

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\  
 Data File : VU027263.D  
 Acq On : 28 Sep 2018 11:59  
 Operator : MD/SY  
 Sample : J5038-04  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ER1-092018

Quant Time: Sep 28 17:25:22 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U092218W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 22 01:31:57 2018  
 Response via : Initial Calibration

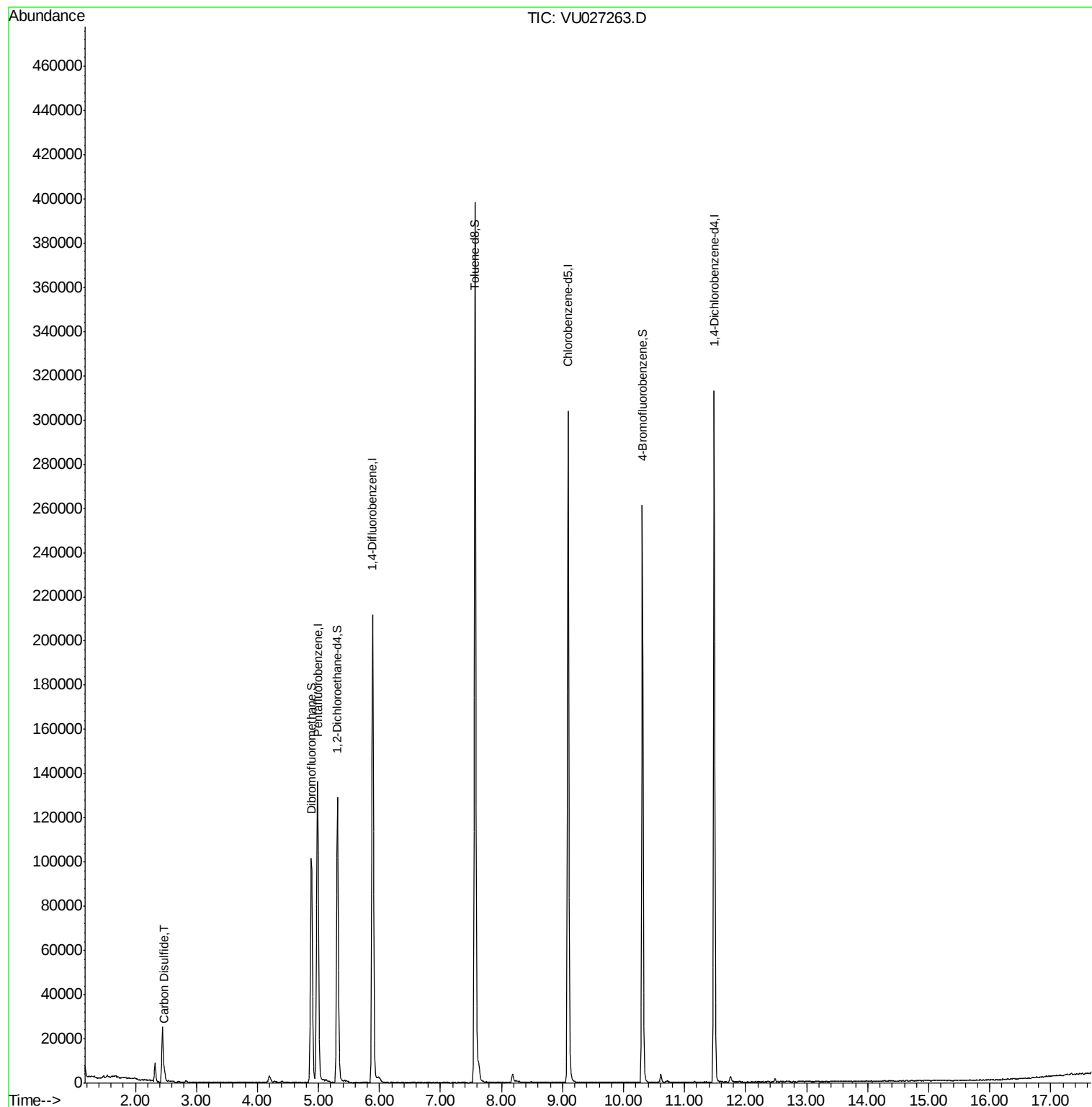
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|--------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 4.98   | 168  | 96613    | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 5.89   | 114  | 164189   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 9.09   | 117  | 157089   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 11.48  | 152  | 74230    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |        |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 5.31   | 65   | 100153   | 51.51 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 103.02% |           |
| 35) Dibromofluoromethane    | 4.88   | 113  | 70226    | 49.34 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 98.68%  |           |
| 50) Toluene-d8              | 7.57   | 98   | 263142   | 48.52 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 97.04%  |           |
| 62) 4-Bromofluorobenzene    | 10.31  | 95   | 86416    | 46.43 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 92.86%  |           |
| Target Compounds            |        |      |          |       |         |           |
| 17) Carbon Disulfide        | 2.48   | 76   | 5096     | 1.172 | ug/l    | Qvalue 96 |

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

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QLast Update : Sat Sep 22 01:31:57 2018  
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: VU027263.D

Acq: 28 Sep 2018 11:59

Instrument :

MSVOA\_U

ClientSampleId :

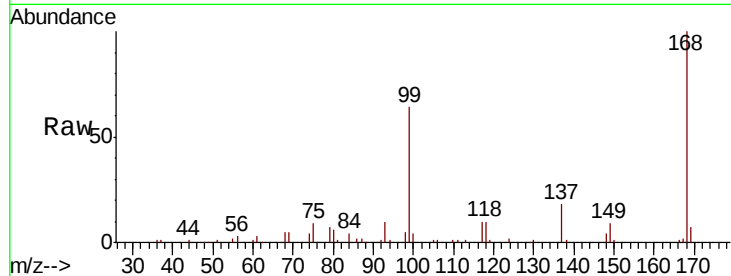
ER1-092018

Tot Ion:168 Resp: 96613

Ion Ratio Lower Upper

168 100

99 63.7 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.98

40000

30000

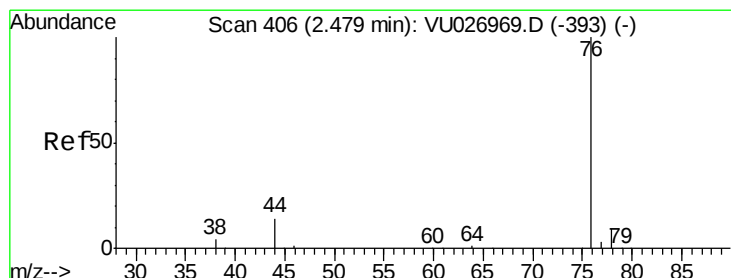
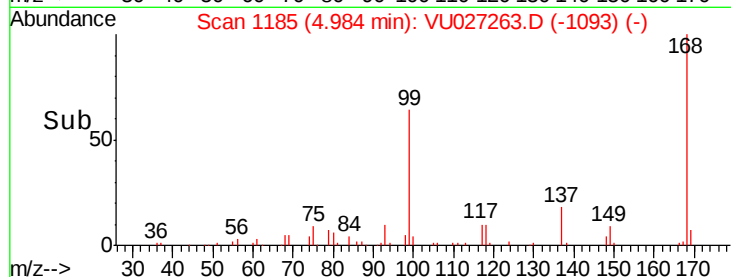
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#17

Carbon Disulfide

Concen: 1.172 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027263.D

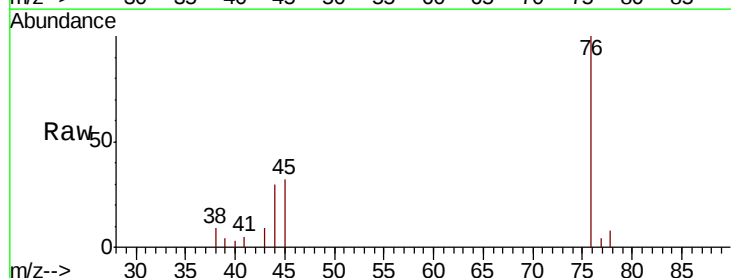
Acq: 28 Sep 2018 11:59

Tgt Ion: 76 Resp: 5096

Ion Ratio Lower Upper

76 100

78 7.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU026969.D (-393) (-)

Ion 77.90 (77.60 to 78.60): VU026969.D (-393) (-)

2.48

3000

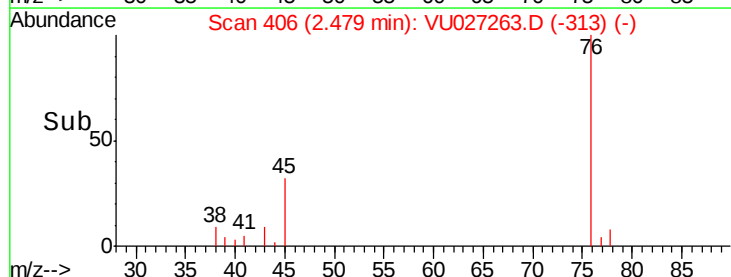
2000

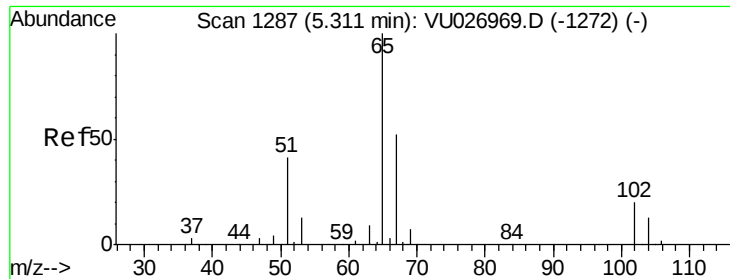
1000

0

2.45 2.50

Time-->

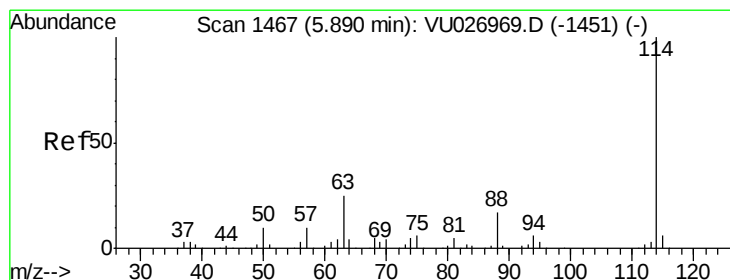
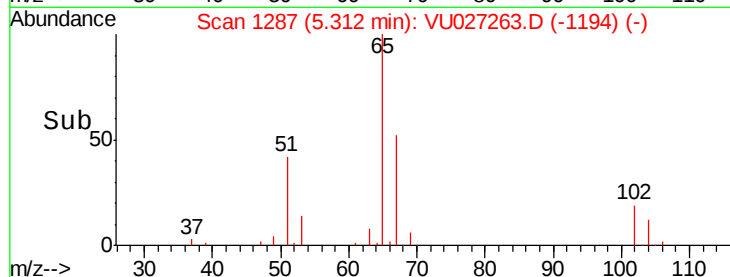
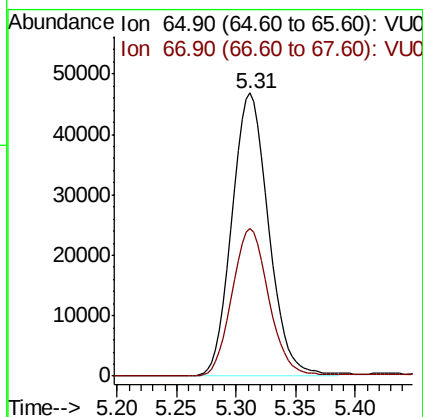
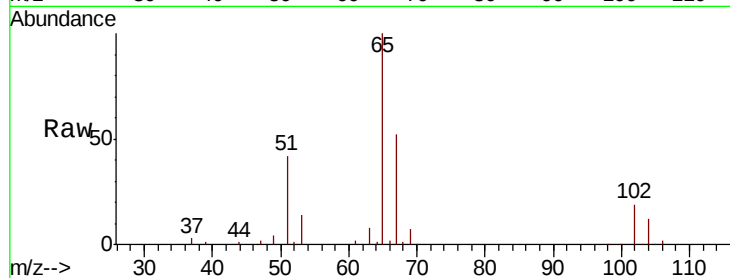




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.506 ug/l  
 RT: 5.31 min Scan# 1287  
 Delta R.T. 0.00 min  
 Lab File: VU027263.D  
 Acq: 28 Sep 2018 11:59

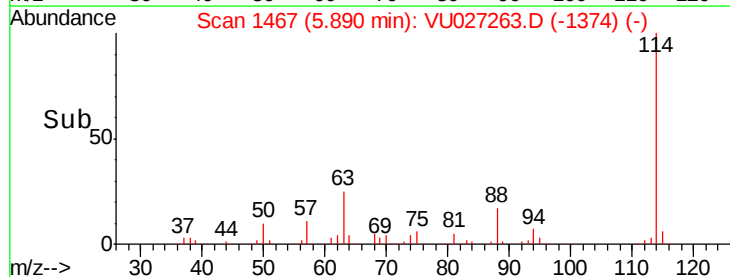
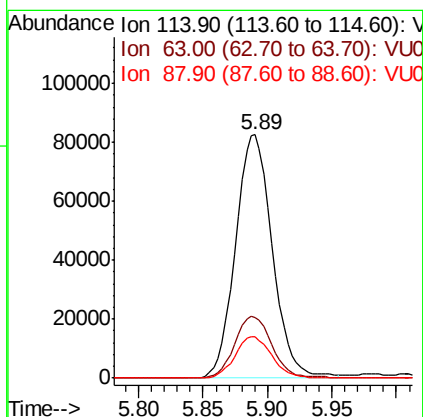
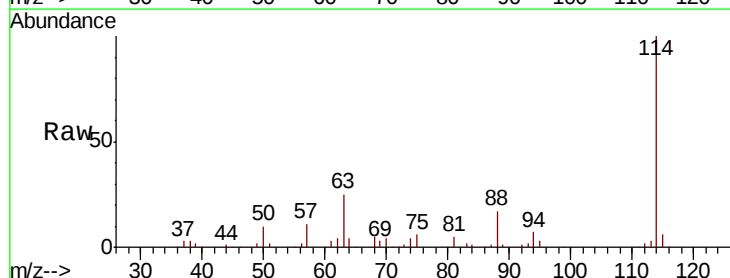
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ER1-092018

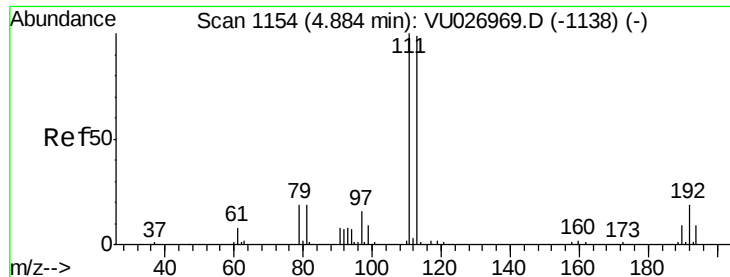
Tot Ion: 65 Resp: 100153  
 Ion Ratio Lower Upper  
 65 100  
 67 52.6 0.0 105.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1467  
 Delta R.T. 0.00 min  
 Lab File: VU027263.D  
 Acq: 28 Sep 2018 11:59

Tgt Ion: 114 Resp: 164189  
 Ion Ratio Lower Upper  
 114 100  
 63 25.0 0.0 49.2  
 88 16.7 0.0 33.8

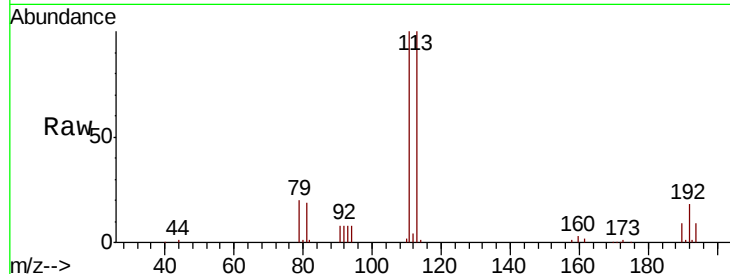




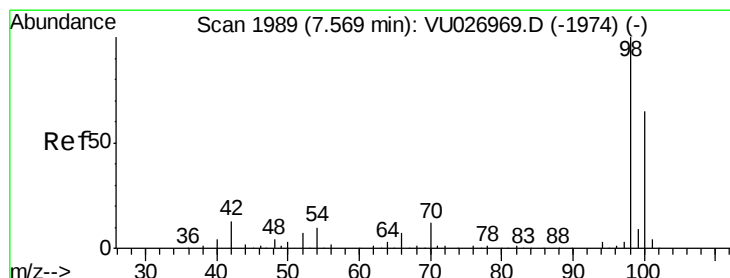
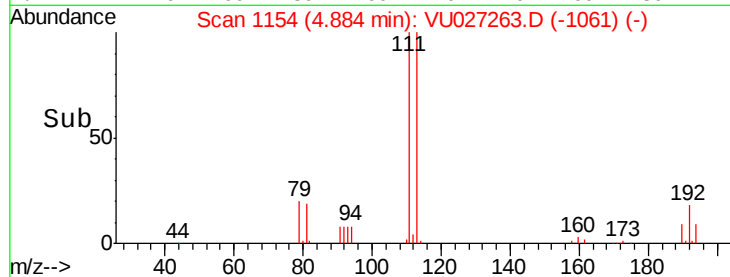
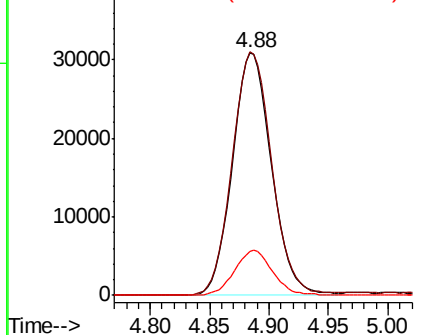
#35  
 Dibromofluoromethane  
 Concen: 49.344 ug/l  
 RT: 4.88 min Scan# 1154  
 Delta R.T. 0.00 min  
 Lab File: VU027263.D  
 Acq: 28 Sep 2018 11:59

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ER1-092018

Tot Ion:113 Resp: 70226  
 Ion Ratio Lower Upper  
 113 100  
 111 101.9 82.2 123.4  
 192 18.0 15.2 22.8

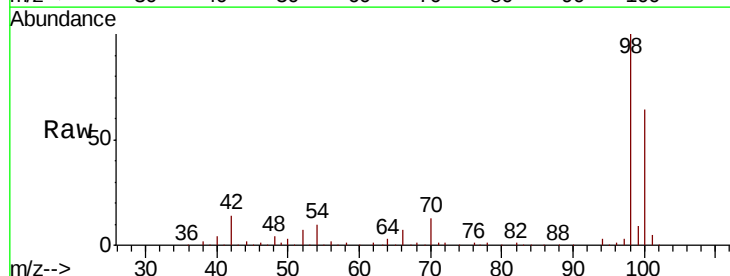


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

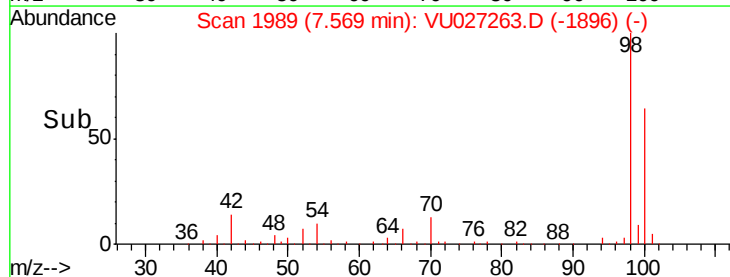
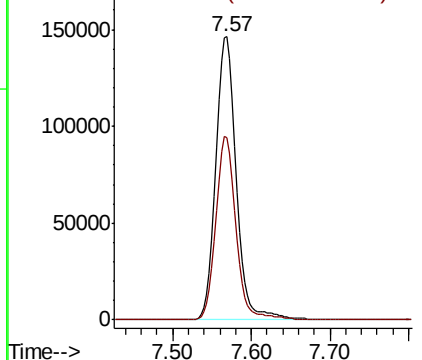


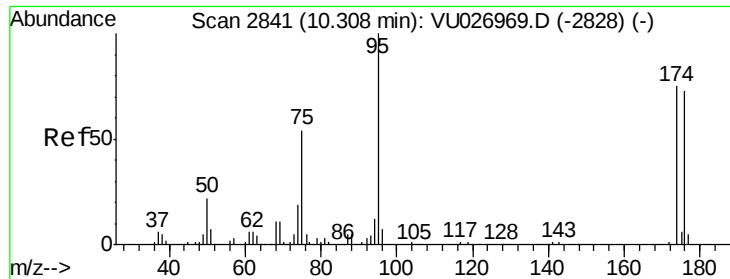
#50  
 Toluene-d8  
 Concen: 48.516 ug/l  
 RT: 7.57 min Scan# 1989  
 Delta R.T. 0.00 min  
 Lab File: VU027263.D  
 Acq: 28 Sep 2018 11:59

Tgt Ion: 98 Resp: 263142  
 Ion Ratio Lower Upper  
 98 100  
 100 63.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0  
 Ion 100.00 (99.70 to 100.70): VU

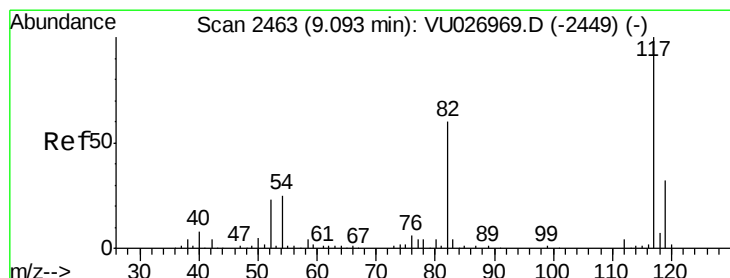
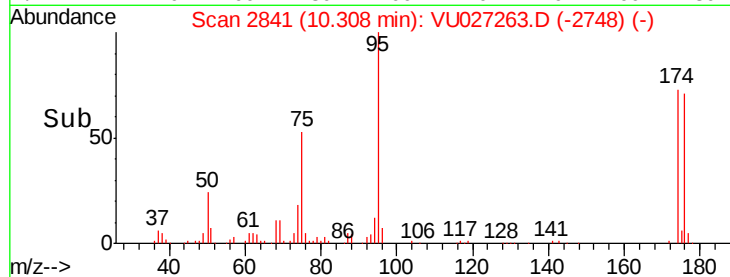
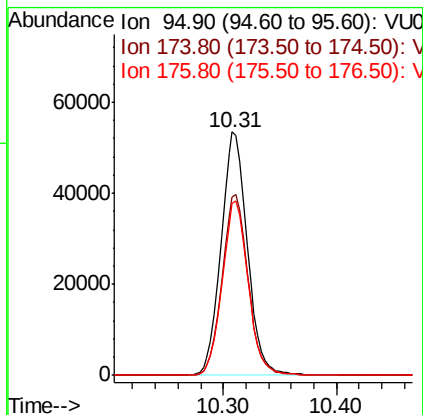
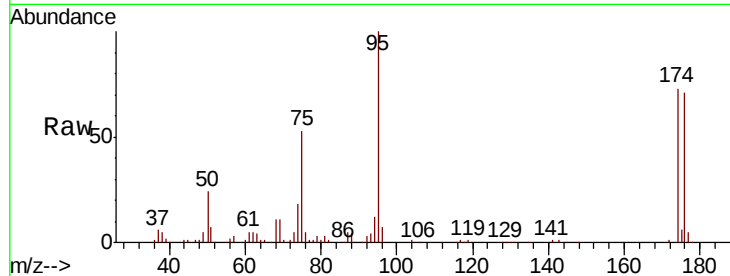




#62  
4-Bromofluorobenzene  
Concen: 46.433 ug/l  
RT: 10.31 min Scan# 2841  
Delta R.T. 0.00 min  
Lab File: VU027263.D  
Acq: 28 Sep 2018 11:59

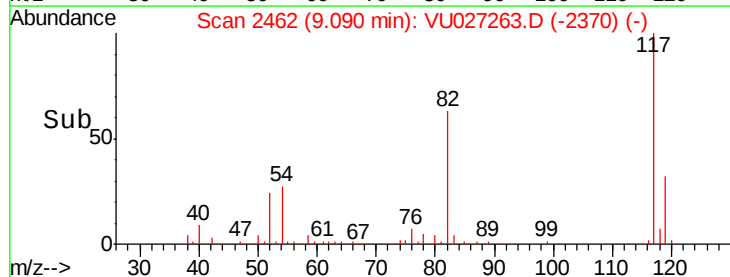
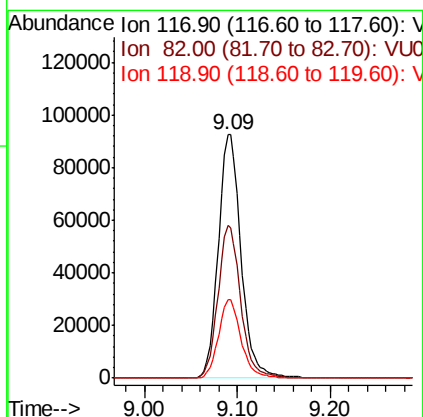
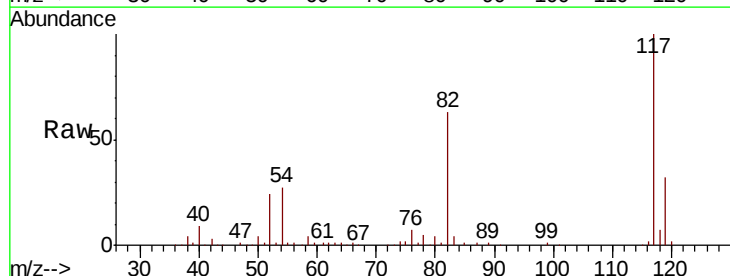
Instrument :  
MSVOA\_U  
ClientSampleId :  
ER1-092018

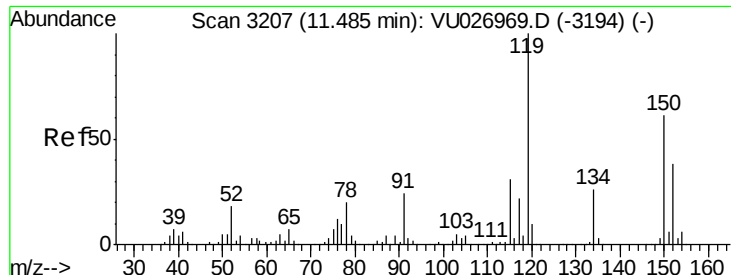
Tot Ion: 95 Resp: 86416  
Ion Ratio Lower Upper  
95 100  
174 73.3 0.0 150.2  
176 70.7 0.0 145.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU027263.D  
Acq: 28 Sep 2018 11:59

Tgt Ion: 117 Resp: 157089  
Ion Ratio Lower Upper  
117 100  
82 62.9 48.0 72.0  
119 32.0 25.8 38.8





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 11.48 min Scan# 3207  
 Delta R.T. 0.00 min  
 Lab File: VU027263.D  
 Acq: 28 Sep 2018 11:59

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ER1-092018

Tot Ion:152 Resp: 74230  
 Ion Ratio Lower Upper  
 152 100  
 115 61.3 44.9 134.5  
 150 158.9 0.0 355.8

