

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\  
 Data File : VW011544.D  
 Acq On : 27 Jul 2019 04:20  
 Operator : SY/VA  
 Sample : K4021-09  
 Misc : 9.68G/5.0ML/MSVOA W/SOIL  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-7

Quant Time: Jul 27 06:23:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 00:23:30 2019  
 Response via : Initial Calibration

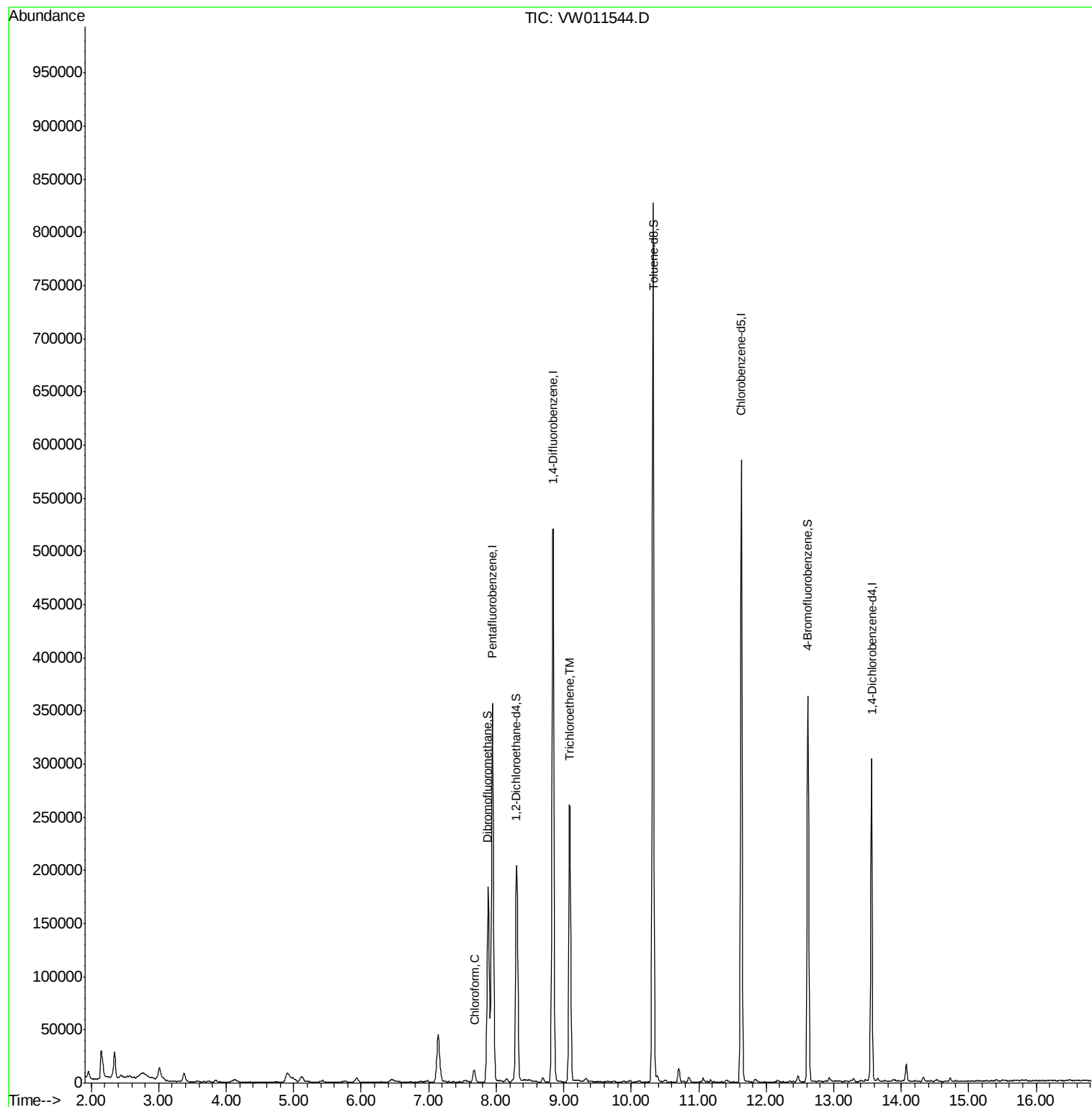
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 257534   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 422380   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 305284   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 75668    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 166520   | 56.31  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.62% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 130985   | 55.28  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.56% |          |
| 50) Toluene-d8              | 10.32 | 98   | 517347   | 53.32  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.64% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 116214   | 33.60  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 67.20%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 30) Chloroform              | 7.67  | 83   | 10754    | 2.024  | ug/l    | 98       |
| 44) Trichloroethene         | 9.09  | 130  | 89738    | 30.350 | ug/l    | 96       |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jul 27 00:23:30 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: VW011544.D

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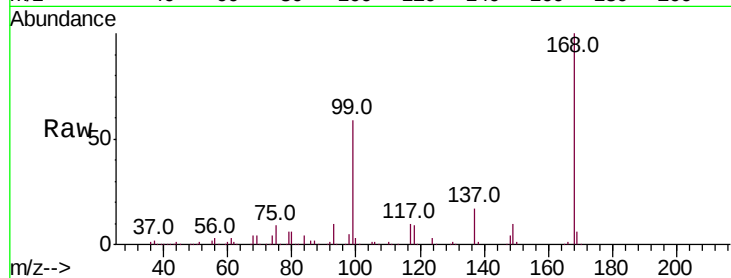
Instrument :  
MSVOA\_W  
ClientSampled :  
TP-7

Tot Ion:168 Resp: 257534

Ion Ratio Lower Upper

168 100

99 59.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

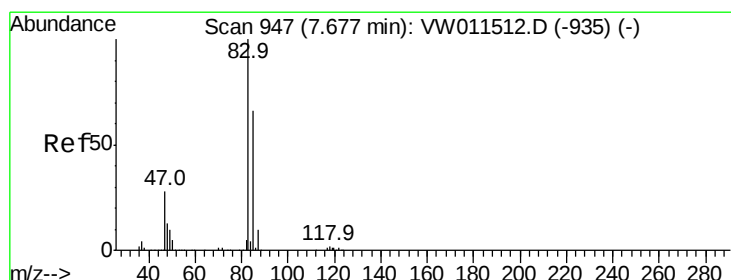
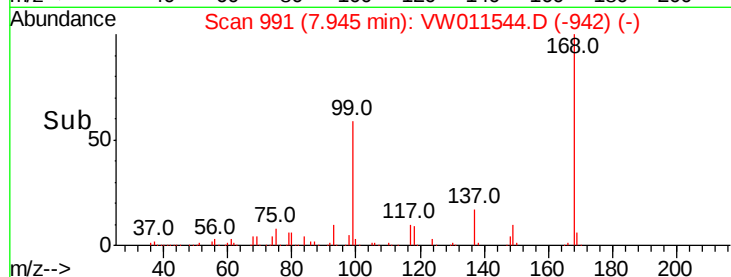
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#30

Chloroform

Concen: 2.024 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW011544.D

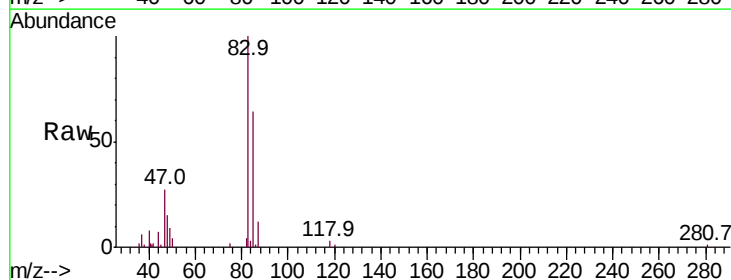
Acq: 27 Jul 2019 04:20

Tgt Ion: 83 Resp: 10754

Ion Ratio Lower Upper

83 100

85 64.4 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

7.67

5000

4000

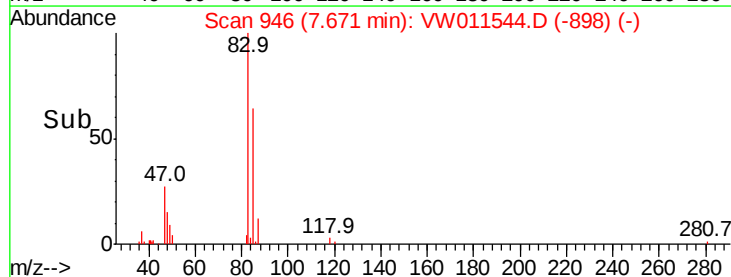
3000

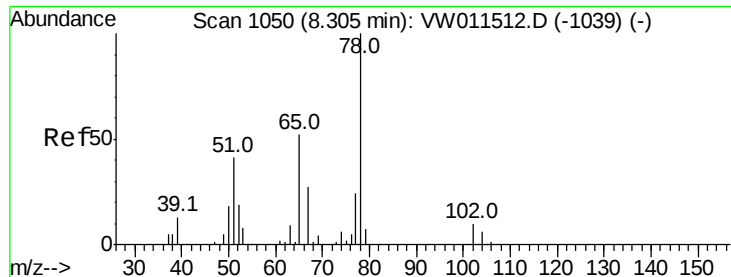
2000

1000

0

Time--> 7.55 7.60 7.65 7.70 7.75

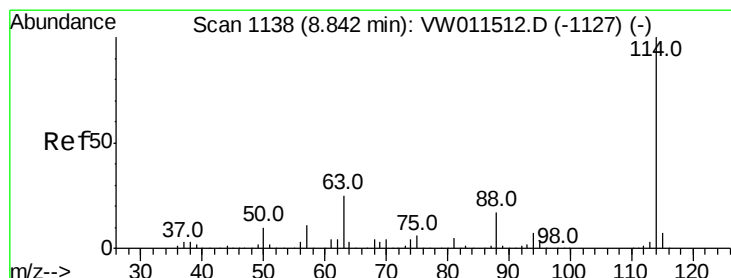
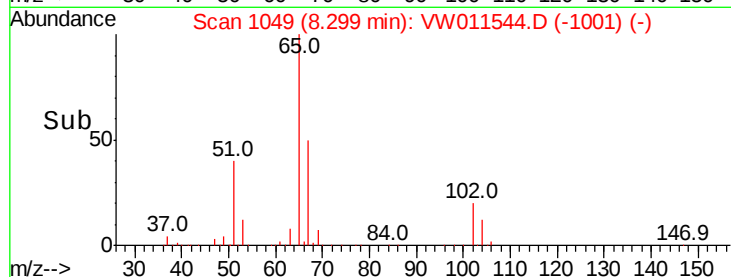
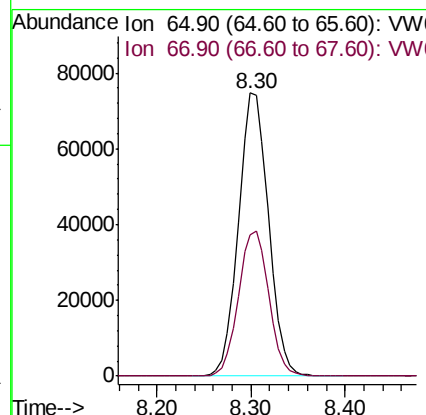
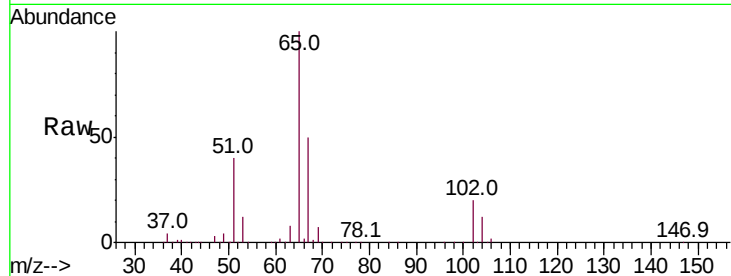




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.310 ug/l  
 RT: 8.30 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: VW011544.D  
 Acq: 27 Jul 2019 04:20

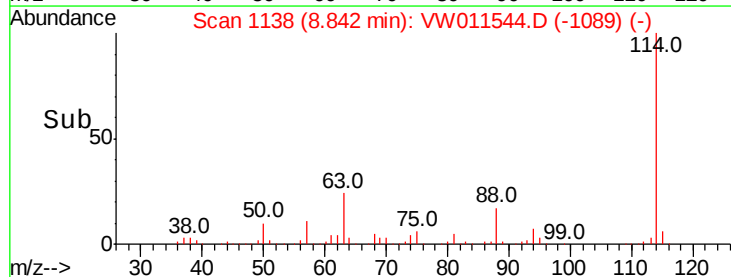
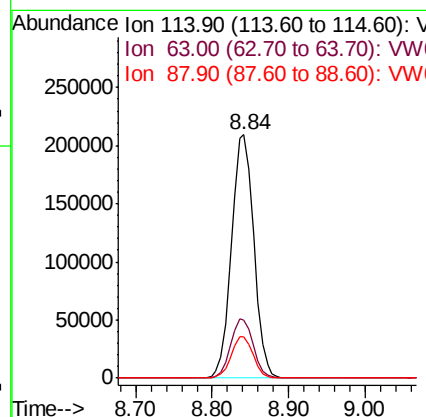
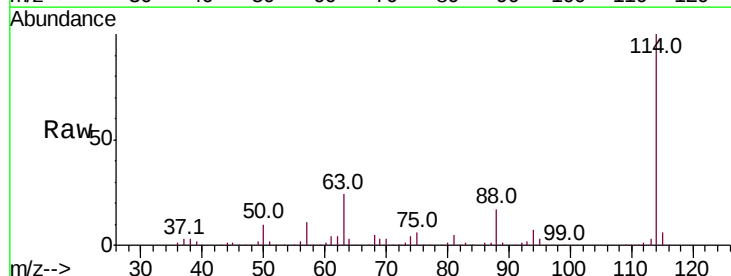
Instrument :  
 MSVOA\_W  
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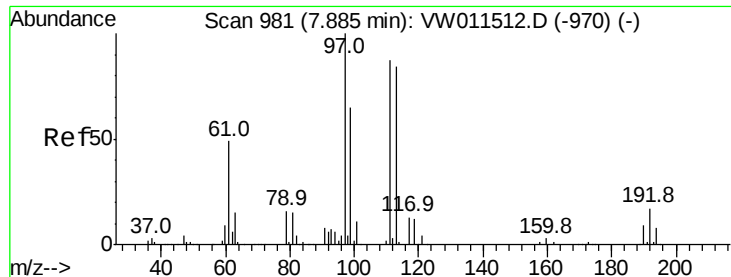
Tot Ion: 65 Resp: 166520  
 Ion Ratio Lower Upper  
 65 100  
 67 51.8 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW011544.D  
 Acq: 27 Jul 2019 04:20

Tgt Ion: 114 Resp: 422380  
 Ion Ratio Lower Upper  
 114 100  
 63 23.6 0.0 49.2  
 88 16.8 0.0 33.8

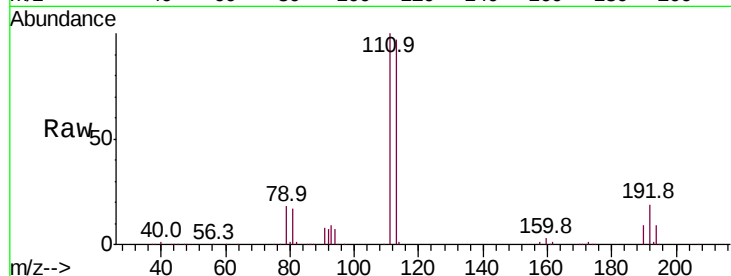




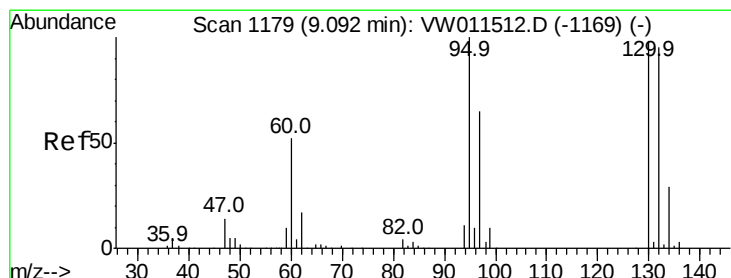
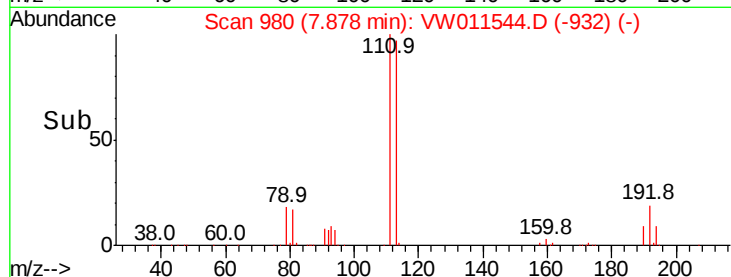
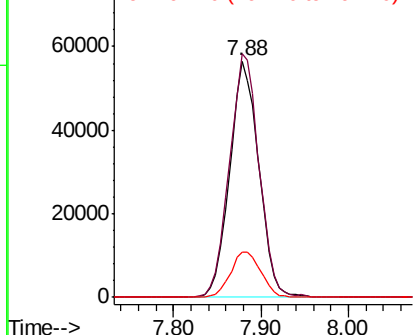
#35  
 Dibromofluoromethane  
 Concen: 55.277 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.01 min  
 Lab File: VW011544.D  
 Acq: 27 Jul 2019 04:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.9 | 82.7  | 124.1 |
| 192     | 20.1  | 16.1  | 24.1  |

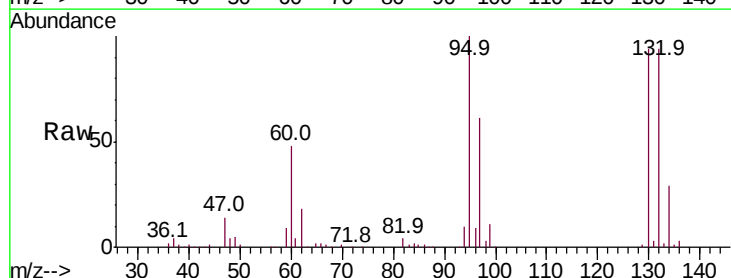


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

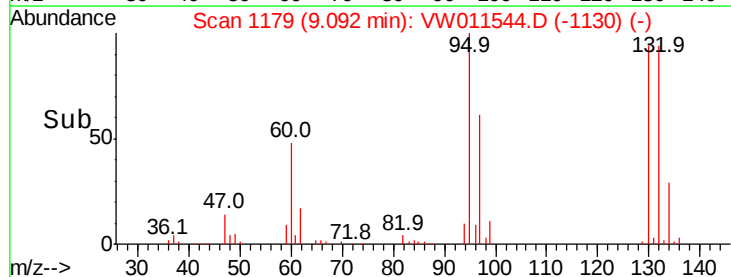
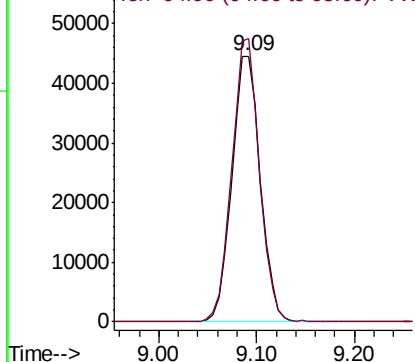


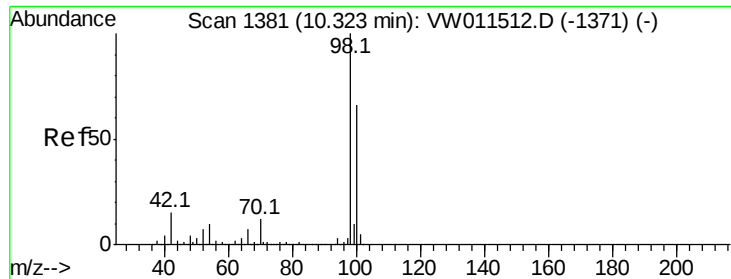
#44  
 Trichloroethene  
 Concen: 30.350 ug/l  
 RT: 9.09 min Scan# 1179  
 Delta R.T. 0.00 min  
 Lab File: VW011544.D  
 Acq: 27 Jul 2019 04:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 106.4 | 0.0   | 204.8 |



Abundance Ion 129.80 (129.50 to 130.50): V  
 Ion 94.90 (94.60 to 95.60): V

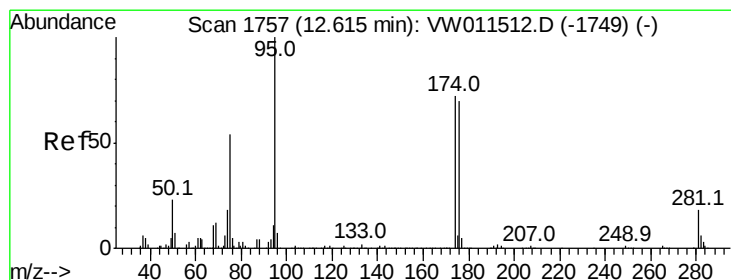
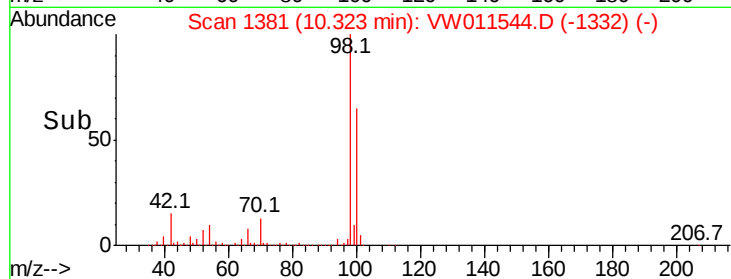
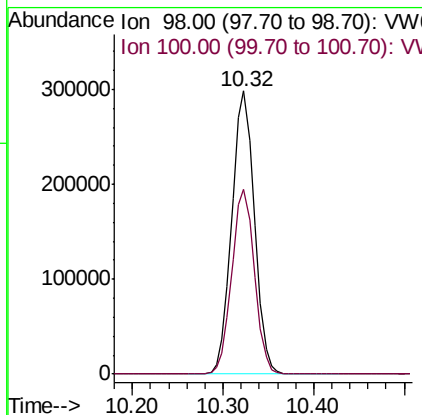
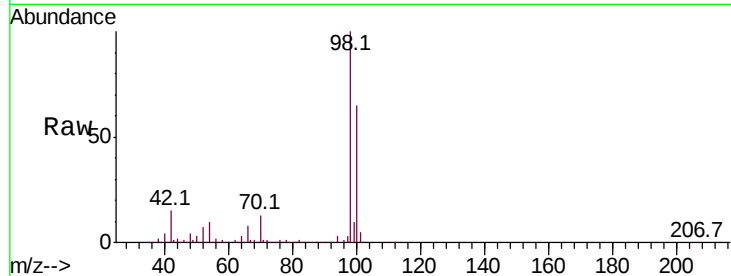




#50  
Toluene-d8  
Concen: 53.324 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW011544.D  
Acq: 27 Jul 2019 04:20

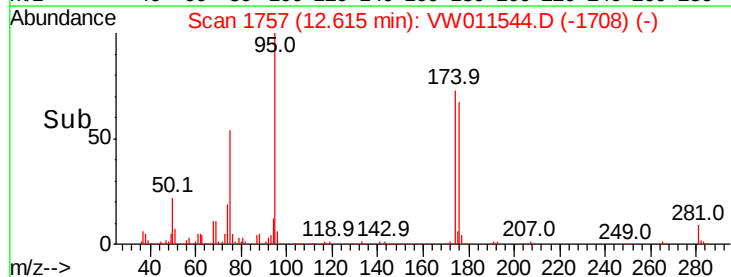
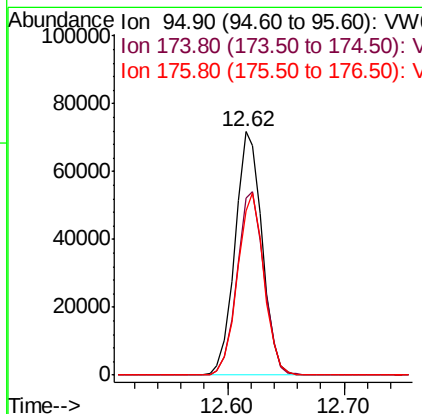
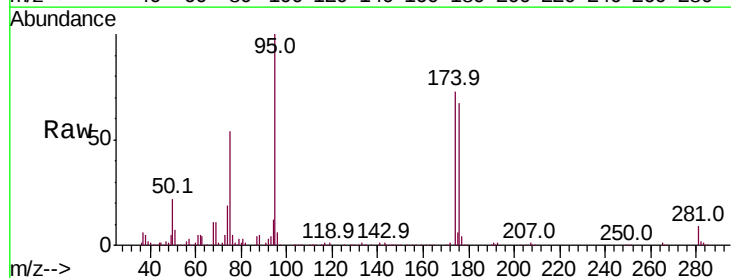
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-7

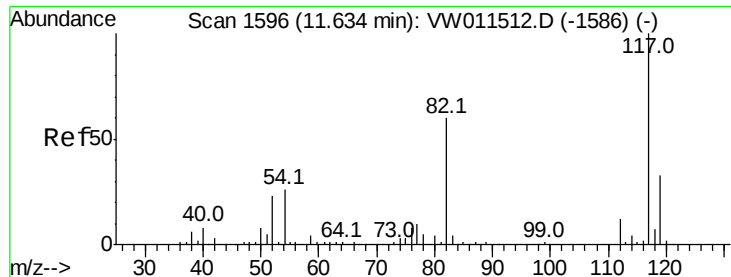
Tot Ion: 98 Resp: 517347  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.7 79.1



#62  
4-Bromofluorobenzene  
Concen: 33.598 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.00 min  
Lab File: VW011544.D  
Acq: 27 Jul 2019 04:20

Tgt Ion: 95 Resp: 116214  
Ion Ratio Lower Upper  
95 100  
174 75.3 0.0 150.2  
176 72.9 0.0 144.4

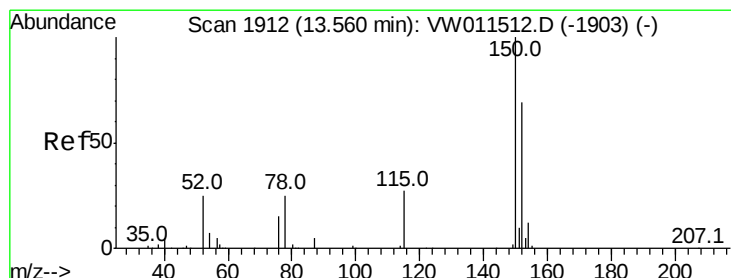
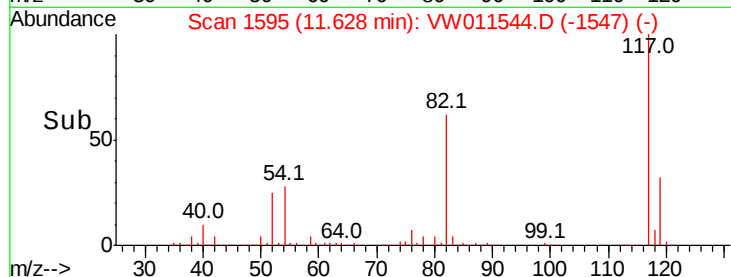
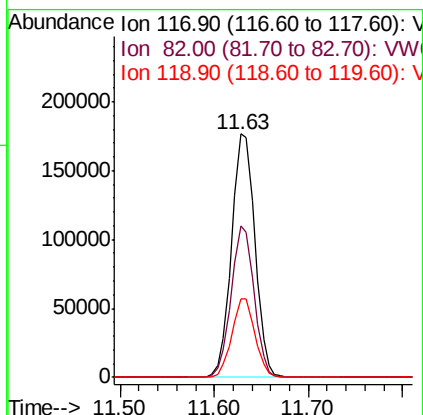
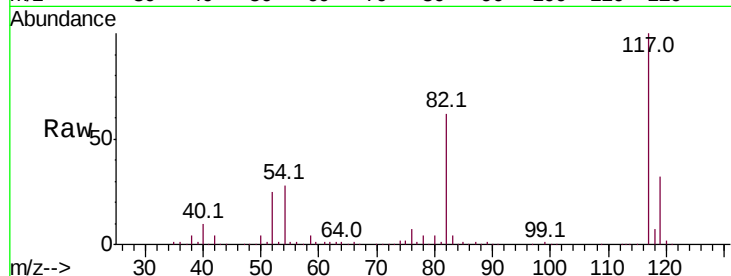




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW011544.D  
Acq: 27 Jul 2019 04:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-7

Tot Ion:117 Resp: 305284  
Ion Ratio Lower Upper  
117 100  
82 62.1 47.9 71.9  
119 32.0 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: VW011544.D  
Acq: 27 Jul 2019 04:20

Tgt Ion:152 Resp: 75668  
Ion Ratio Lower Upper  
152 100  
115 59.7 30.5 91.5  
150 156.1 0.0 352.6

