

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU011019\  
 Data File : VU029127.D  
 Acq On : 10 Jan 2019 19:06  
 Operator : MD/SY  
 Sample : K1123-04  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CPGP-04

Quant Time: Jan 11 04:11:23 2019  
 Quant Method : Z:\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 04 02:22:53 2019  
 Response via : Initial Calibration

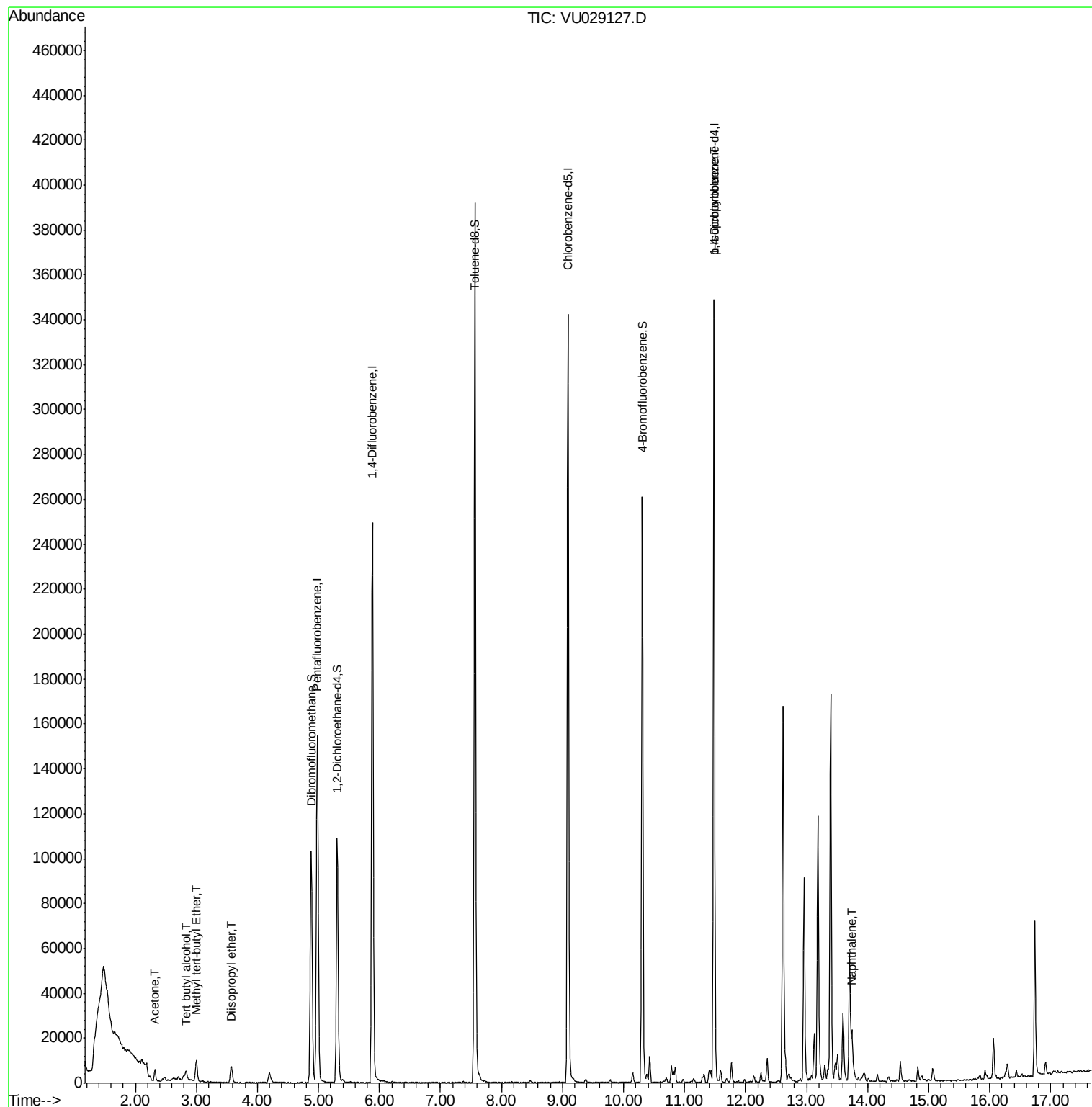
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 4.98  | 168  | 127121   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.88  | 114  | 222891   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 201584   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 86825    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 83715    | 53.27  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.54% |          |
| 35) Dibromofluoromethane    | 4.88  | 113  | 73691    | 51.00  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.00% |          |
| 50) Toluene-d8              | 7.56  | 98   | 276863   | 48.54  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.08%  |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 90355    | 44.08  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.16%  |          |
| Target Compounds            |       |      |          |        |         |          |
|                             |       |      |          |        | Qvalue  |          |
| 11) Tert butyl alcohol      | 2.83  | 59   | 4549     | 11.388 | ug/l #  | 84       |
| 16) Acetone                 | 2.32  | 43   | 5567     | 5.623  | ug/l    | 99       |
| 19) Methyl tert-butyl Ether | 3.00  | 73   | 10092    | 2.177  | ug/l    | 97       |
| 22) Diisopropyl ether       | 3.57  | 45   | 7693     | 1.609  | ug/l    | 94       |
| 86) p-Isopropyltoluene      | 11.47 | 119  | 20820    | 3.819  | ug/l    | 97       |
| 95) Naphthalene             | 13.74 | 128  | 15369    | 2.287  | ug/l    | 99       |

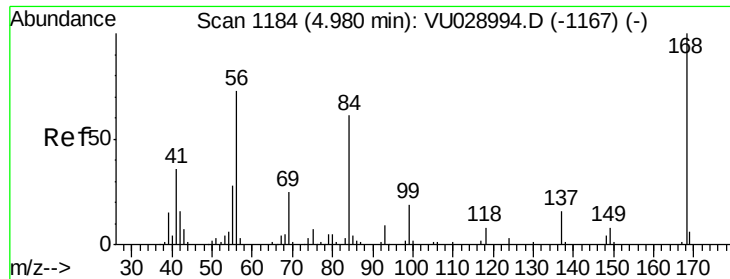
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU011019\  
Data File : VU029127.D  
Acq On : 10 Jan 2019 19:06  
Operator : MD/SY  
Sample : K1123-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
CPGP-04

Quant Time: Jan 11 04:11:23 2019  
Quant Method : Z:\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: VU029127.D

Acq: 10 Jan 2019 19:06

Instrument :

MSVOA\_U

ClientSampleId :

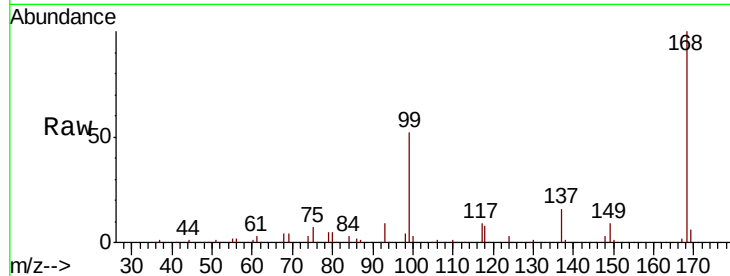
CPGP-04

Tgt Ion:168 Resp: 127121

Ion Ratio Lower Upper

168 100

99 52.3 42.0 63.0



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

Ion 98.90 (98.60 to 99.60): VU029127.D (-1091) (-)

4.98

60000

50000

40000

30000

20000

10000

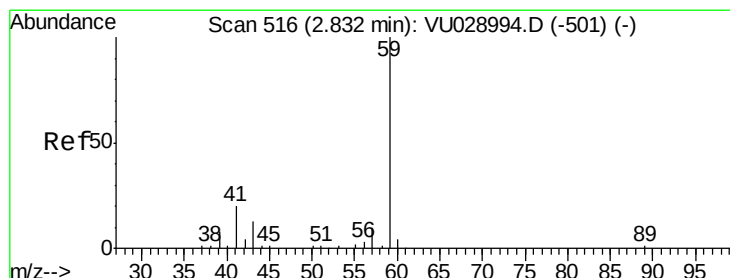
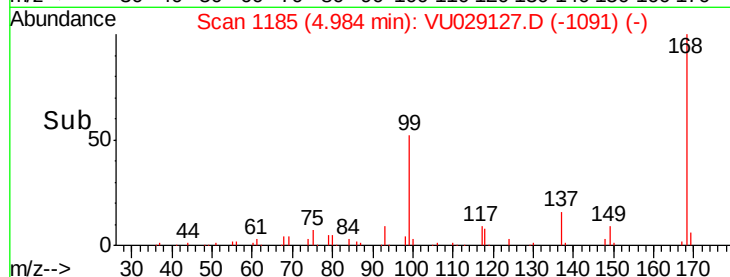
0

4.90

5.00

5.10

Time-->



#11

Tert butyl alcohol

Concen: 11.388 ug/l

RT: 2.83 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU029127.D

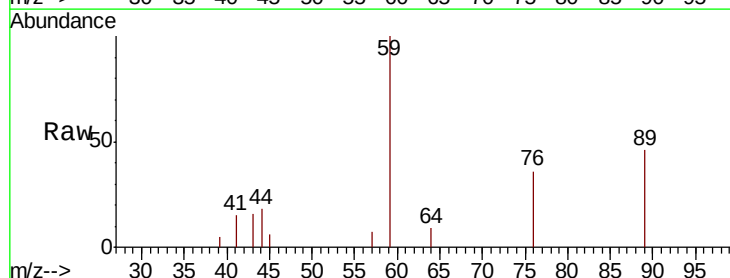
Acq: 10 Jan 2019 19:06

Tgt Ion: 59 Resp: 4549

Ion Ratio Lower Upper

59 100

57 4.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU028994.D (-501) (-)

Ion 57.00 (56.70 to 57.70): VU029127.D (-423) (-)

2.83

2500

2000

1500

1000

500

0

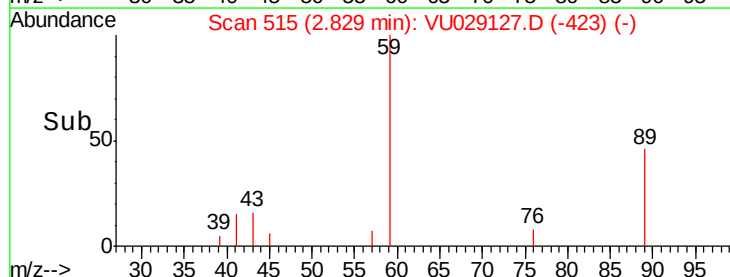
2.75

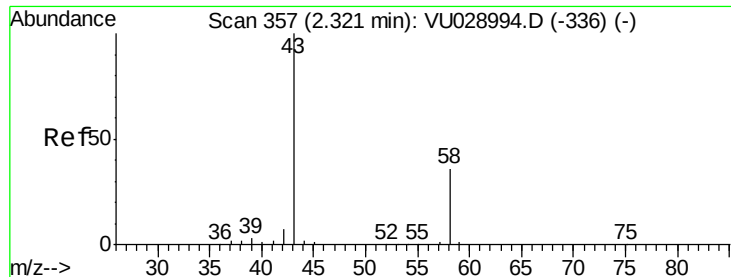
2.80

2.85

2.90

Time-->





#16

Acetone

Concen: 5.623 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029127.D

Acq: 10 Jan 2019 19:06

Instrument :

MSVOA\_U

ClientSampleId :

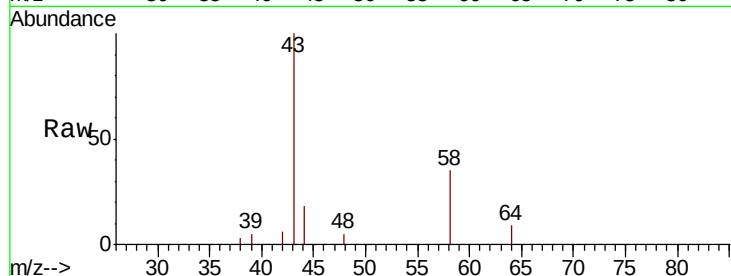
CPGP-04

Tgt Ion: 43 Resp: 5567

Ion Ratio Lower Upper

43 100

58 35.1 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

4000

3000

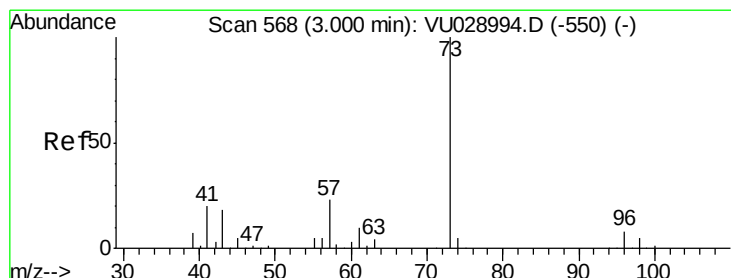
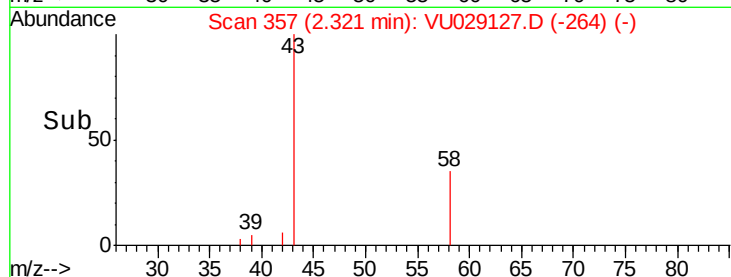
2000

1000

0

Time-->

2.25 2.30 2.35



#19

Methyl tert-butyl Ether

Concen: 2.177 ug/l

RT: 3.00 min Scan# 567

Delta R.T. -0.00 min

Lab File: VU029127.D

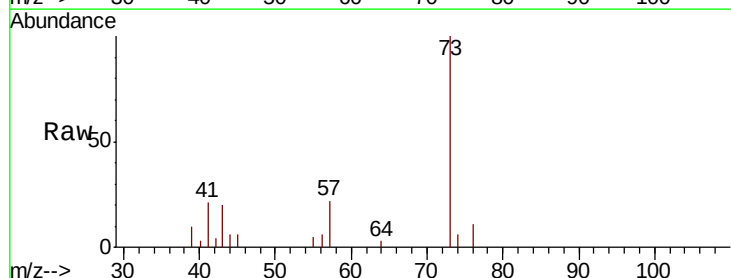
Acq: 10 Jan 2019 19:06

Tgt Ion: 73 Resp: 10092

Ion Ratio Lower Upper

73 100

57 22.0 18.6 28.0



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

5000

4000

3000

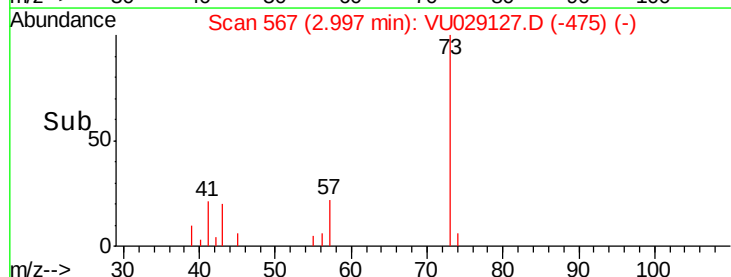
2000

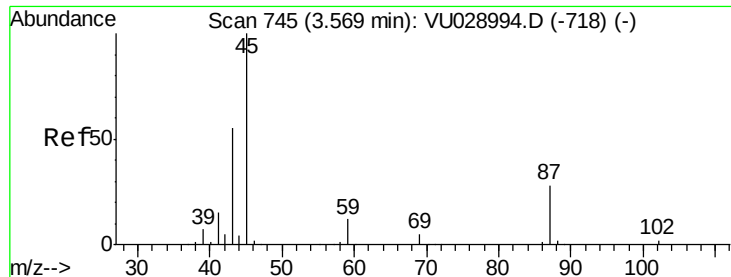
1000

0

Time-->

2.95 3.00 3.05





#22

Diisopropyl ether

Concen: 1.609 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU029127.D

Acq: 10 Jan 2019 19:06

Instrument :

MSVOA\_U

ClientSampleId :

CPGP-04

Tgt Ion: 45 Resp: 7693

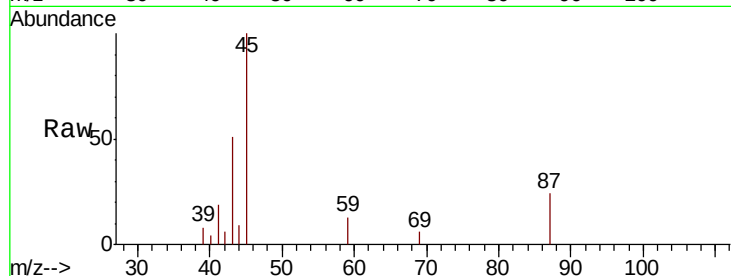
Ion Ratio Lower Upper

45 100

43 50.7 44.7 67.1

87 24.1 22.2 33.2

59 12.6 9.8 14.8

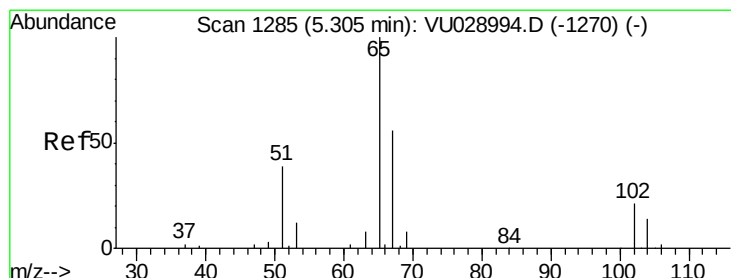
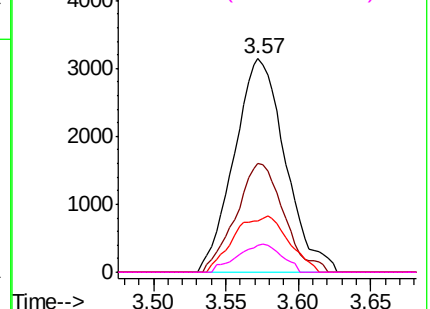
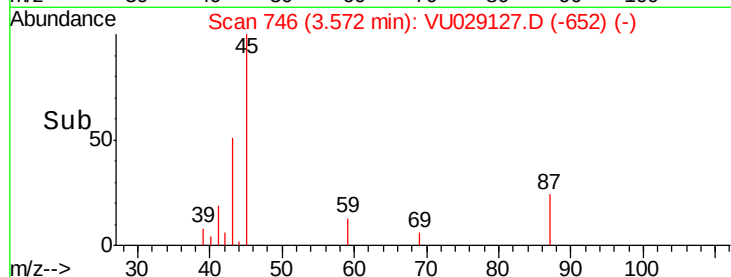


Abundance Ion 45.00 (44.70 to 45.70): VU028994.D (-718) (-)

Ion 43.00 (42.70 to 43.70): VU028994.D (-718) (-)

Ion 87.00 (86.70 to 87.70): VU028994.D (-718) (-)

Ion 59.00 (58.70 to 59.70): VU028994.D (-718) (-)



#33

1,2-Dichloroethane-d4

Concen: 53.272 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VU029127.D

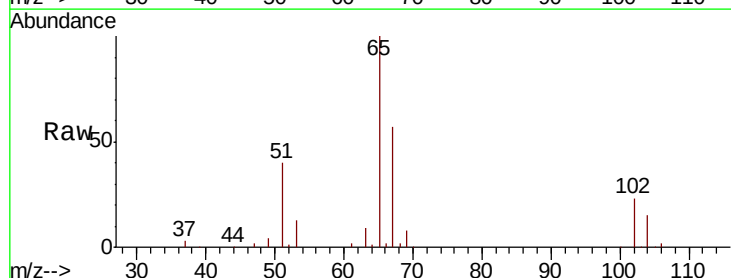
Acq: 10 Jan 2019 19:06

Tgt Ion: 65 Resp: 83715

Ion Ratio Lower Upper

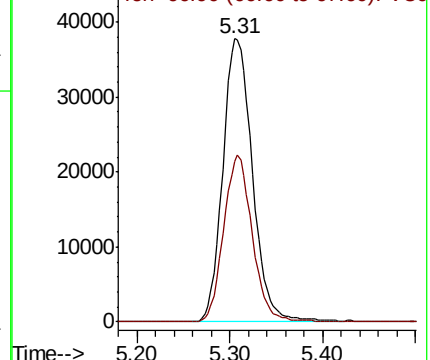
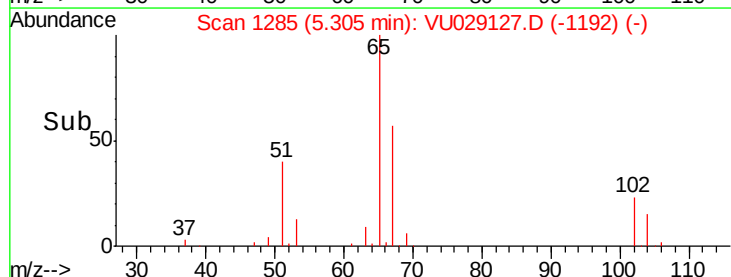
65 100

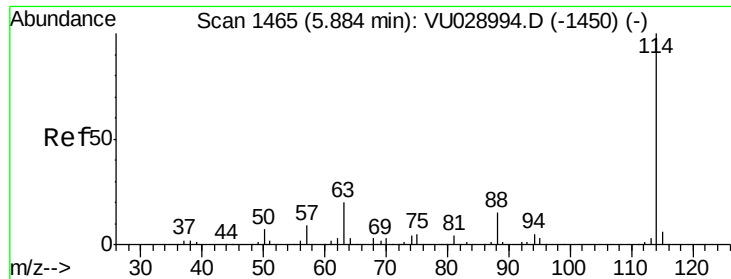
67 56.7 0.0 111.0



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: VU029127.D

Acq: 10 Jan 2019 19:06

Instrument :

MSVOA\_U

ClientSampled :

CPGP-04

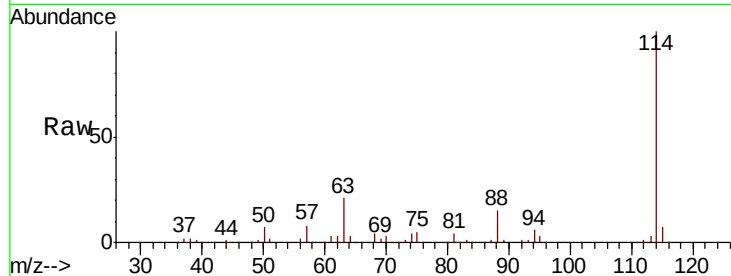
Tgt Ion:114 Resp: 222891

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.2

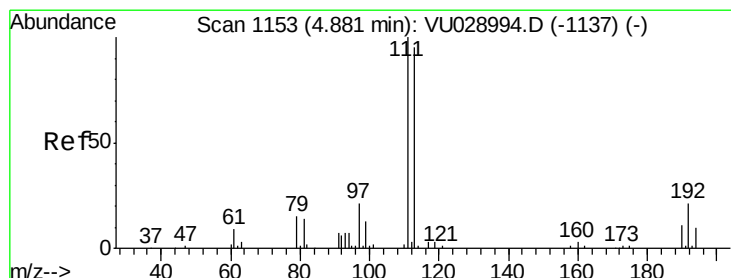
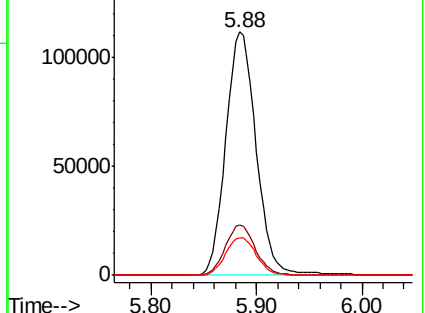
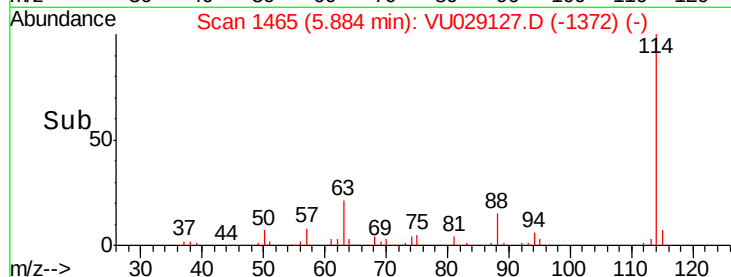
88 15.4 0.0 30.4



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: 51.003 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029127.D

Acq: 10 Jan 2019 19:06

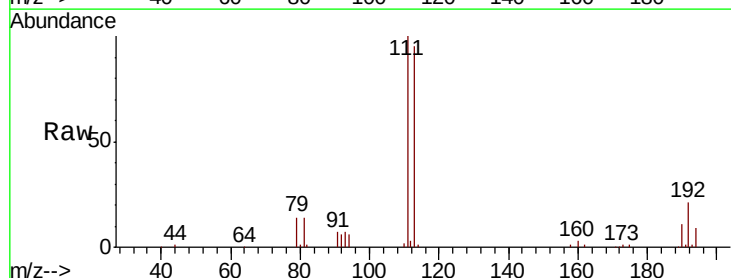
Tgt Ion:113 Resp: 73691

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.2

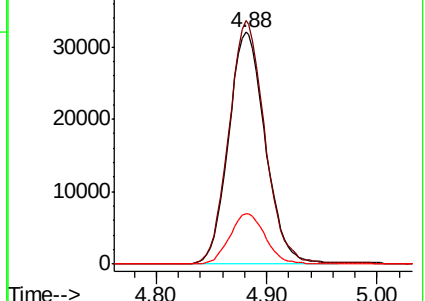
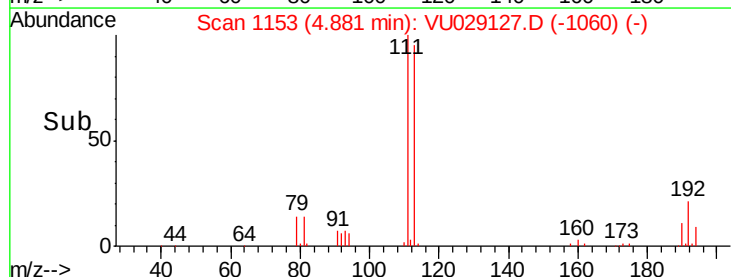
192 21.2 16.8 25.2

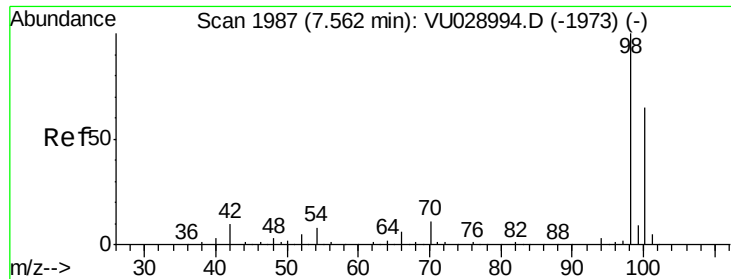


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

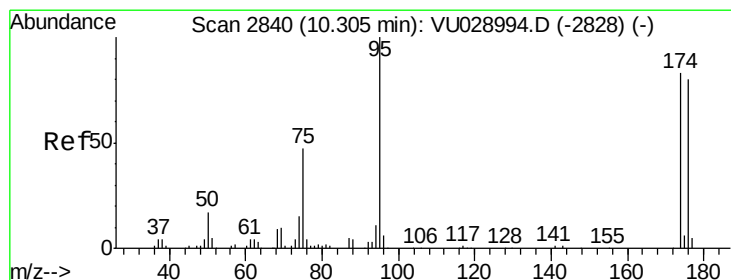
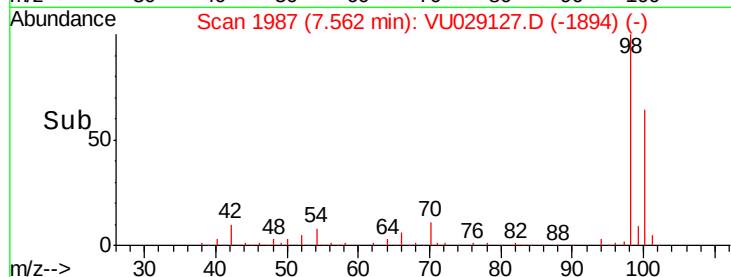
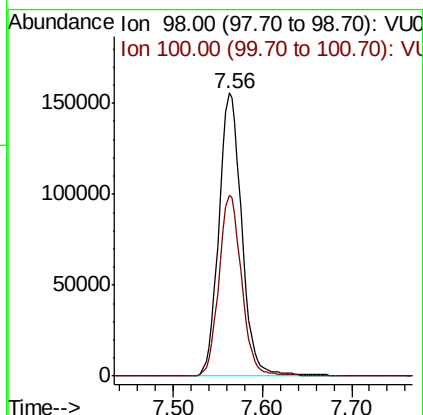
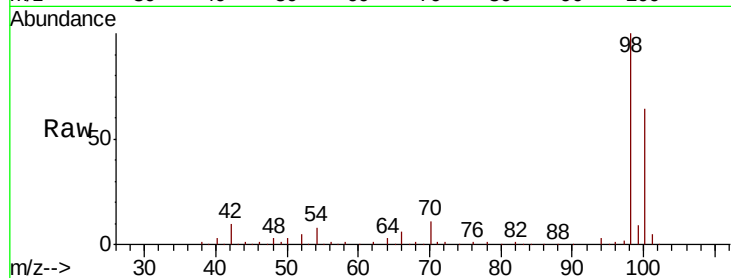




#50  
Toluene-d8  
Concen: 48.538 ug/l  
RT: 7.56 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: VU029127.D  
Acq: 10 Jan 2019 19:06

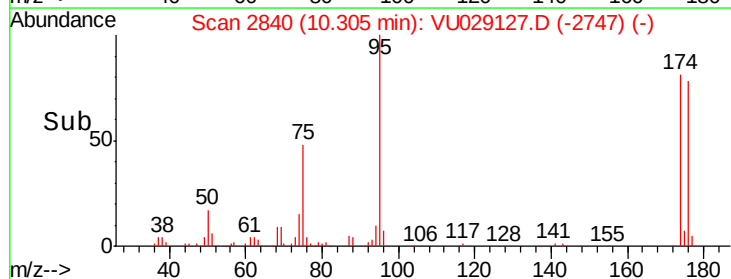
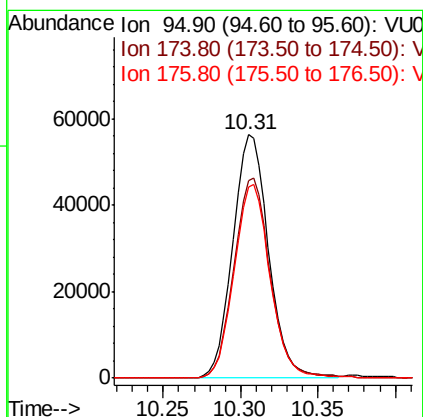
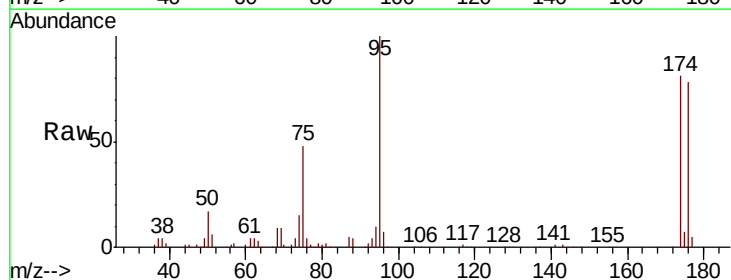
Instrument :  
MSVOA\_U  
ClientSampleId :  
CPGP-04

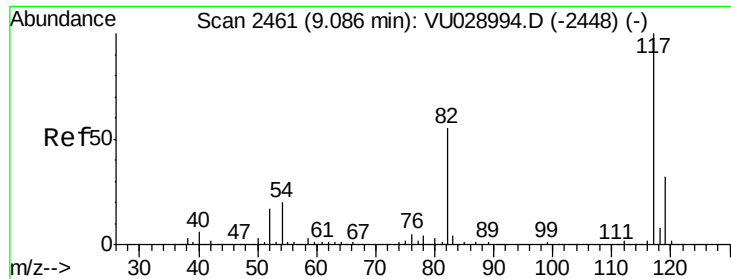
Tgt Ion: 98 Resp: 276863  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 44.077 ug/l  
RT: 10.31 min Scan# 2840  
Delta R.T. 0.00 min  
Lab File: VU029127.D  
Acq: 10 Jan 2019 19:06

Tgt Ion: 95 Resp: 90355  
Ion Ratio Lower Upper  
95 100  
174 83.6 0.0 170.6  
176 80.4 0.0 165.0

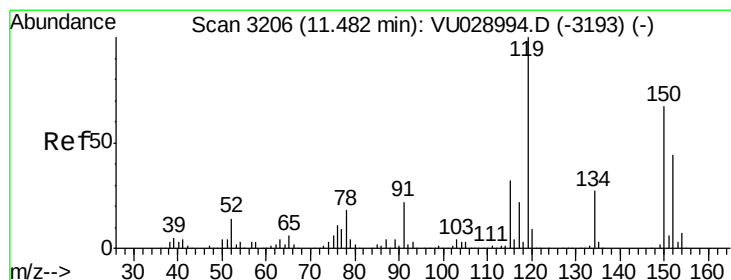
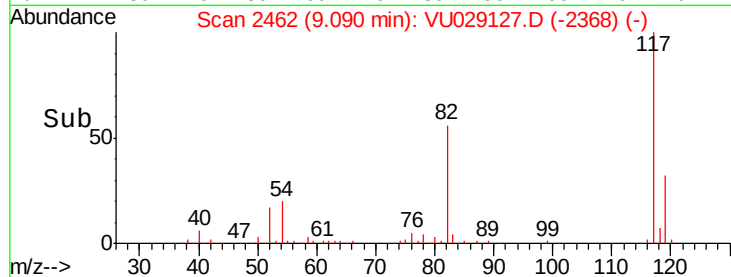
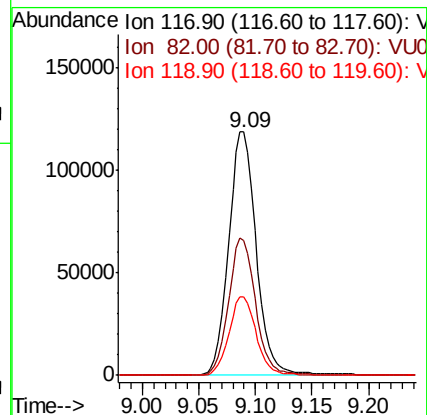
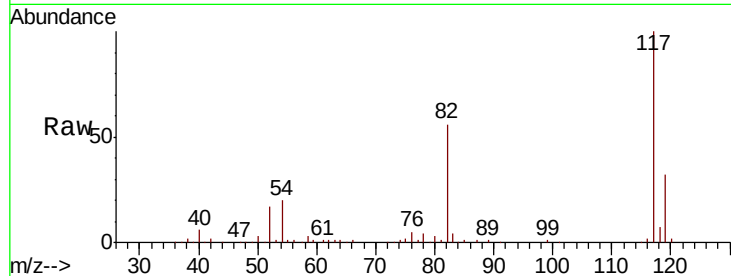




#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 9.09 min Scan# 2462  
 Delta R.T. 0.00 min  
 Lab File: VU029127.D  
 Acq: 10 Jan 2019 19:06

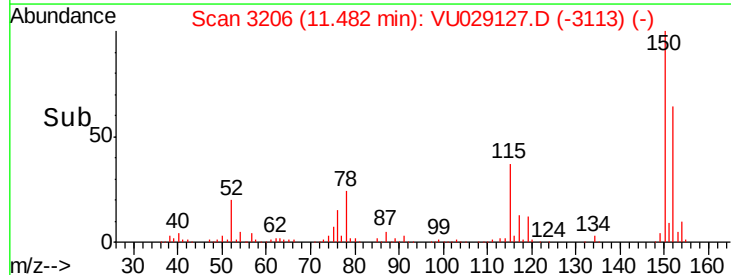
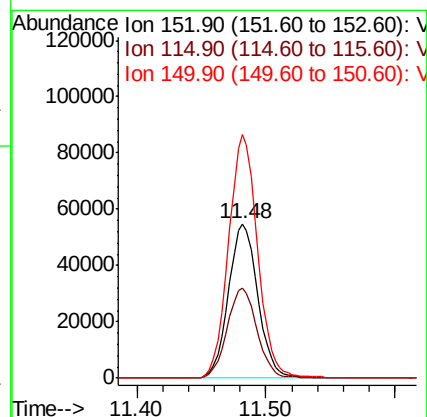
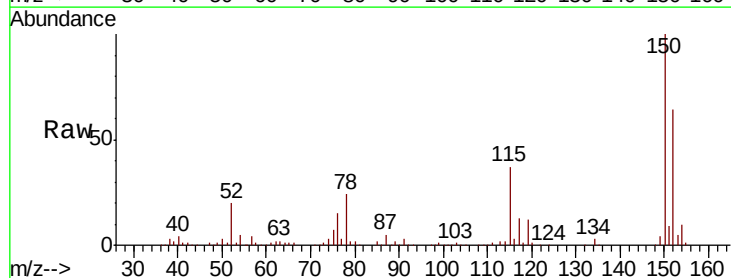
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CPGP-04

Tgt Ion:117 Resp: 201584  
 Ion Ratio Lower Upper  
 117 100  
 82 55.5 43.9 65.9  
 119 32.0 26.0 39.0

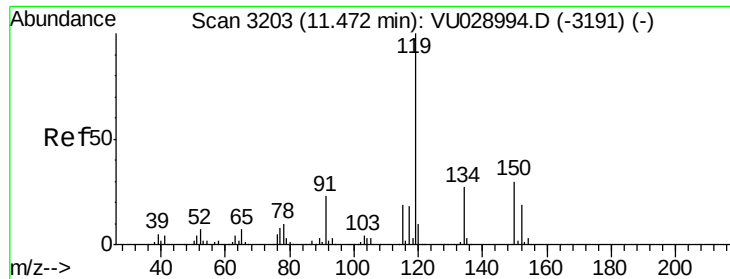


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 11.48 min Scan# 3206  
 Delta R.T. 0.00 min  
 Lab File: VU029127.D  
 Acq: 10 Jan 2019 19:06

Tgt Ion:152 Resp: 86825  
 Ion Ratio Lower Upper  
 152 100  
 115 59.1 40.1 120.3  
 150 155.5 0.0 345.2



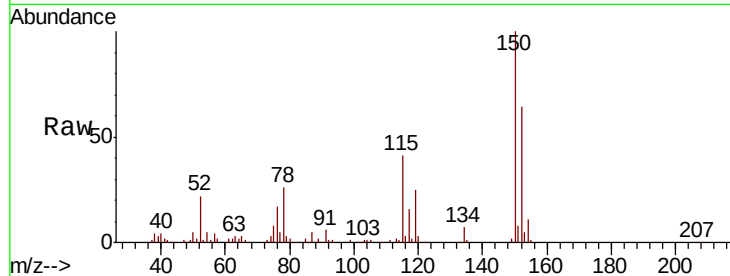




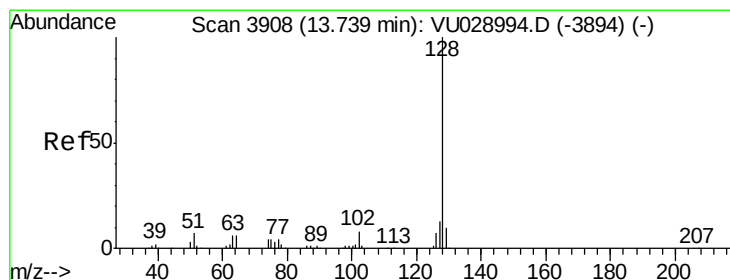
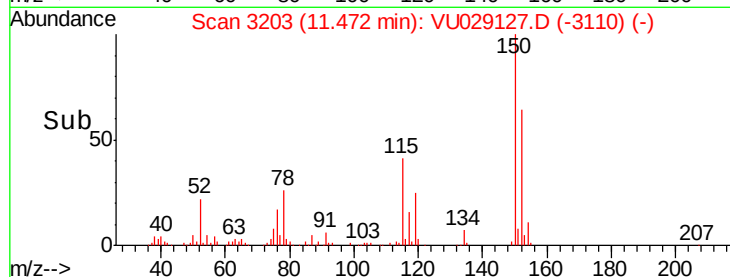
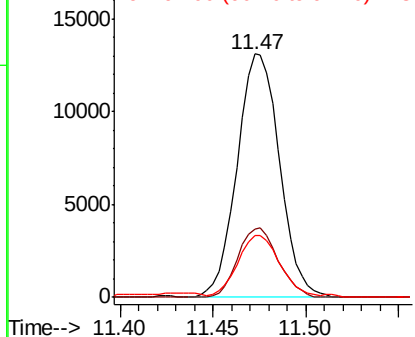
#86  
 p-Isopropyltoluene  
 Concen: 3.819 ug/l  
 RT: 11.47 min Scan# 3203  
 Delta R.T. 0.00 min  
 Lab File: VU029127.D  
 Acq: 10 Jan 2019 19:06

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CPGP-04

Tgt Ion:119 Resp: 20820  
 Ion Ratio Lower Upper  
 119 100  
 134 27.0 13.5 40.4  
 91 25.7 11.3 33.8

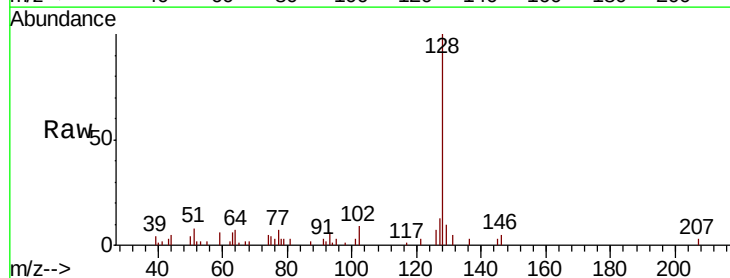


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 134.00 (133.70 to 134.70): V  
 Ion 91.00 (90.70 to 91.70): V



#95  
 Naphthalene  
 Concen: 2.287 ug/l  
 RT: 13.74 min Scan# 3909  
 Delta R.T. 0.00 min  
 Lab File: VU029127.D  
 Acq: 10 Jan 2019 19:06

Tgt Ion:128 Resp: 15369  
 Ion Ratio Lower Upper  
 128 100  
 127 11.7 10.1 15.1  
 129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V  
 Ion 127.00 (126.70 to 127.70): V  
 Ion 129.00 (128.70 to 129.70): V

