

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090419\  
 Data File : VU034232.D  
 Acq On : 03 Sep 2019 17:21  
 Operator : JC/SP  
 Sample : K4546-25  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T3-S-C3-(0)

Quant Time: Sep 04 06:34:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 29 04:11:12 2019  
 Response via : Initial Calibration

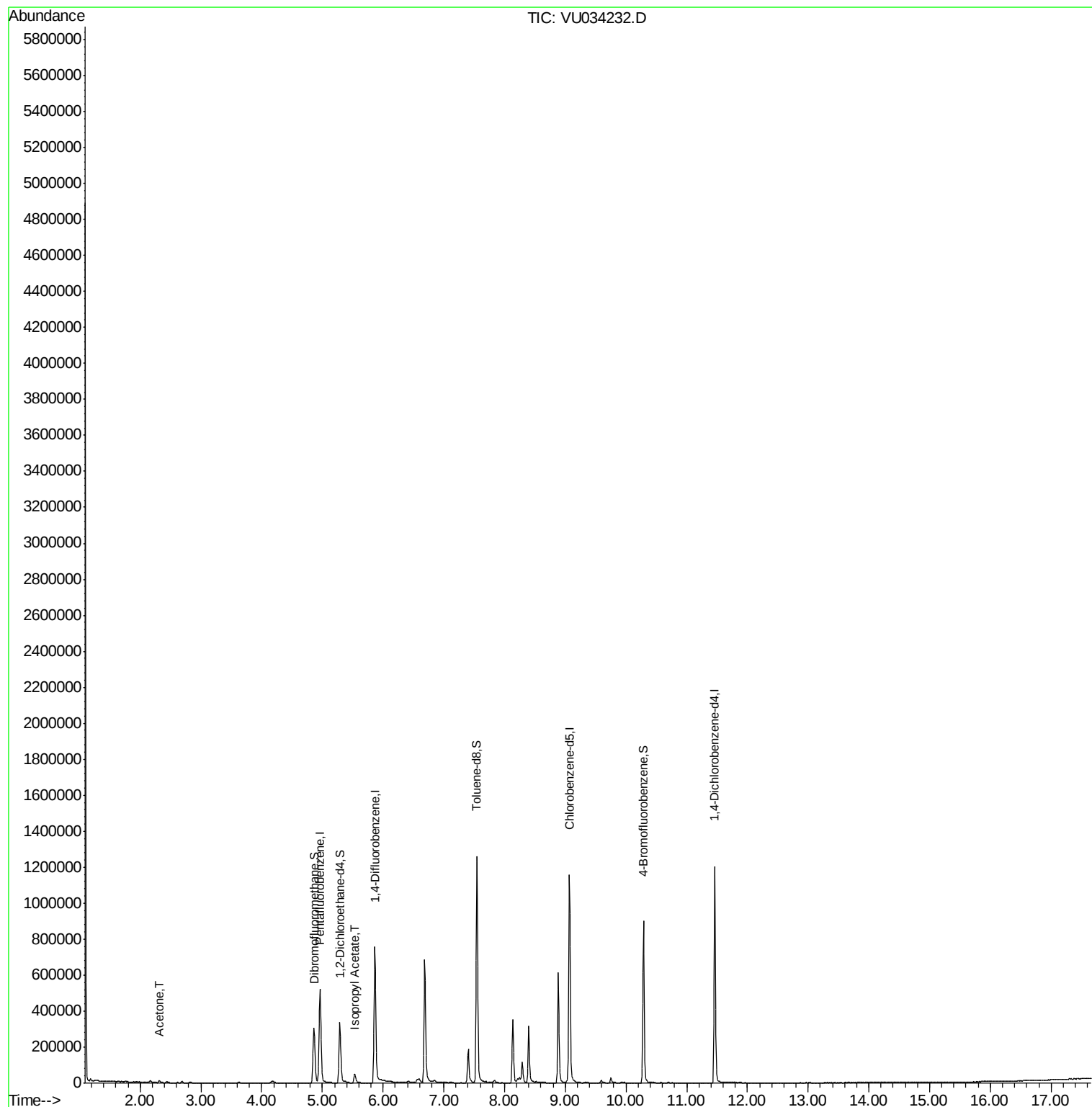
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 4.96  | 168  | 417413   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.86  | 114  | 678831   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.07  | 117  | 680777   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.46 | 152  | 332376   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 262971   | 49.17 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.34% |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 220811   | 46.90 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.80% |          |
| 50) Toluene-d8              | 7.55  | 98   | 880882   | 49.97 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.94% |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 310246   | 45.24 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.48% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.31  | 43   | 13295    | 4.872 | ug/l   | 93       |
| 43) Isopropyl Acetate       | 5.53  | 43   | 61250    | 5.599 | ug/l   | 99       |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 29 04:11:12 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034232.D

Acq: 03 Sep 2019 17:21

Instrument :

MSVOA\_U

ClientSampleId :

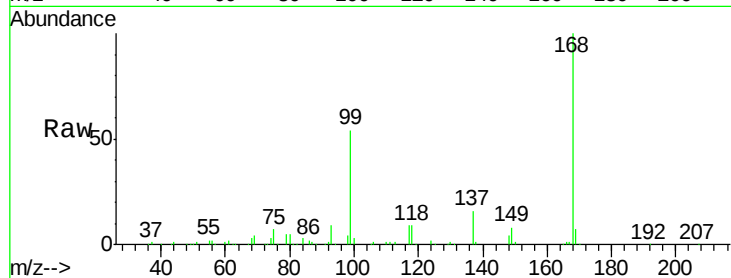
T3-S-C3-(0)

Tot Ion:168 Resp: 417413

Ion Ratio Lower Upper

168 100

99 53.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034232.D (-1110) (-)

Ion 98.90 (98.60 to 99.60): VU034232.D (-1110) (-)

4.96

200000

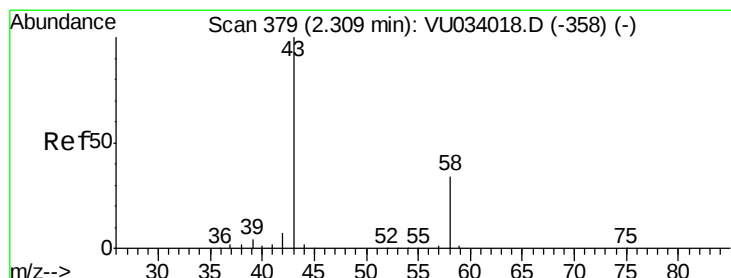
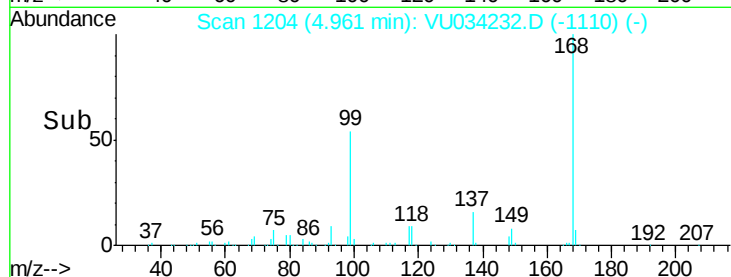
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 4.872 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034232.D

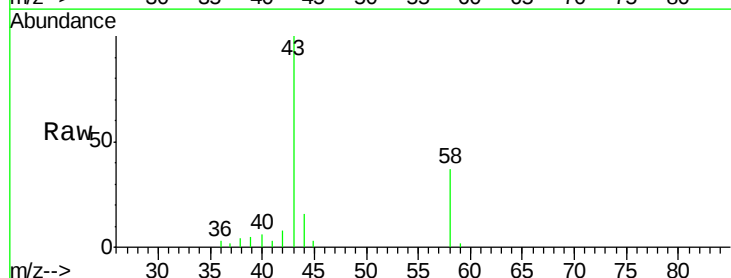
Acq: 03 Sep 2019 17:21

Tgt Ion: 43 Resp: 13295

Ion Ratio Lower Upper

43 100

58 37.5 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034232.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034232.D (-286) (-)

2.31

8000

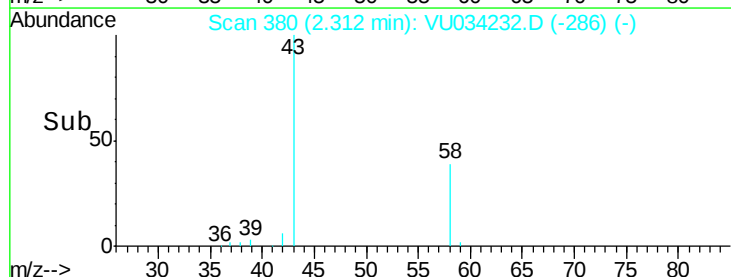
6000

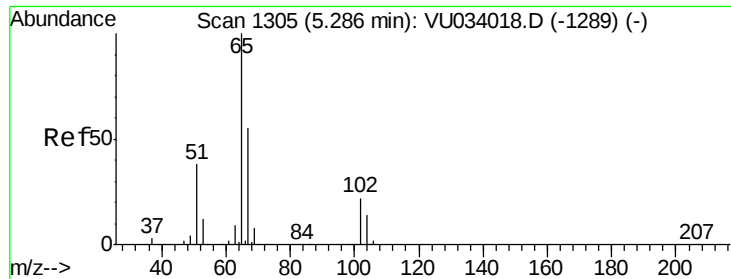
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 49.167 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034232.D

Acq: 03 Sep 2019 17:21

Instrument :

MSVOA\_U

ClientSampleId :

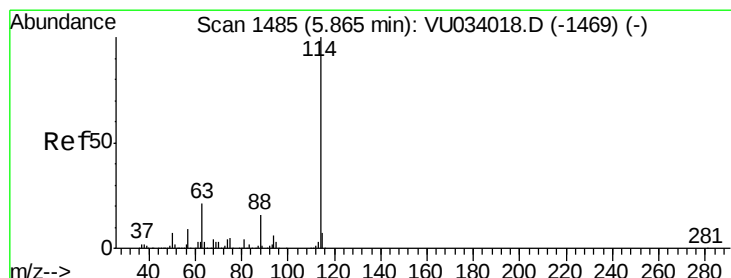
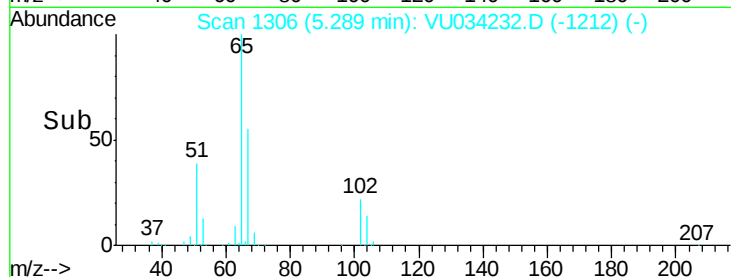
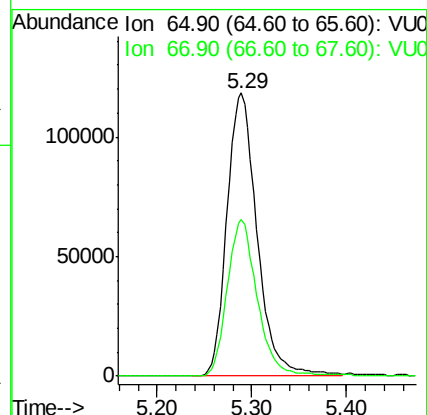
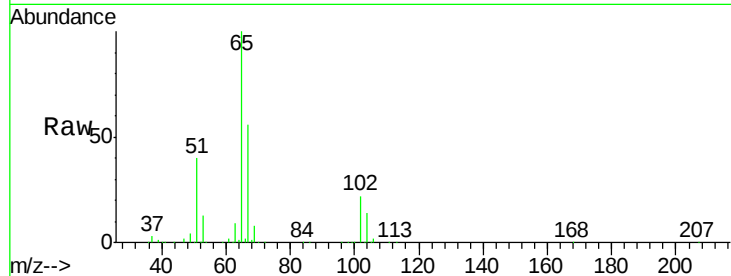
T3-S-C3-(0)

Tot Ion: 65 Resp: 262971

Ion Ratio Lower Upper

65 100

67 55.2 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034232.D

Acq: 03 Sep 2019 17:21

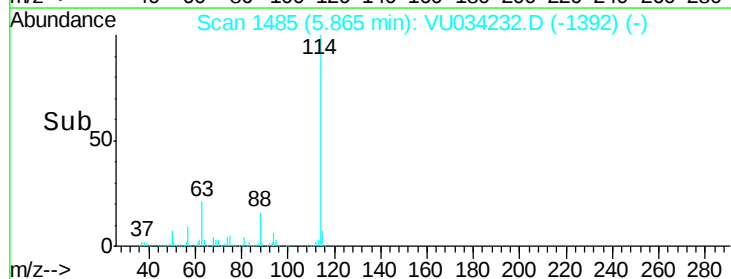
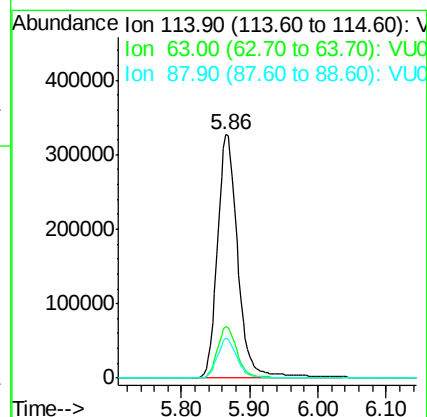
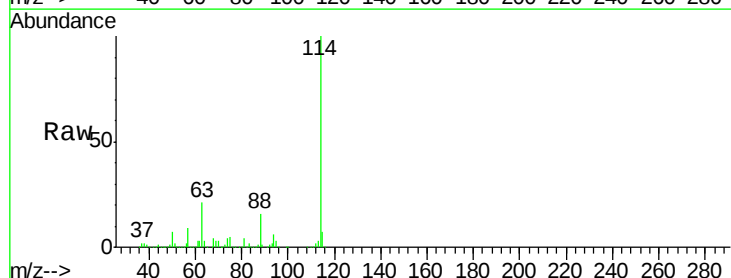
Tgt Ion: 114 Resp: 678831

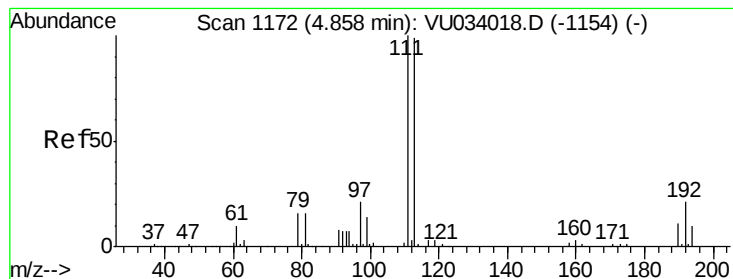
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.0

88 16.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 46.898 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034232.D

Acq: 03 Sep 2019 17:21

Instrument :

MSVOA\_U

ClientSampleId :

T3-S-C3-(0)

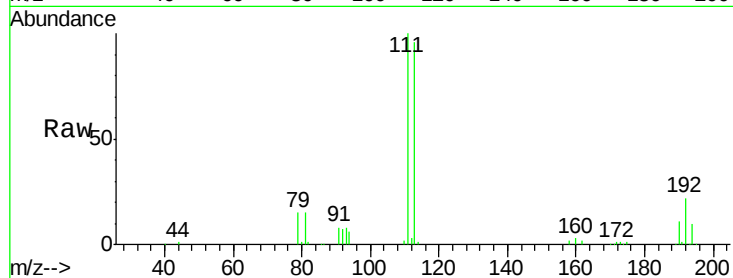
Tot Ion:113 Resp: 220811

Ion Ratio Lower Upper

113 100

111 101.6 81.7 122.5

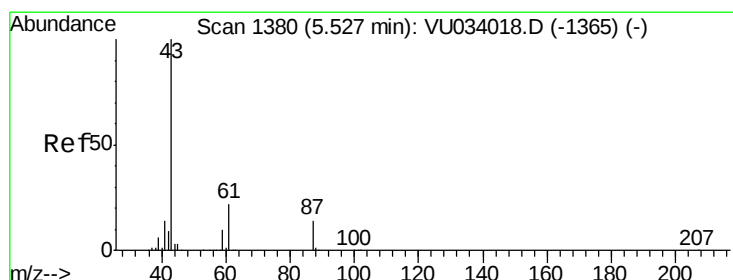
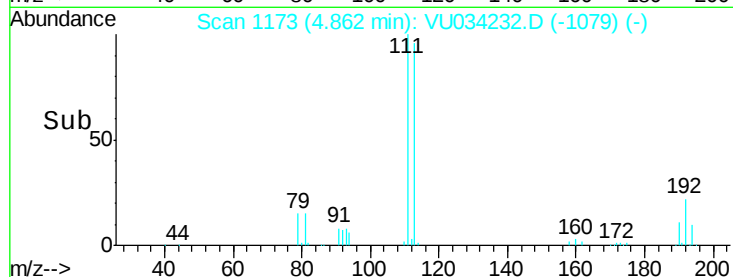
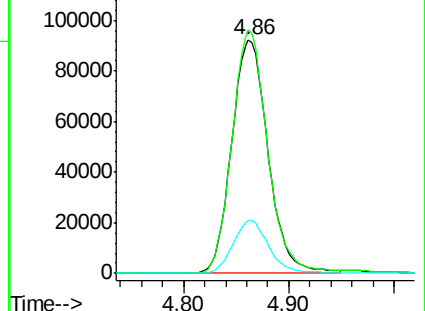
192 22.2 17.1 25.7



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



#43

Isopropyl Acetate

Concen: 5.599 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034232.D

Acq: 03 Sep 2019 17:21

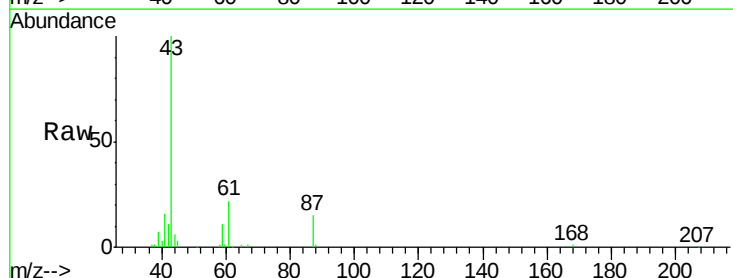
Tgt Ion: 43 Resp: 61250

Ion Ratio Lower Upper

43 100

61 21.0 17.2 25.8

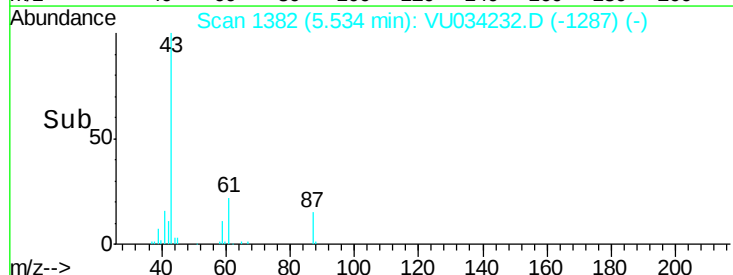
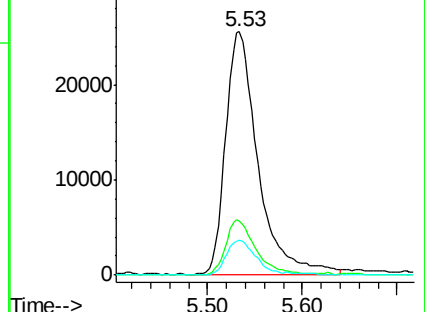
87 13.1 10.8 16.2

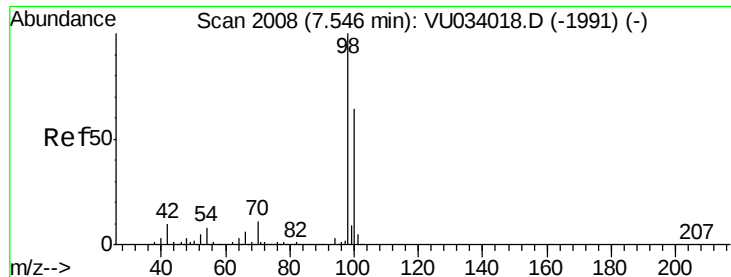


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

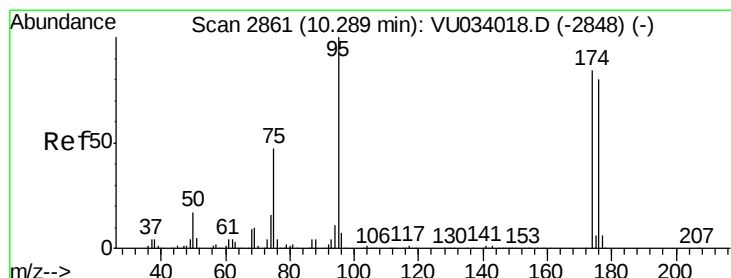
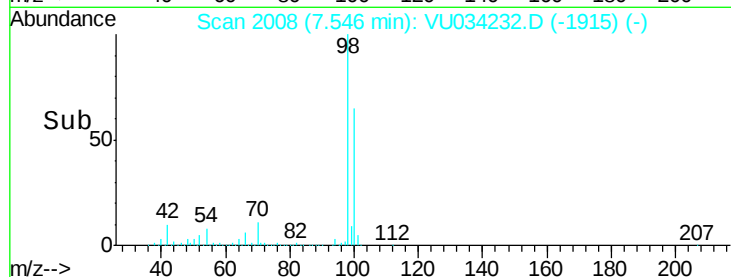
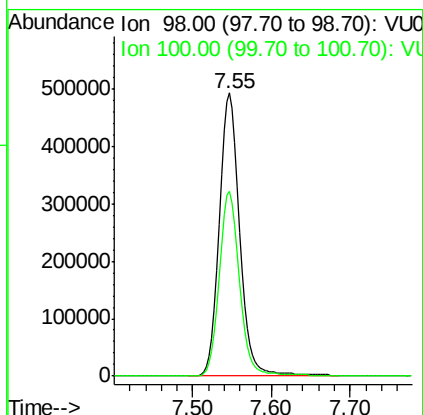
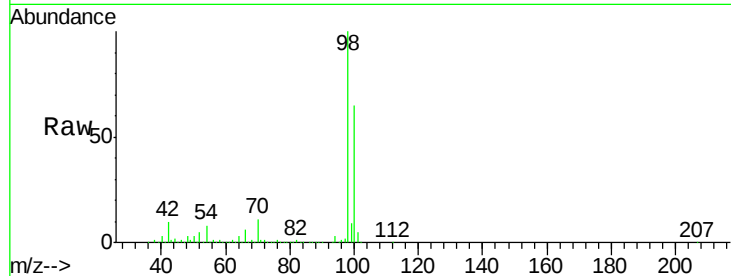




#50  
Toluene-d8  
Concen: 49.966 ug/l  
RT: 7.55 min Scan# 2008  
Delta R.T. 0.00 min  
Lab File: VU034232.D  
Acq: 03 Sep 2019 17:21

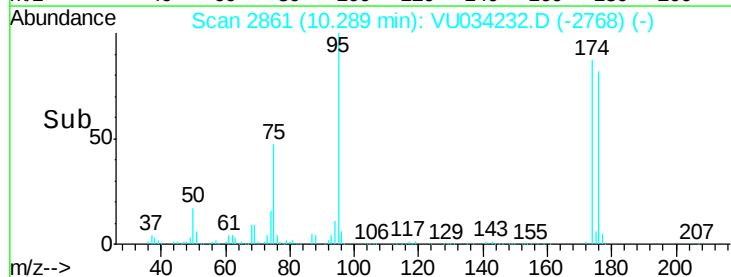
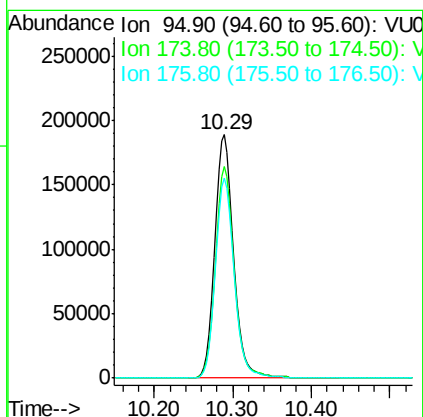
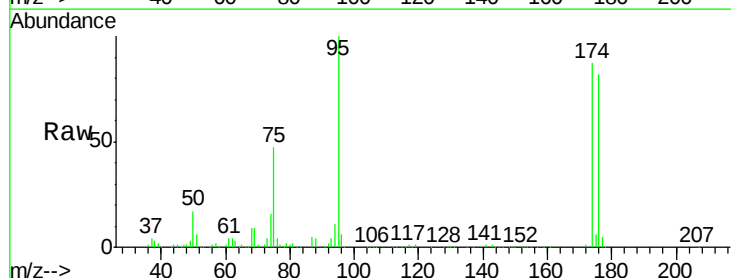
Instrument :  
MSVOA\_U  
ClientSampleId :  
T3-S-C3-(0)

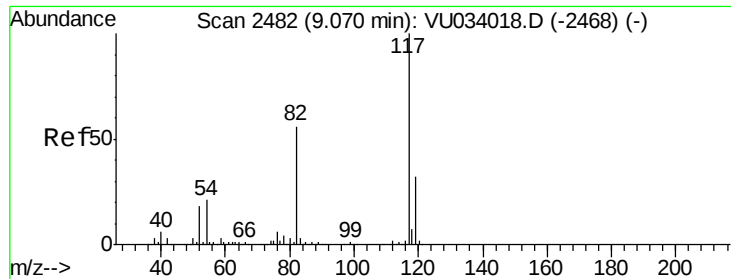
Tot Ion: 98 Resp: 880882  
Ion Ratio Lower Upper  
98 100  
100 64.9 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 45.240 ug/l  
RT: 10.29 min Scan# 2861  
Delta R.T. 0.00 min  
Lab File: VU034232.D  
Acq: 03 Sep 2019 17:21

Tgt Ion: 95 Resp: 310246  
Ion Ratio Lower Upper  
95 100  
174 86.5 0.0 168.8  
176 82.5 0.0 161.8

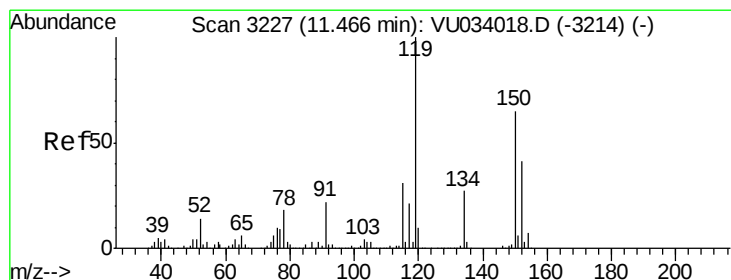
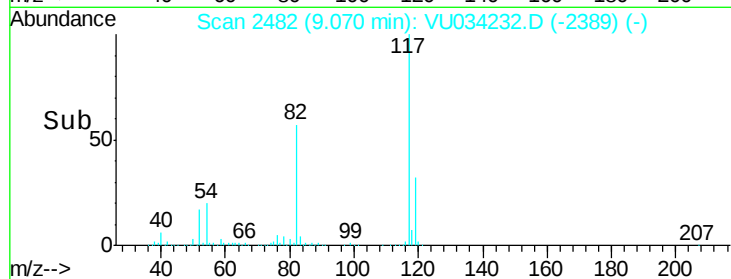
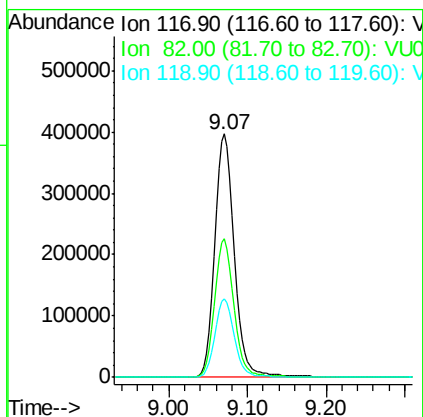
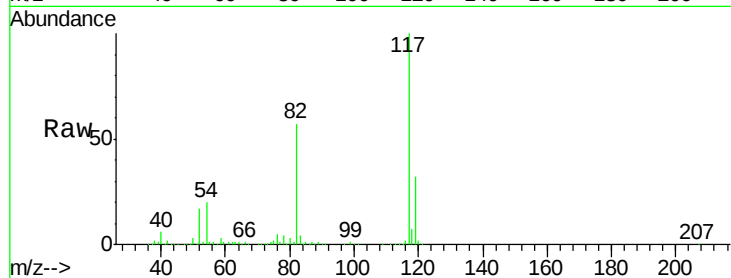




#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 9.07 min Scan# 2482  
 Delta R.T. 0.00 min  
 Lab File: VU034232.D  
 Acq: 03 Sep 2019 17:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T3-S-C3-(0)

Tot Ion:117 Resp: 680777  
 Ion Ratio Lower Upper  
 117 100  
 82 56.7 45.1 67.7  
 119 32.3 25.4 38.0



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 11.46 min Scan# 3226  
 Delta R.T. -0.00 min  
 Lab File: VU034232.D  
 Acq: 03 Sep 2019 17:21

Tgt Ion:152 Resp: 332376  
 Ion Ratio Lower Upper  
 152 100  
 115 57.0 41.1 123.3  
 150 156.7 0.0 348.8

