | 50.75  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.50% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 48338    | 38.01  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 76.02%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 9314     | 37.305 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.91  | 84   | 9985     | 6.655  | ug/l    | 95       |
| 25) 2-Butanone              | 7.17  | 43   | 19291    | 73.994 | ug/l    | 94       |
| 29) Tetrahydrofuran         | 7.54  | 42   | 4212     | 24.186 | ug/l    | 95       |

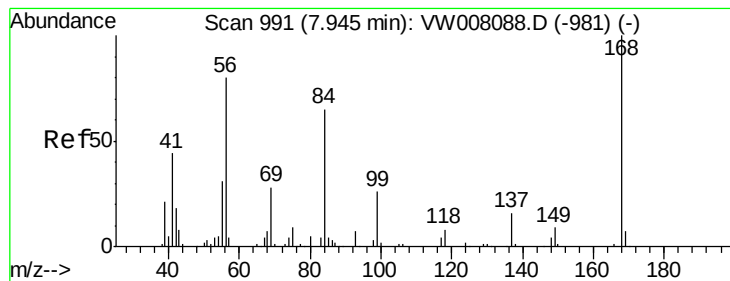
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011619\  
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TP-1

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Quant Title : SW846 8260  
QLast Update : Wed Jan 09 04:40:48 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: VW008304.D

Acq: 16 Jan 2019 13:21

Instrument :

MSVOA\_W

ClientSampled :

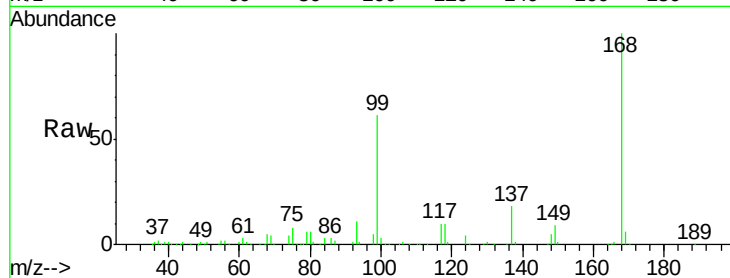
TP-1

Tot Ion:168 Resp: 83372

Ion Ratio Lower Upper

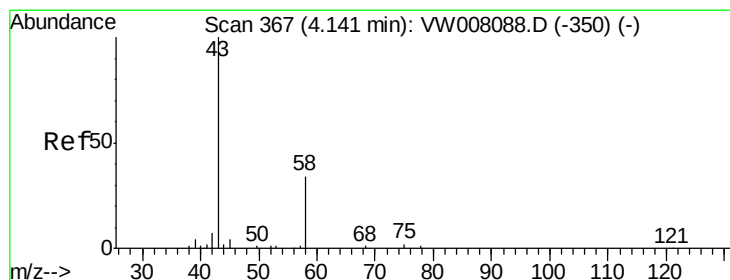
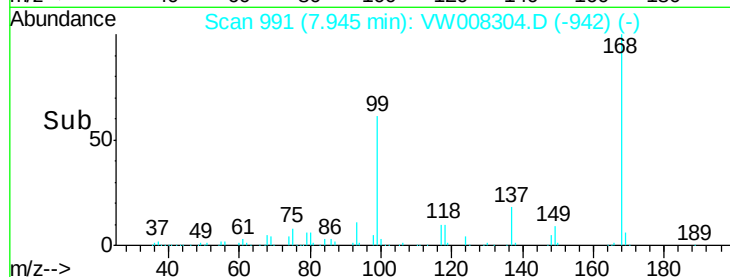
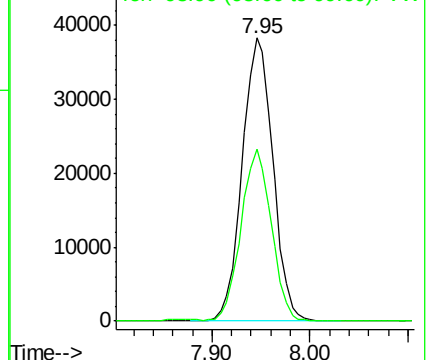
168 100

99 60.6 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 37.305 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW008304.D

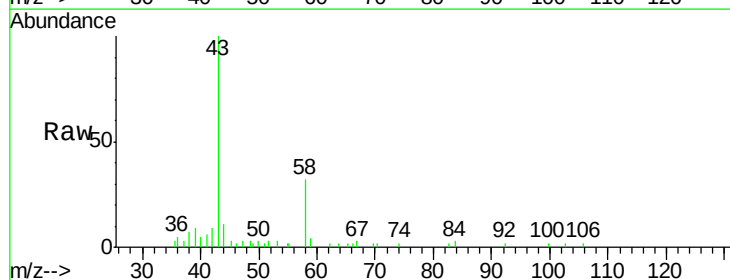
Acq: 16 Jan 2019 13:21

Tgt Ion: 43 Resp: 9314

Ion Ratio Lower Upper

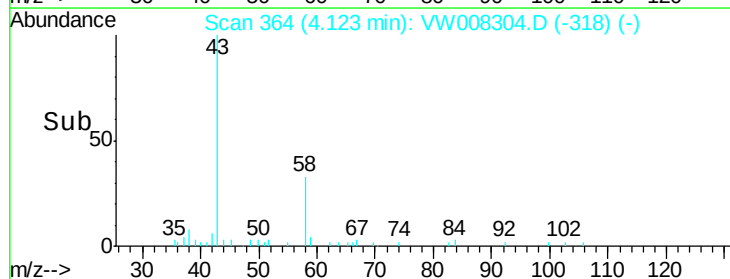
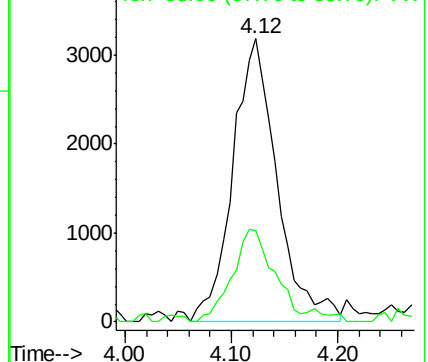
43 100

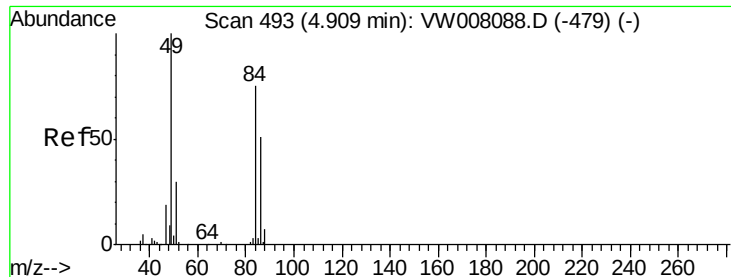
58 32.5 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

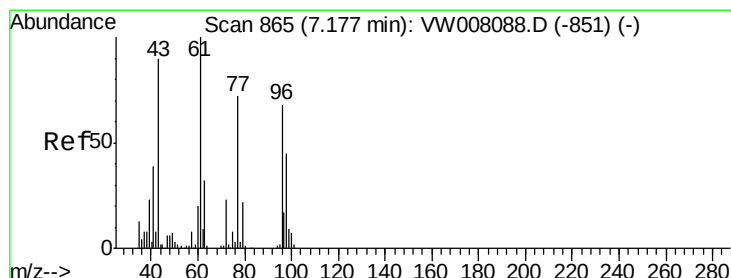
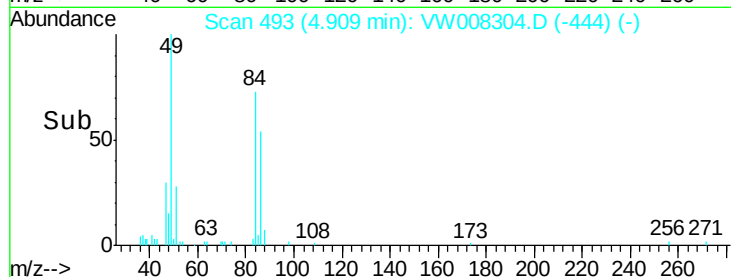
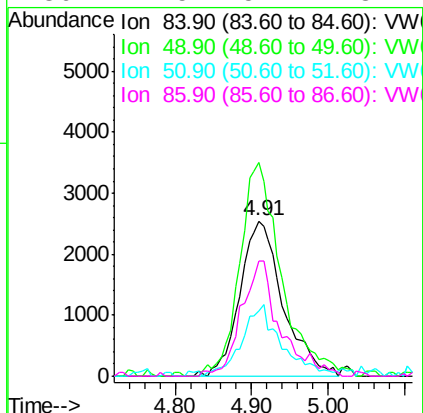
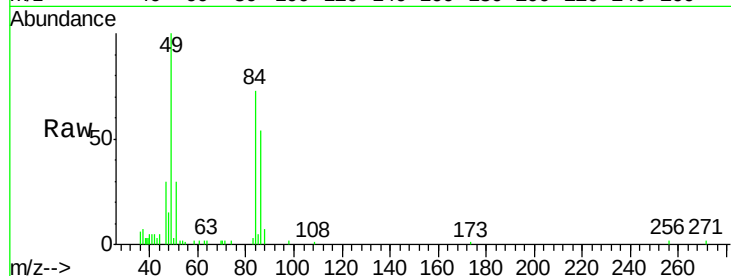




#20  
Methylene Chloride  
Concen: 6.655 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. 0.00 min  
Lab File: VW008304.D  
Acq: 16 Jan 2019 13:21

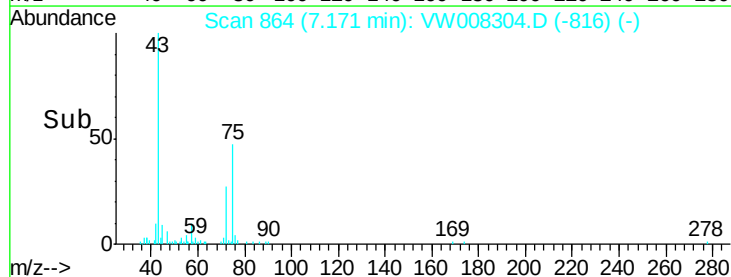
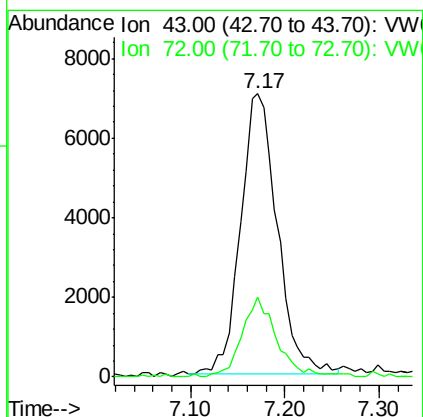
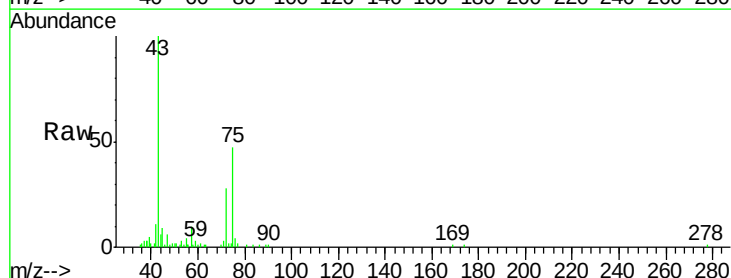
Instrument :  
MSVOA\_W  
ClientSampled :  
TP-1

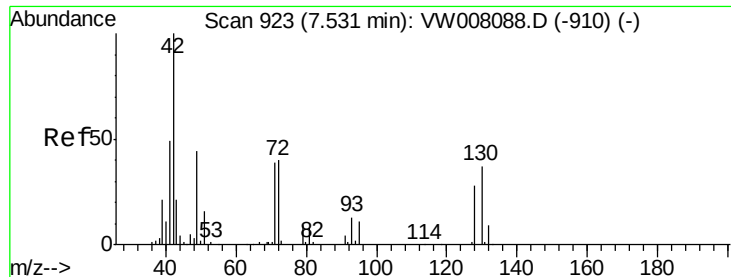
Tot Ion: 84 Resp: 9985  
Ion Ratio Lower Upper  
84 100  
49 137.9 107.1 160.7  
51 39.0 32.4 48.6  
86 74.5 54.2 81.4



#25  
2-Butanone  
Concen: 73.994 ug/l  
RT: 7.17 min Scan# 864  
Delta R.T. -0.01 min  
Lab File: VW008304.D  
Acq: 16 Jan 2019 13:21

Tgt Ion: 43 Resp: 19291  
Ion Ratio Lower Upper  
43 100  
72 28.4 20.5 30.7

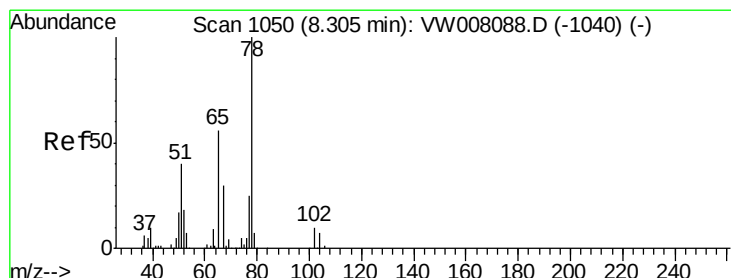
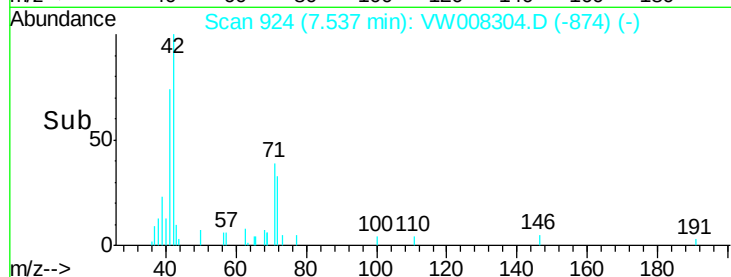
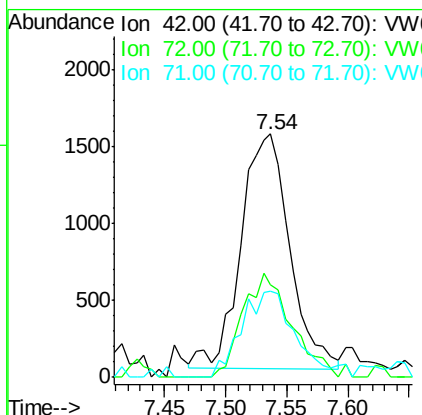
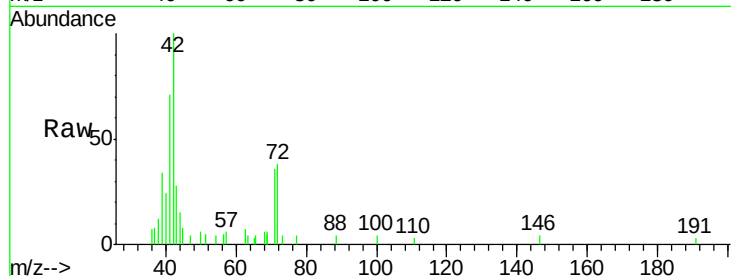




#29  
Tetrahydrofuran  
Concen: 24.186 ug/l  
RT: 7.54 min Scan# 924  
Delta R.T. 0.01 min  
Lab File: VW008304.D  
Acq: 16 Jan 2019 13:21

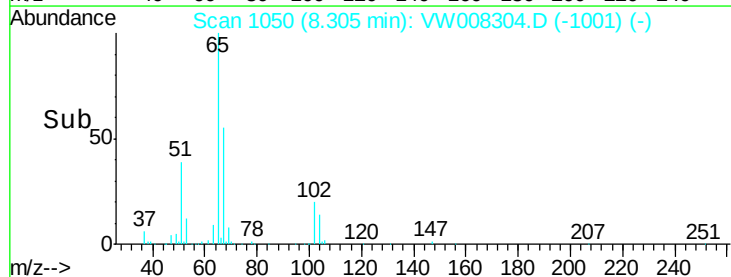
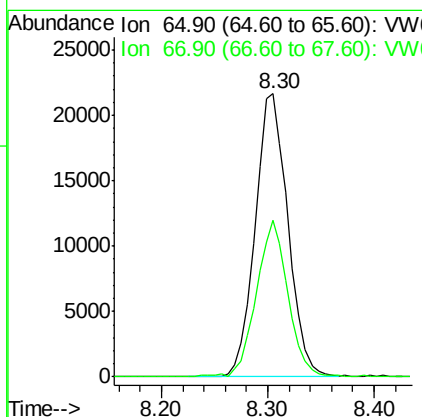
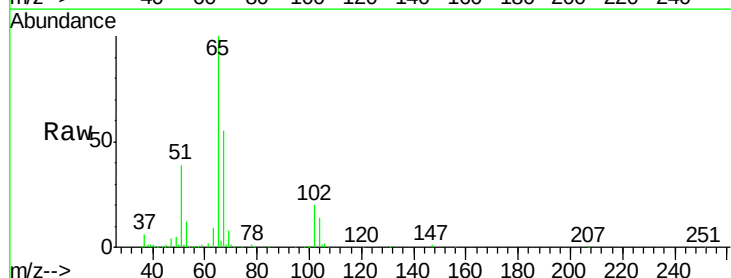
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-1

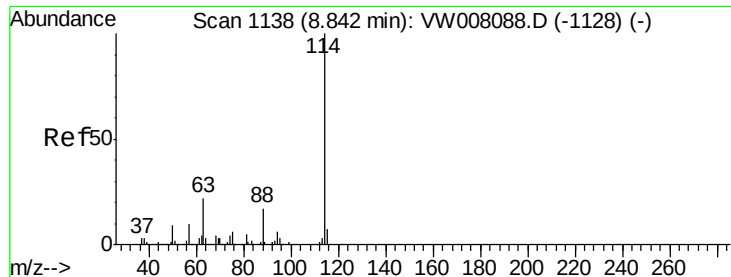
Tot Ion: 42 Resp: 4212  
Ion Ratio Lower Upper  
42 100  
72 44.4 32.4 48.6  
71 41.3 31.3 46.9



#33  
1,2-Dichloroethane-d4  
Concen: 49.784 ug/l  
RT: 8.30 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VW008304.D  
Acq: 16 Jan 2019 13:21

Tgt Ion: 65 Resp: 46649  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008304.D

Acq: 16 Jan 2019 13:21

Instrument :

MSVOA\_W

ClientSampled :

TP-1

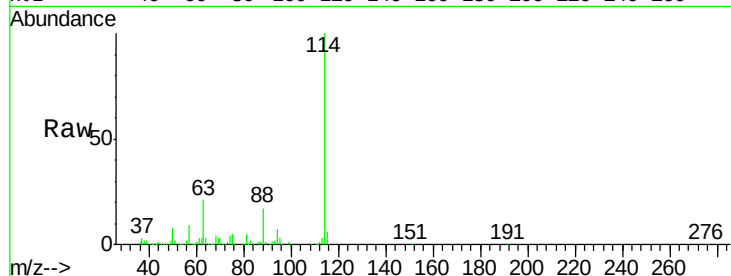
Tot Ion:114 Resp: 144935

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.4

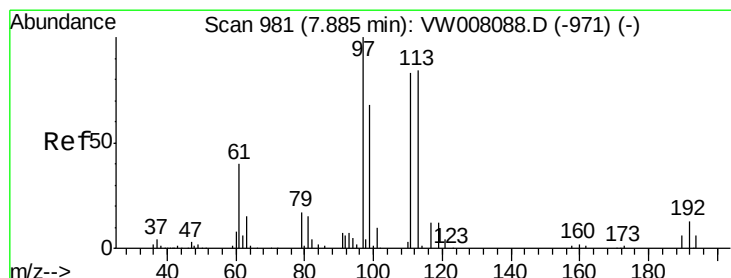
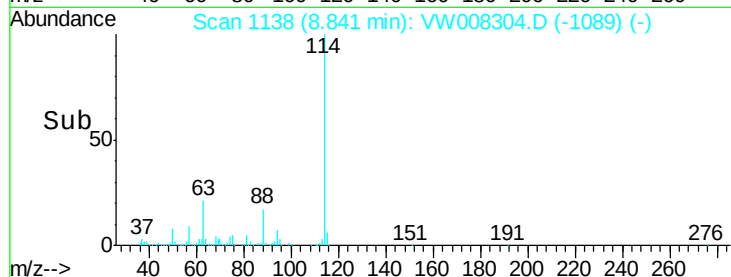
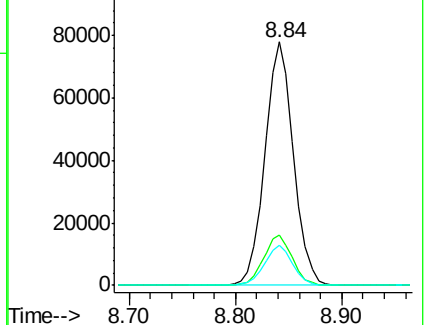
88 16.6 0.0 33.4



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: 55.865 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008304.D

Acq: 16 Jan 2019 13:21

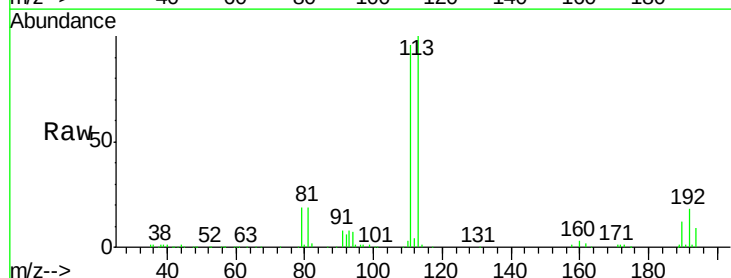
Tgt Ion:113 Resp: 47224

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

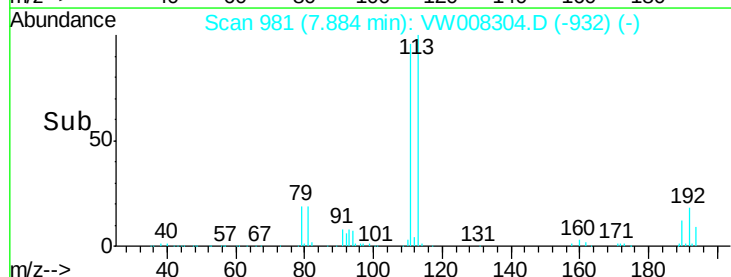
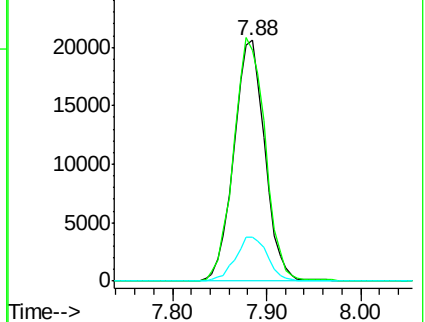
192 18.8 12.8 19.2

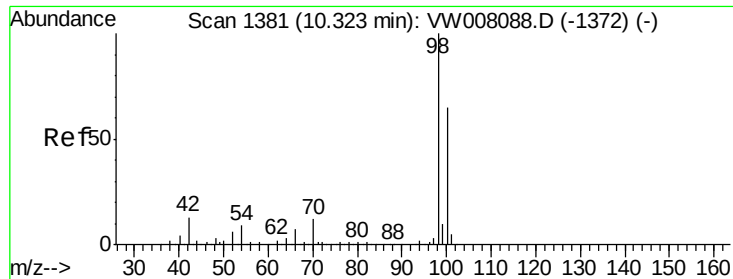


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.745 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008304.D

Acq: 16 Jan 2019 13:21

Instrument :

MSVOA\_W

ClientSampleId :

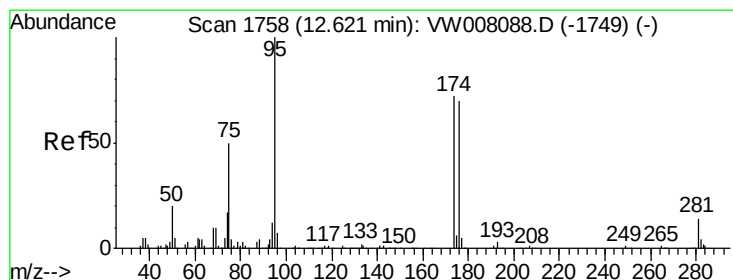
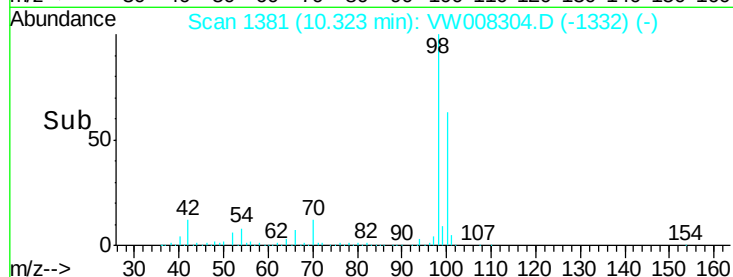
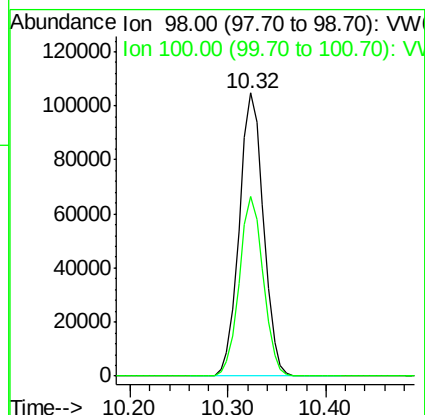
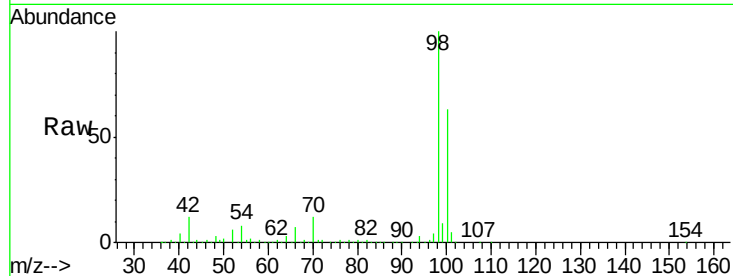
TP-1

Tot Ion: 98 Resp: 180008

Ion Ratio Lower Upper

98 100

100 63.0 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 38.011 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008304.D

Acq: 16 Jan 2019 13:21

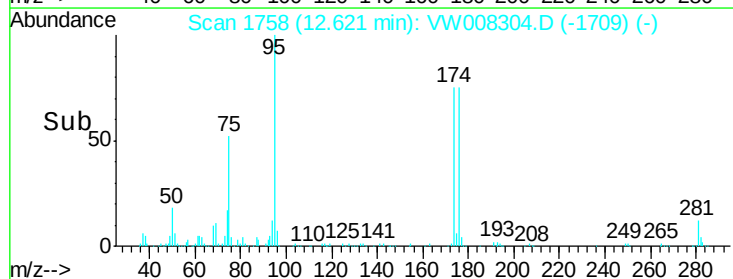
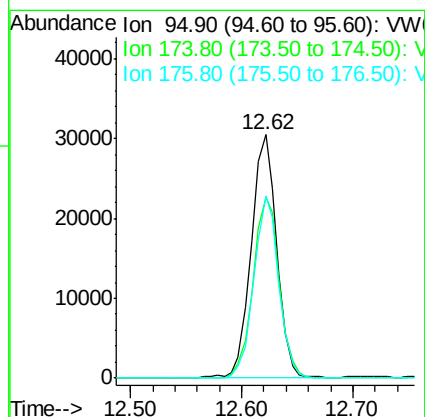
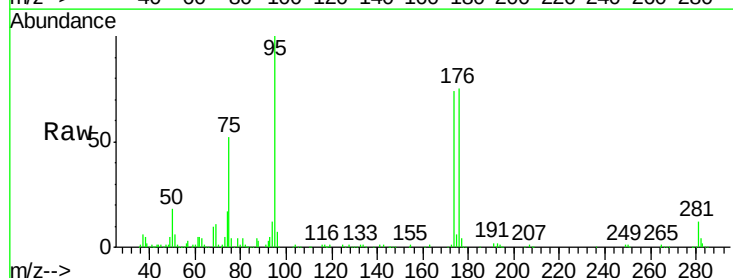
Tgt Ion: 95 Resp: 48338

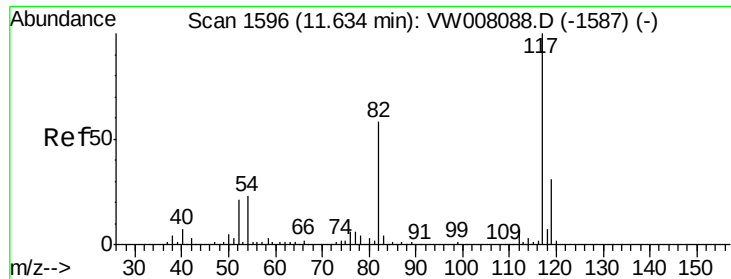
Ion Ratio Lower Upper

95 100

174 76.8 0.0 143.0

176 73.1 0.0 140.2

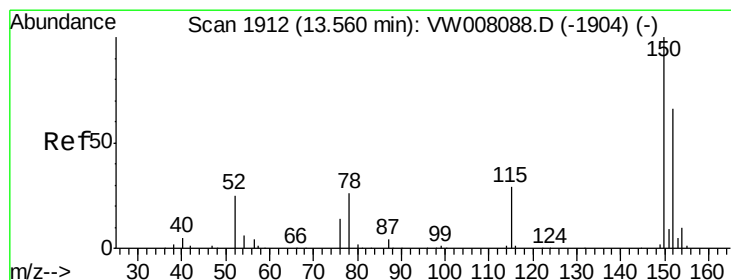
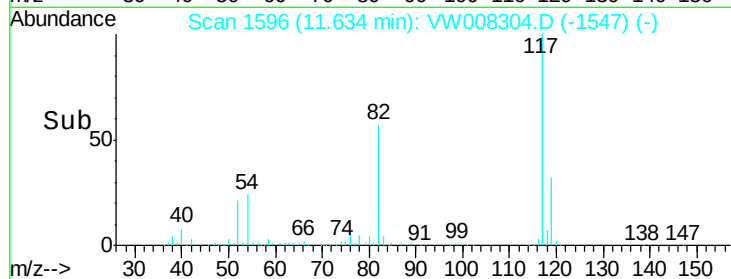
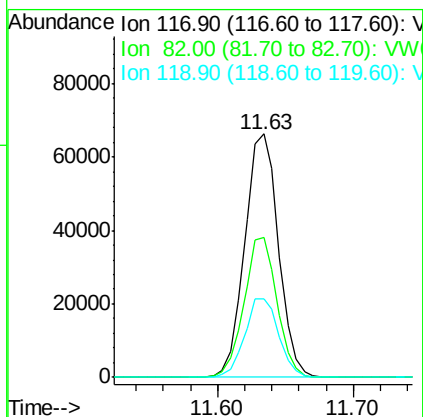
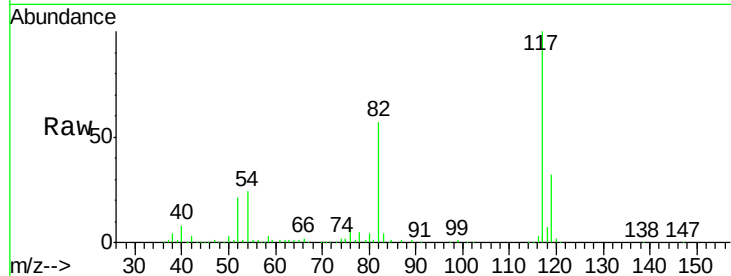




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW008304.D  
Acq: 16 Jan 2019 13:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-1

Tot Ion:117 Resp: 115047  
Ion Ratio Lower Upper  
117 100  
82 57.1 46.4 69.6  
119 32.2 24.7 37.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW008304.D  
Acq: 16 Jan 2019 13:21

Tgt Ion:152 Resp: 40397  
Ion Ratio Lower Upper  
152 100  
115 58.9 30.8 92.4  
150 153.8 0.0 350.2

