

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011219\  
 Data File : VU029147.D  
 Acq On : 11 Jan 2019 17:30  
 Operator : JC/SP  
 Sample : K1136-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-103

Quant Time: Jan 14 11:02:33 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 04 02:22:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 165480   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.88  | 114  | 287586   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 270958   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 108237   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 5.31   | 65  | 116704   | 57.05 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 114.10% |      |
| 35) Dibromofluoromethane    | 4.88   | 113 | 100945   | 54.15 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 108.30% |      |
| 50) Toluene-d8              | 7.56   | 98  | 371741   | 50.51 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.02% |      |
| 62) 4-Bromofluorobenzene    | 10.31  | 95  | 116223   | 43.94 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 87.88%  |      |

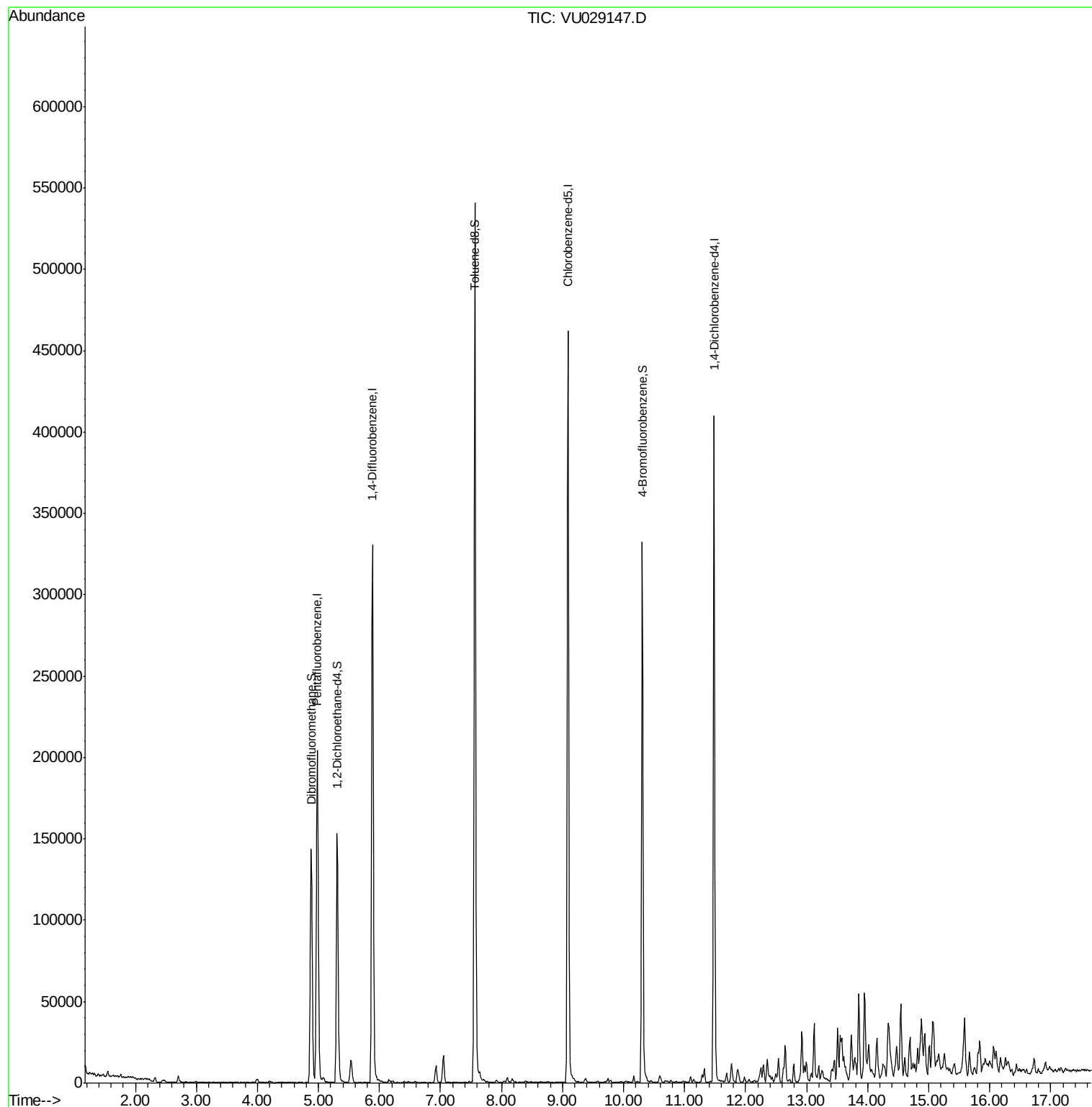
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

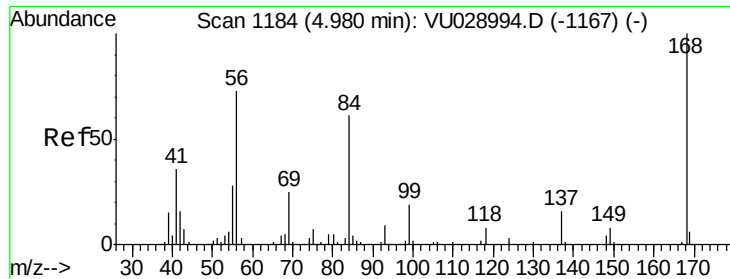
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU011219\  
Data File : VU029147.D  
Acq On : 11 Jan 2019 17:30  
Operator : JC/SP  
Sample : K1136-02  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-103

Quant Time: Jan 14 11:02:33 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 04 02:22:53 2019  
Response via : Initial Calibration

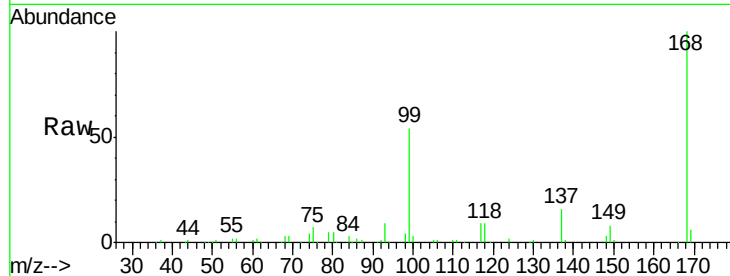




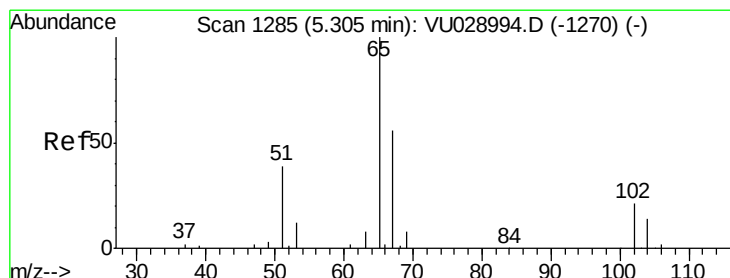
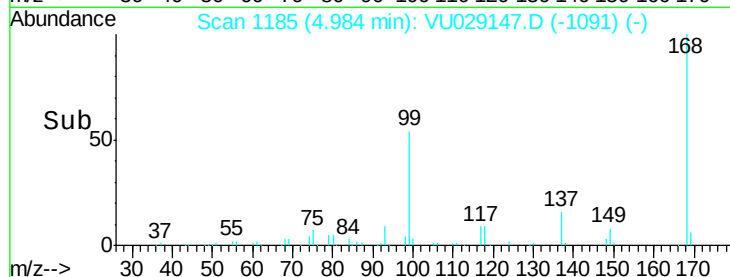
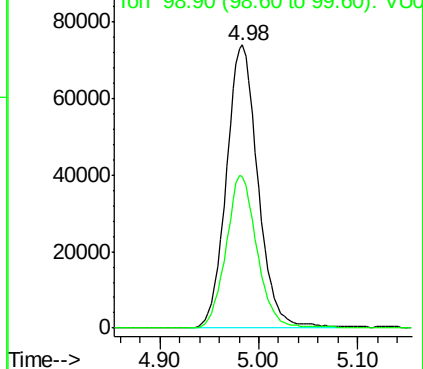
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 4.98 min Scan# 1185  
Delta R.T. 0.00 min  
Lab File: VU029147.D  
Acq: 11 Jan 2019 17:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-103

Tot Ion:168 Resp: 165480  
Ion Ratio Lower Upper  
168 100  
99 53.7 42.0 63.0

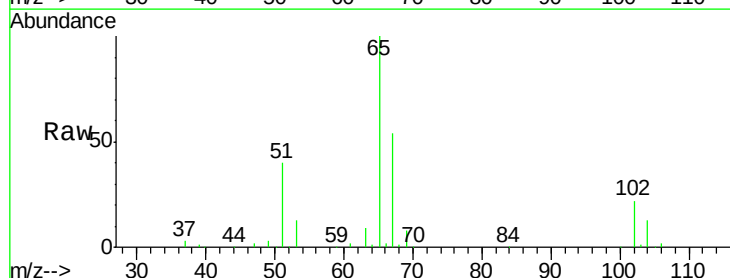


Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)  
Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

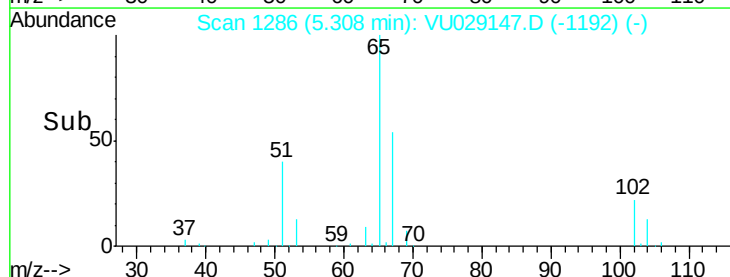
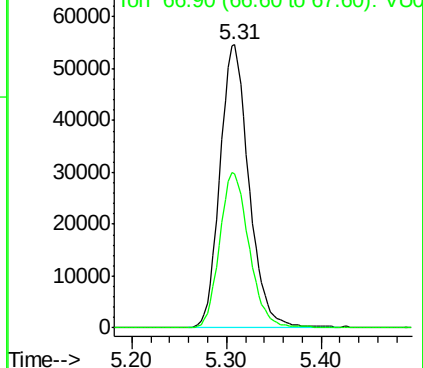


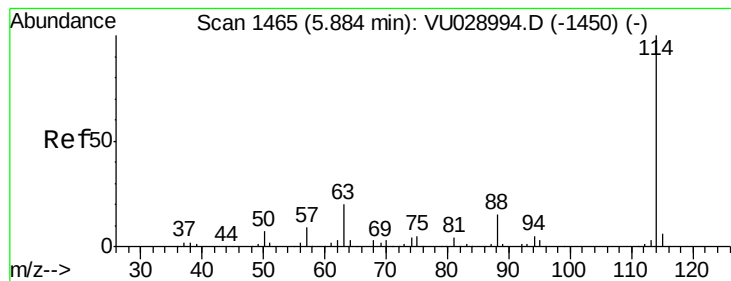
#33  
1,2-Dichloroethane-d4  
Concen: 57.050 ug/l  
RT: 5.31 min Scan# 1286  
Delta R.T. 0.00 min  
Lab File: VU029147.D  
Acq: 11 Jan 2019 17:30

Tgt Ion: 65 Resp: 116704  
Ion Ratio Lower Upper  
65 100  
67 55.3 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU028994.D (-1270) (-)  
Ion 66.90 (66.60 to 67.60): VU028994.D (-1270) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU029147.D

Acq: 11 Jan 2019 17:30

Instrument :

MSVOA\_U

ClientSampleId :

MW-103

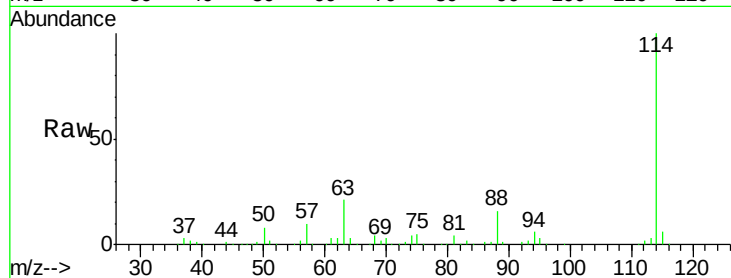
Tot Ion:114 Resp: 287586

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.2

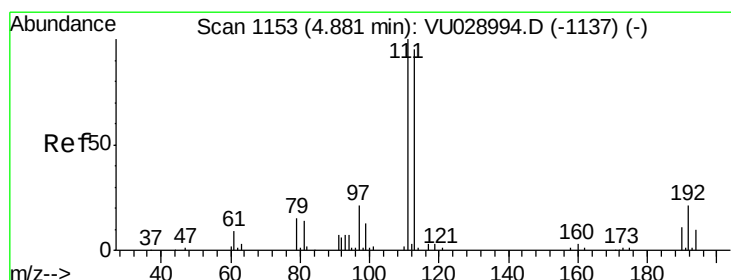
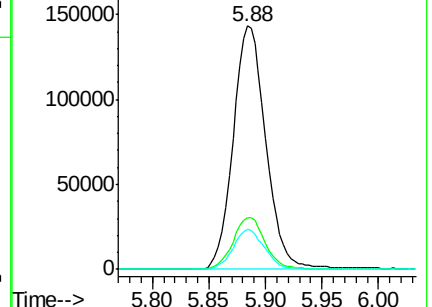
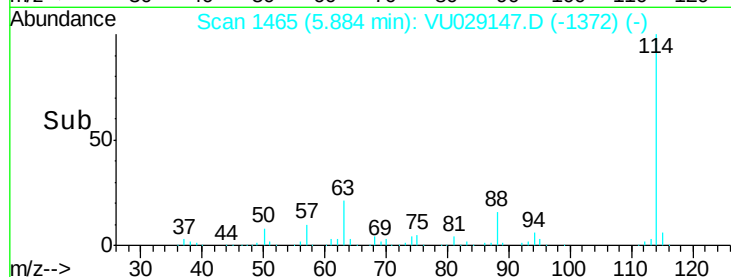
88 16.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 54.149 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029147.D

Acq: 11 Jan 2019 17:30

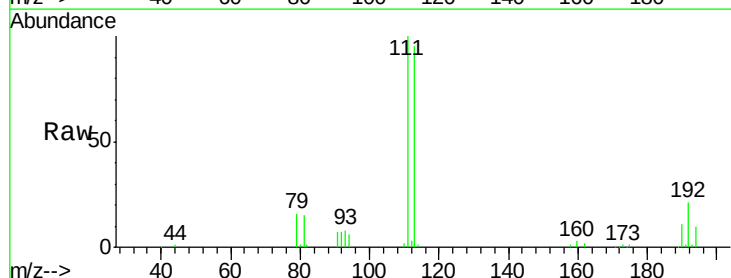
Tgt Ion:113 Resp: 100945

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.2

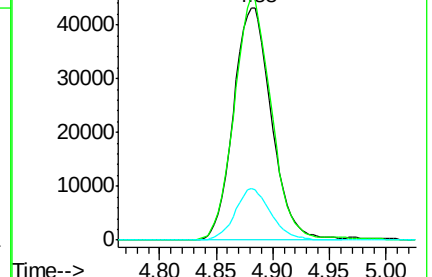
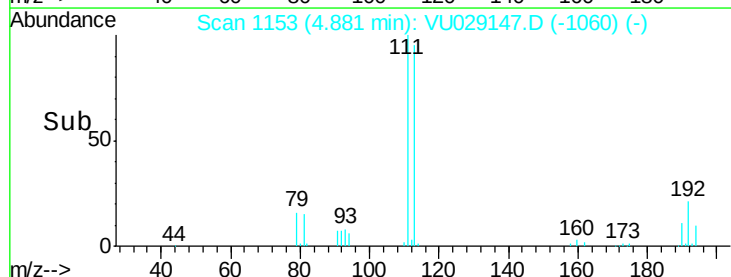
192 20.8 16.8 25.2

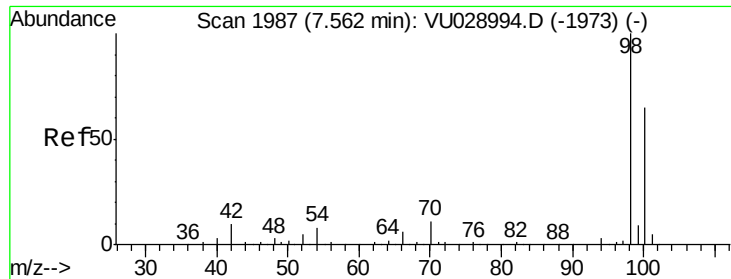


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

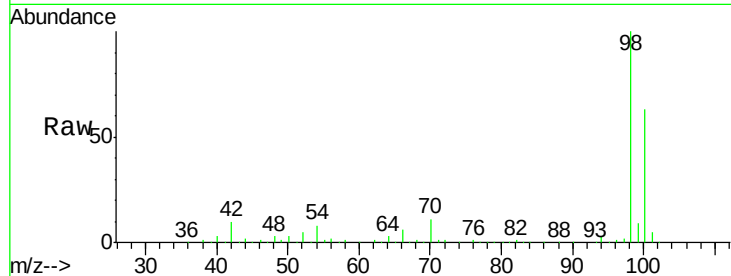




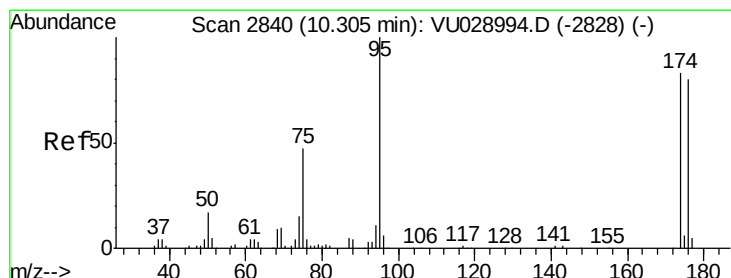
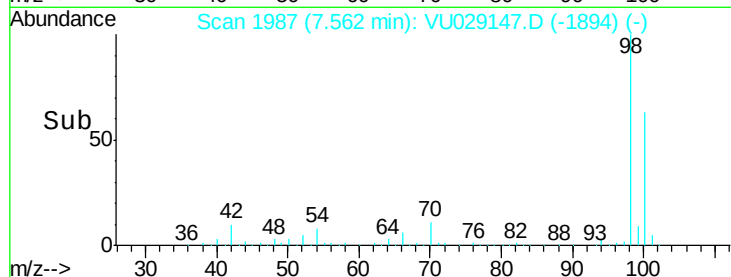
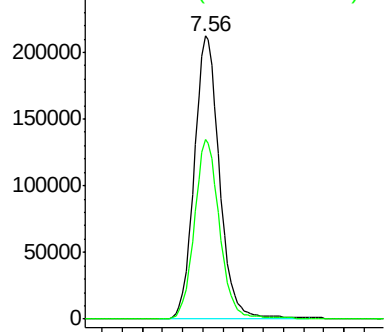
#50  
Toluene-d8  
Concen: 50.510 ug/l  
RT: 7.56 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: VU029147.D  
Acq: 11 Jan 2019 17:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-103

Tot Ion: 98 Resp: 371741  
Ion Ratio Lower Upper  
98 100  
100 63.3 51.6 77.4

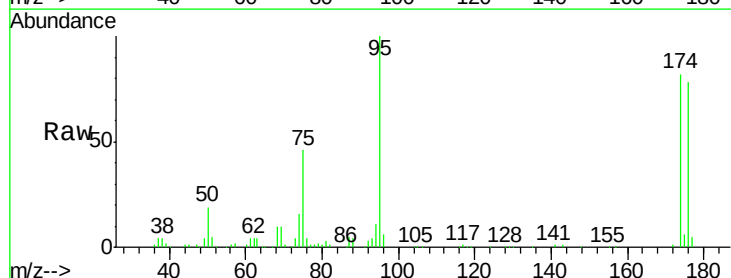


Abundance Ion 98.00 (97.70 to 98.70): VU028994.D (-1973) (-)  
Ion 100.00 (99.70 to 100.70): VU028994.D (-1973) (-)

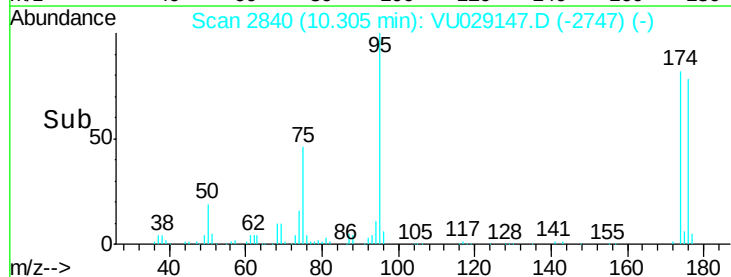
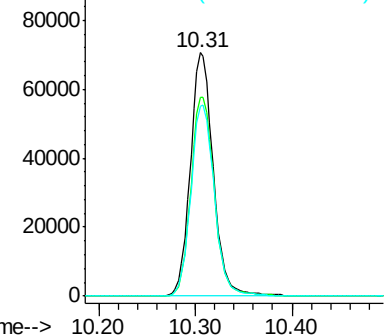


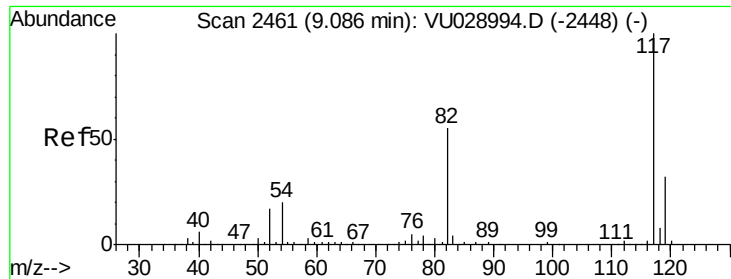
#62  
4-Bromofluorobenzene  
Concen: 43.942 ug/l  
RT: 10.31 min Scan# 2840  
Delta R.T. 0.00 min  
Lab File: VU029147.D  
Acq: 11 Jan 2019 17:30

Tgt Ion: 95 Resp: 116223  
Ion Ratio Lower Upper  
95 100  
174 83.7 0.0 170.6  
176 80.3 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU028994.D (-2828) (-)  
Ion 173.80 (173.50 to 174.50): VU028994.D (-2828) (-)  
Ion 175.80 (175.50 to 176.50): VU028994.D (-2828) (-)

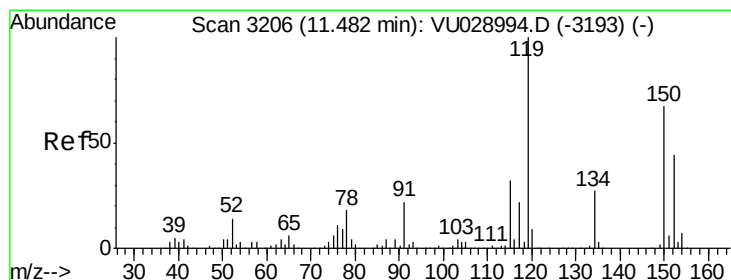
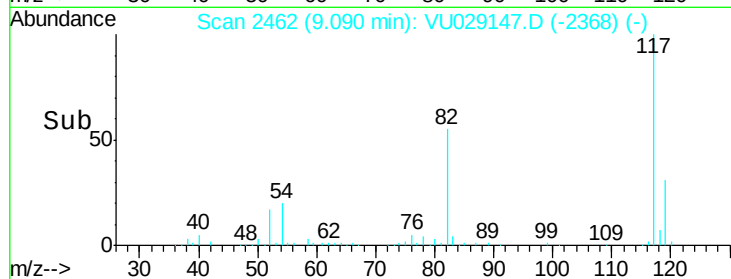
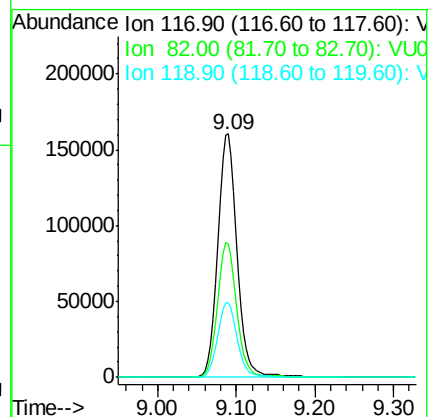
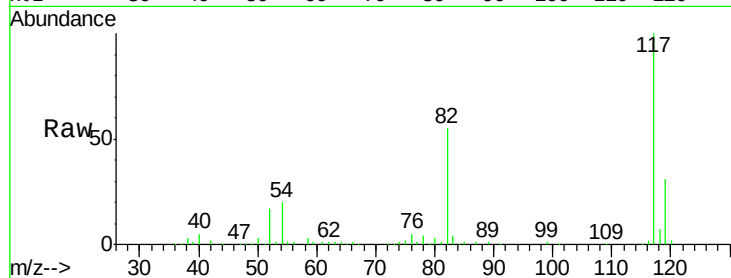




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. 0.00 min  
Lab File: VU029147.D  
Acq: 11 Jan 2019 17:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-103

Tot Ion:117 Resp: 270958  
Ion Ratio Lower Upper  
117 100  
82 55.1 43.9 65.9  
119 30.9 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3206  
Delta R.T. 0.00 min  
Lab File: VU029147.D  
Acq: 11 Jan 2019 17:30

Tgt Ion:152 Resp: 108237  
Ion Ratio Lower Upper  
152 100  
115 58.4 40.1 120.3  
150 159.1 0.0 345.2

