

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\  
 Data File : VW012591.D  
 Acq On : 04 Sep 2019 13:41  
 Operator : SY/VA  
 Sample : K4619-15  
 Misc : 5.72G/5ML/MSVOA W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP5-COMP

Quant Time: Sep 04 15:03:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 26 07:18:31 2019  
 Response via : Initial Calibration

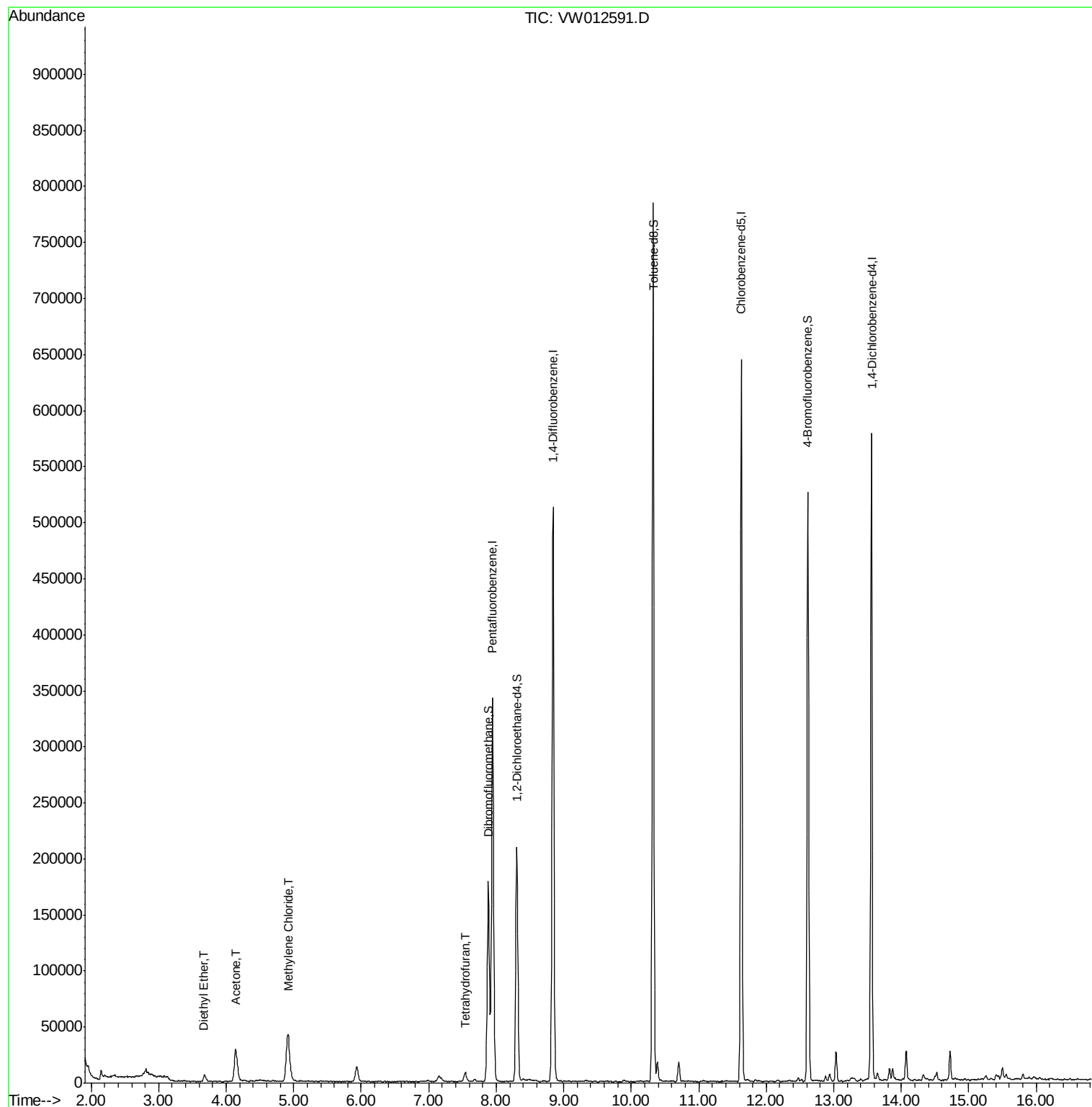
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 241935   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 397065   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 333964   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 143388   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 165703   | 57.62  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 115.24% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 124870   | 52.69  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.38% |          |
| 50) Toluene-d8              | 10.32 | 98   | 489267   | 50.91  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.82% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 158010   | 46.64  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.28%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 8) Diethyl Ether            | 3.67  | 74   | 2938     | 2.182  | ug/l    | 73       |
| 16) Acetone                 | 4.14  | 43   | 63313    | 86.120 | ug/l    | 98       |
| 20) Methylene Chloride      | 4.92  | 84   | 33426    | 12.027 | ug/l    | 97       |
| 29) Tetrahydrofuran         | 7.54  | 42   | 7012     | 11.699 | ug/l    | 94       |

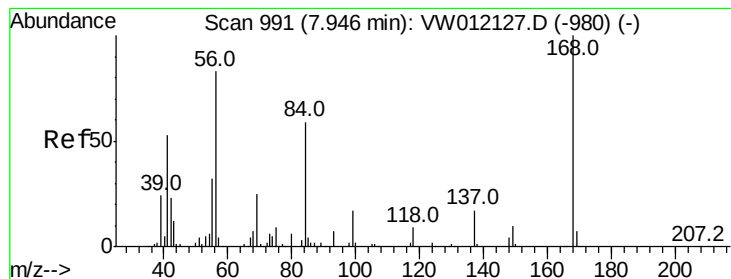
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090419\  
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MSVOA\_W  
ClientSampleId :  
TP5-COMP

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 26 07:18:31 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: VW012591.D

Acq: 04 Sep 2019 13:41

Instrument :

MSVOA\_W

ClientSampleId :

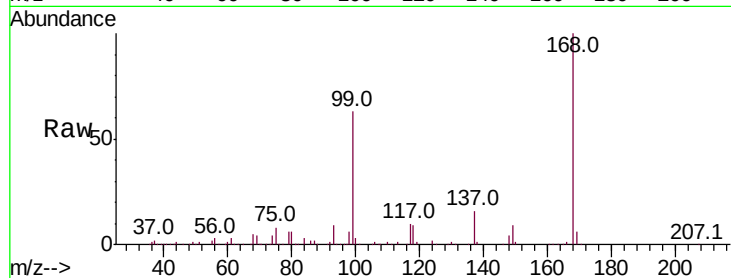
TP5-COMP

Tot Ion:168 Resp: 241935

Ion Ratio Lower Upper

168 100

99 62.7 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

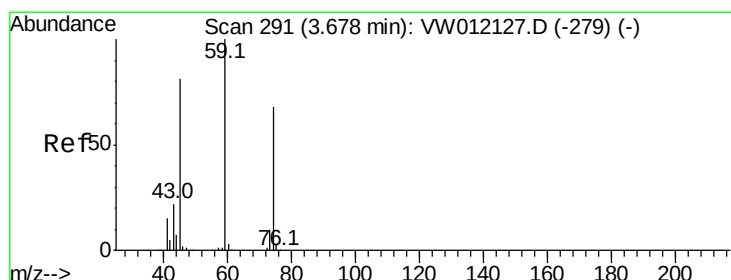
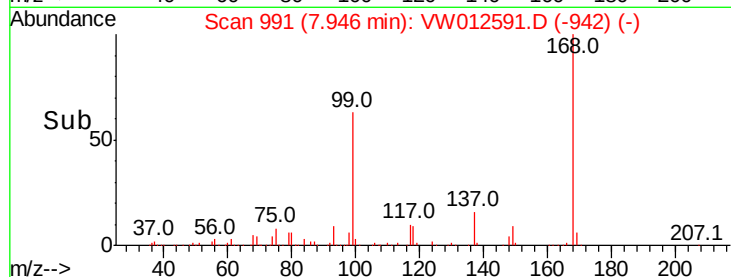
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.182 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012591.D

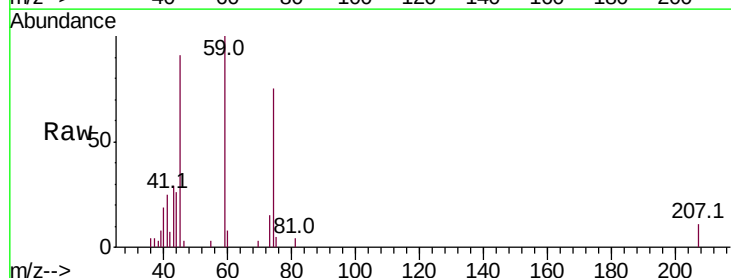
Acq: 04 Sep 2019 13:41

Tgt Ion: 74 Resp: 2938

Ion Ratio Lower Upper

74 100

45 148.7 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

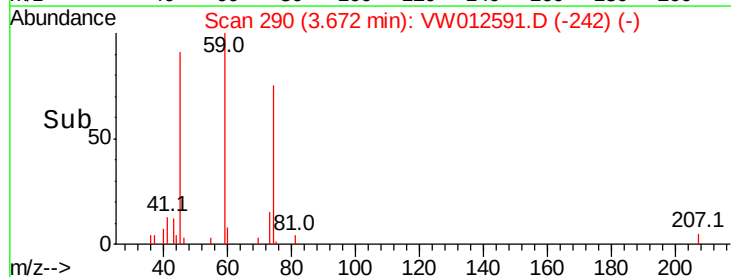
1500

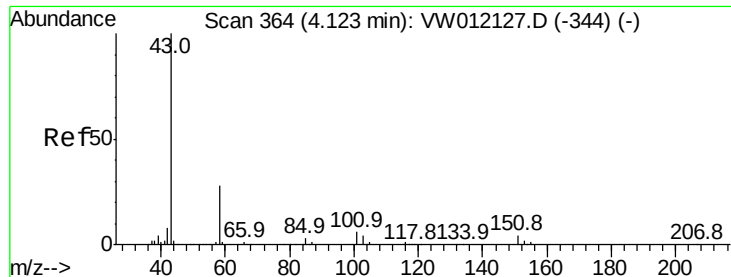
1000

500

0

Time--> 3.60 3.65 3.70 3.75

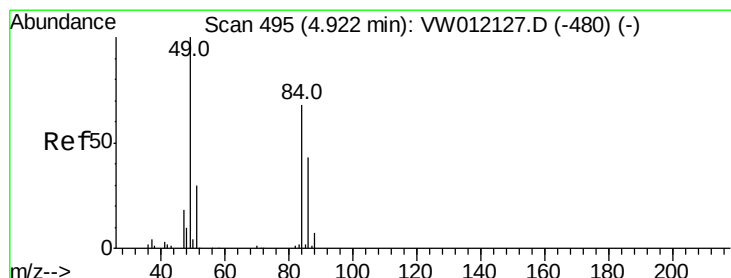
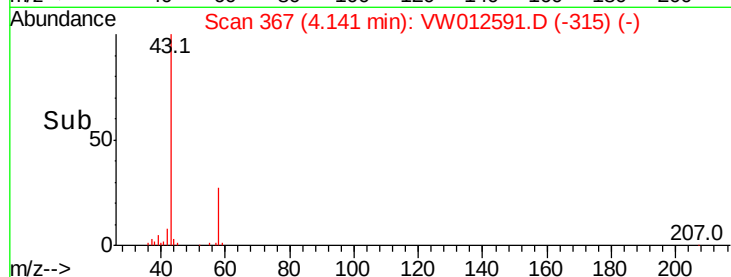
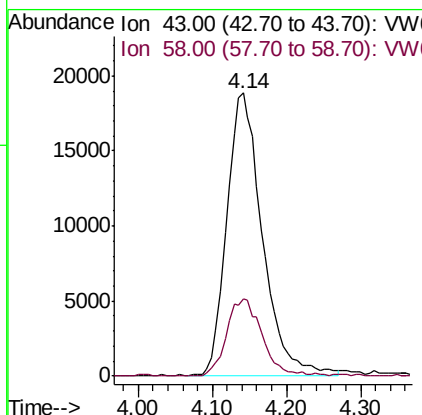
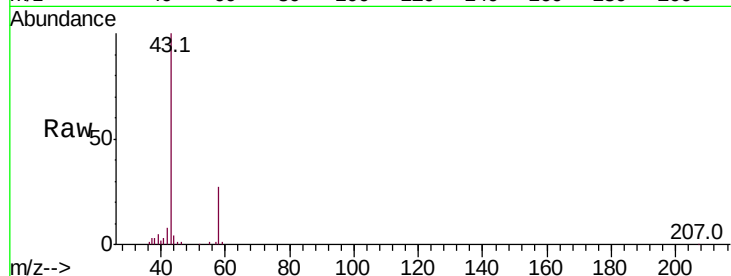




#16  
Acetone  
Concen: 86.120 ug/l  
RT: 4.14 min Scan# 367  
Delta R.T. 0.02 min  
Lab File: VW012591.D  
Acq: 04 Sep 2019 13:41

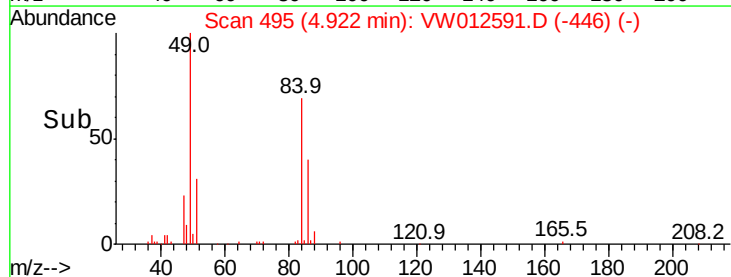
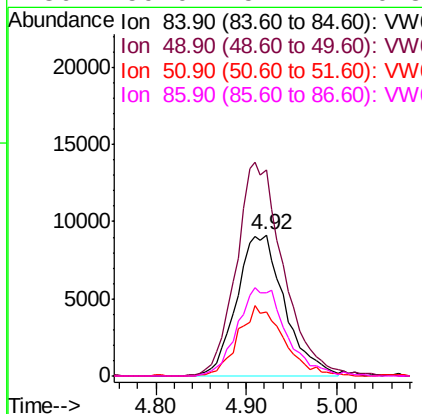
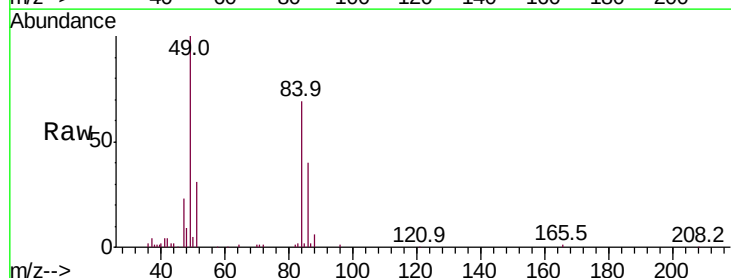
Instrument :  
MSVOA\_W  
ClientSampled :  
TP5-COMP

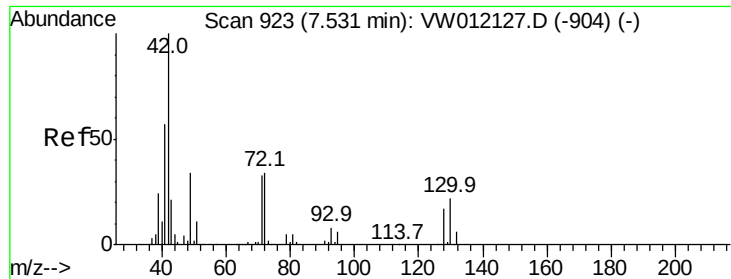
Tot Ion: 43 Resp: 63313  
Ion Ratio Lower Upper  
43 100  
58 27.2 22.4 33.6



#20  
Methylene Chloride  
Concen: 12.027 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. 0.00 min  
Lab File: VW012591.D  
Acq: 04 Sep 2019 13:41

Tgt Ion: 84 Resp: 33426  
Ion Ratio Lower Upper  
84 100  
49 145.0 117.8 176.8  
51 45.2 35.6 53.4  
86 59.0 51.2 76.8

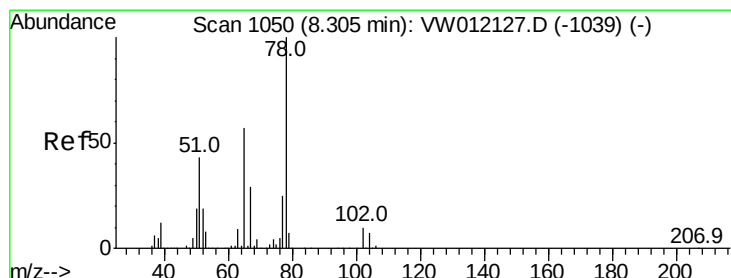
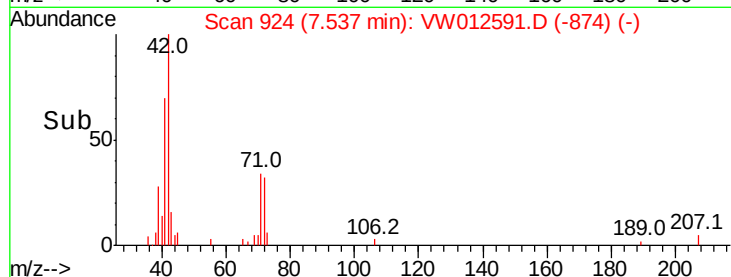
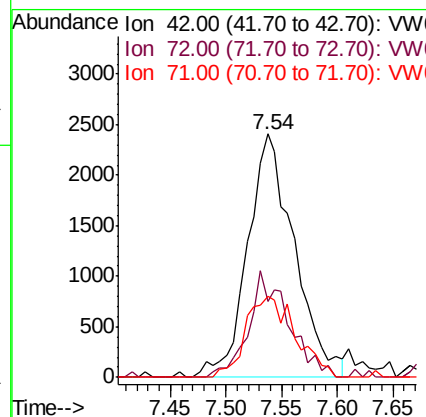
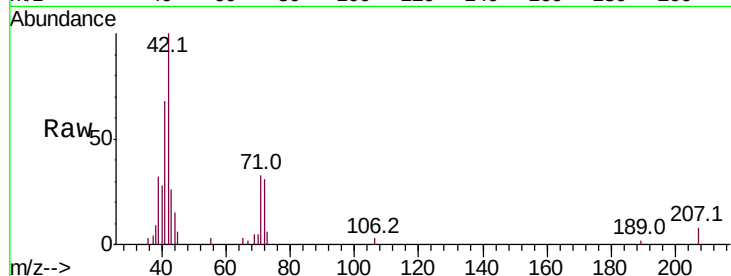




#29  
Tetrahydrofuran  
Concen: 11.699 ug/l  
RT: 7.54 min Scan# 924  
Delta R.T. 0.01 min  
Lab File: VW012591.D  
Acq: 04 Sep 2019 13:41

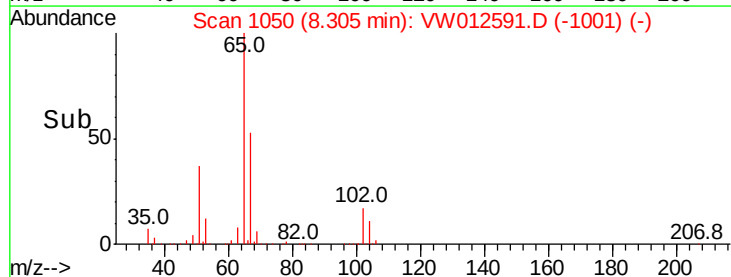
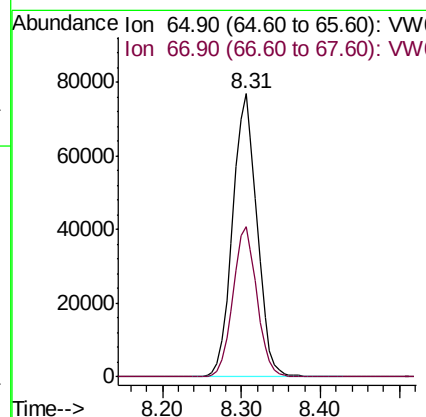
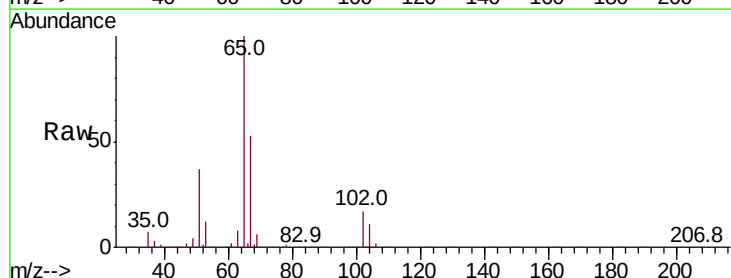
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP5-COMP

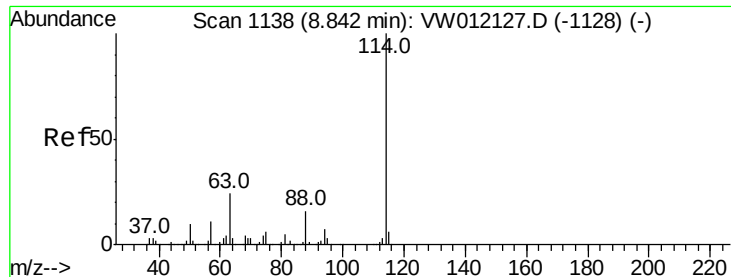
Tot Ion: 42 Resp: 7012  
Ion Ratio Lower Upper  
42 100  
72 37.5 27.3 40.9  
71 35.5 25.5 38.3



#33  
1,2-Dichloroethane-d4  
Concen: 57.615 ug/l  
RT: 8.31 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VW012591.D  
Acq: 04 Sep 2019 13:41

Tgt Ion: 65 Resp: 165703  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 102.6

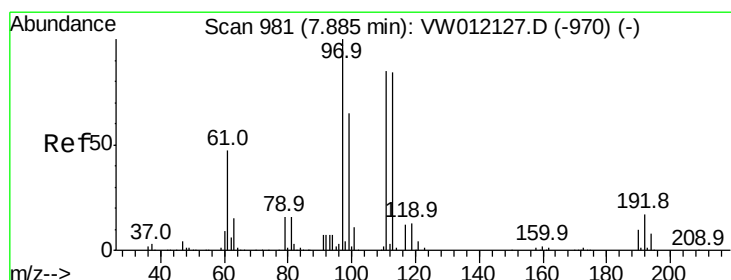
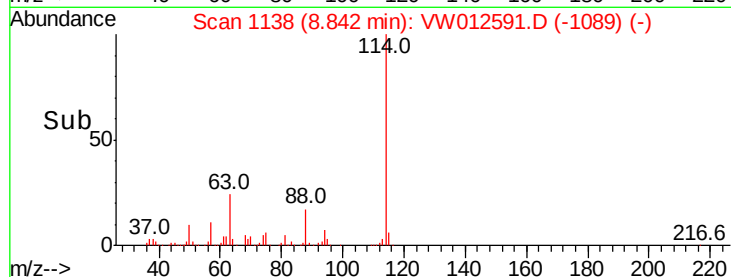
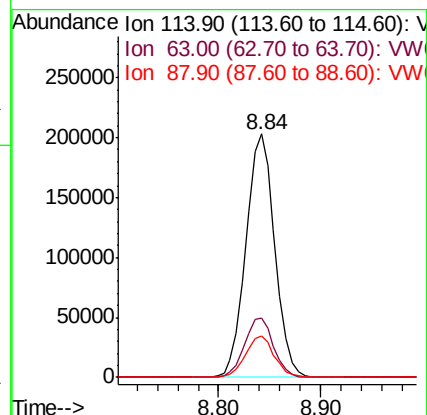
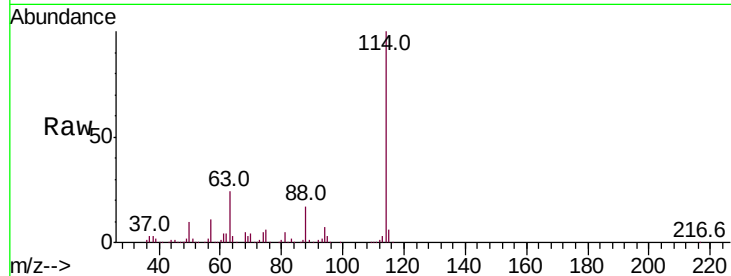




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. 0.00 min  
Lab File: VW012591.D  
Acq: 04 Sep 2019 13:41

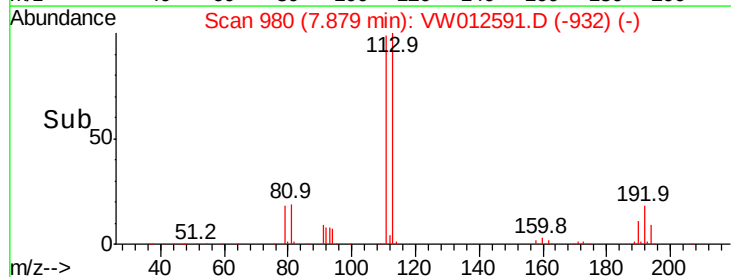
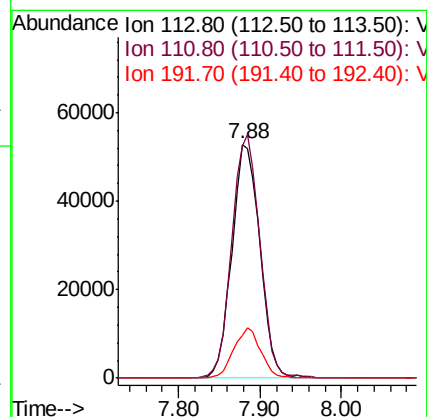
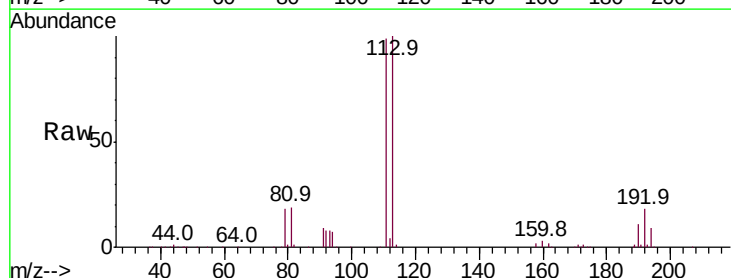
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP5-COMP

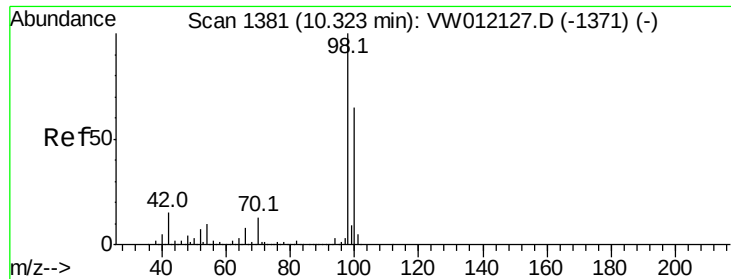
Tot Ion:114 Resp: 397065  
Ion Ratio Lower Upper  
114 100  
63 24.3 0.0 48.6  
88 16.9 0.0 32.2



#35  
Dibromofluoromethane  
Concen: 52.686 ug/l  
RT: 7.88 min Scan# 980  
Delta R.T. -0.01 min  
Lab File: VW012591.D  
Acq: 04 Sep 2019 13:41

Tgt Ion:113 Resp: 124870  
Ion Ratio Lower Upper  
113 100  
111 104.0 82.7 124.1  
192 20.5 16.2 24.2

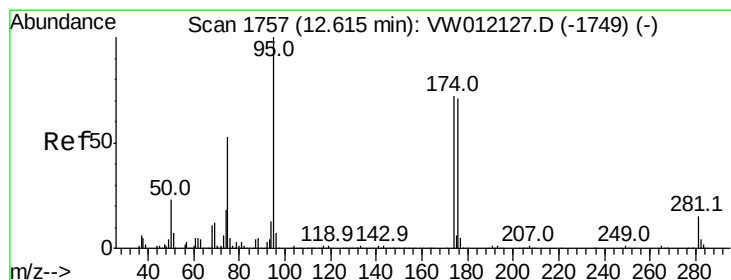
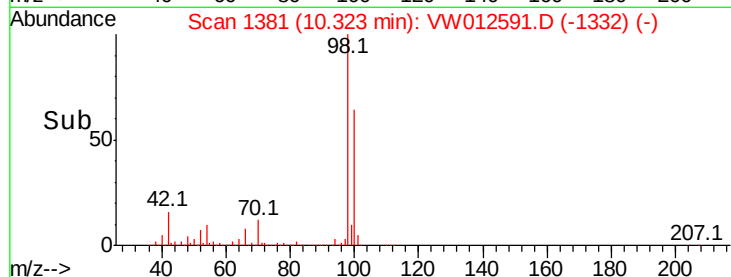
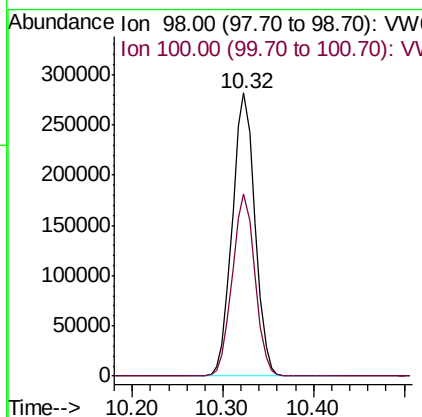
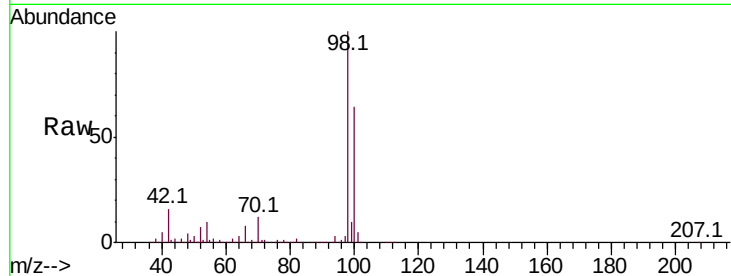




#50  
Toluene-d8  
Concen: 50.912 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW012591.D  
Acq: 04 Sep 2019 13:41

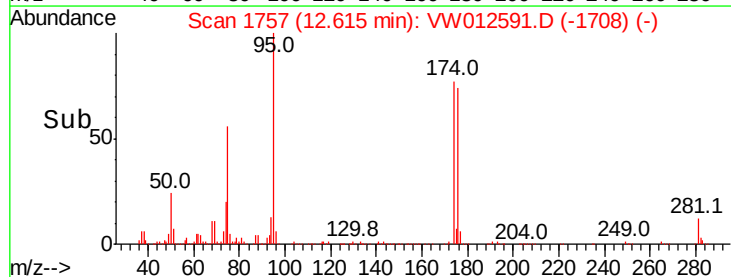
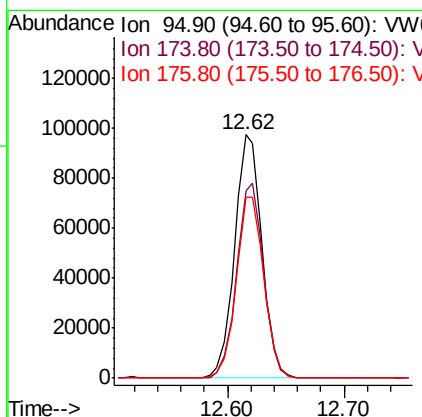
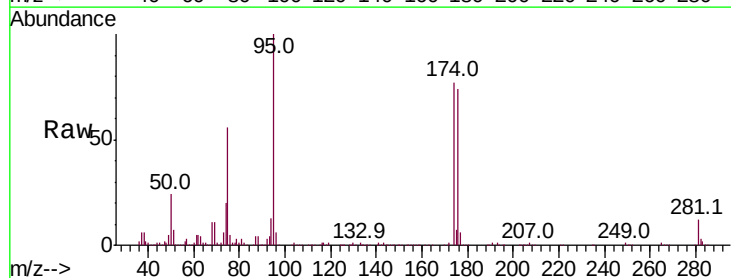
Instrument :  
MSVOA\_W  
ClientSampled :  
TP5-COMP

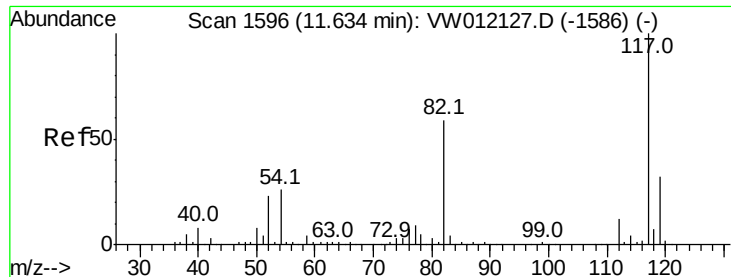
Tot Ion: 98 Resp: 489267  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 46.645 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. 0.00 min  
Lab File: VW012591.D  
Acq: 04 Sep 2019 13:41

Tgt Ion: 95 Resp: 158010  
Ion Ratio Lower Upper  
95 100  
174 79.7 0.0 150.8  
176 75.6 0.0 148.6

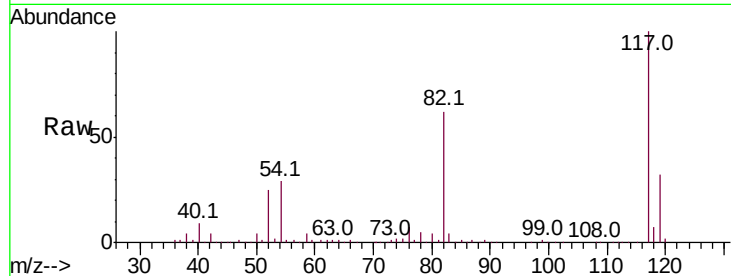




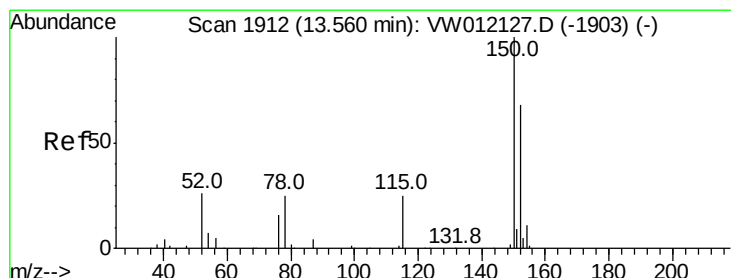
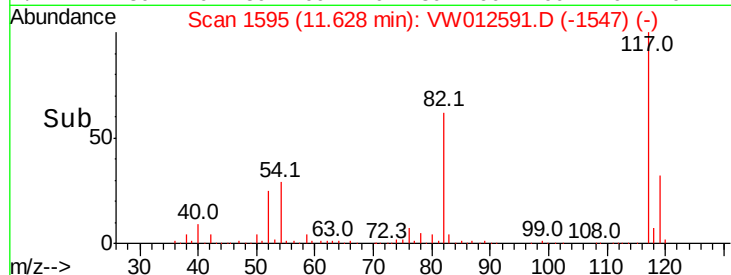
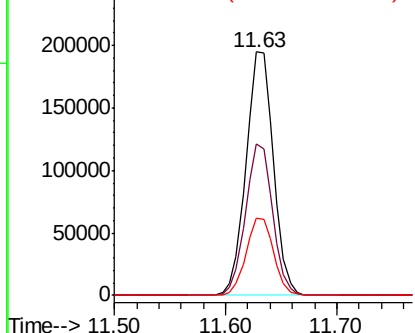
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW012591.D  
Acq: 04 Sep 2019 13:41

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP5-COMP

Tot Ion:117 Resp: 333964  
Ion Ratio Lower Upper  
117 100  
82 62.1 47.4 71.2  
119 31.7 25.4 38.2

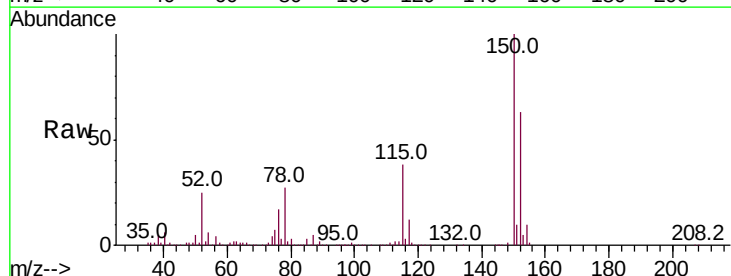


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VW  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW012591.D  
Acq: 04 Sep 2019 13:41

Tgt Ion:152 Resp: 143388  
Ion Ratio Lower Upper  
152 100  
115 60.4 30.1 90.3  
150 155.6 0.0 345.8



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

