

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\  
 Data File : VU034042.D  
 Acq On : 28 Aug 2019 22:44  
 Operator : JC/SP  
 Sample : K4525-32  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T9-12-13-B2-(0)

Quant Time: Aug 29 05:26:22 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

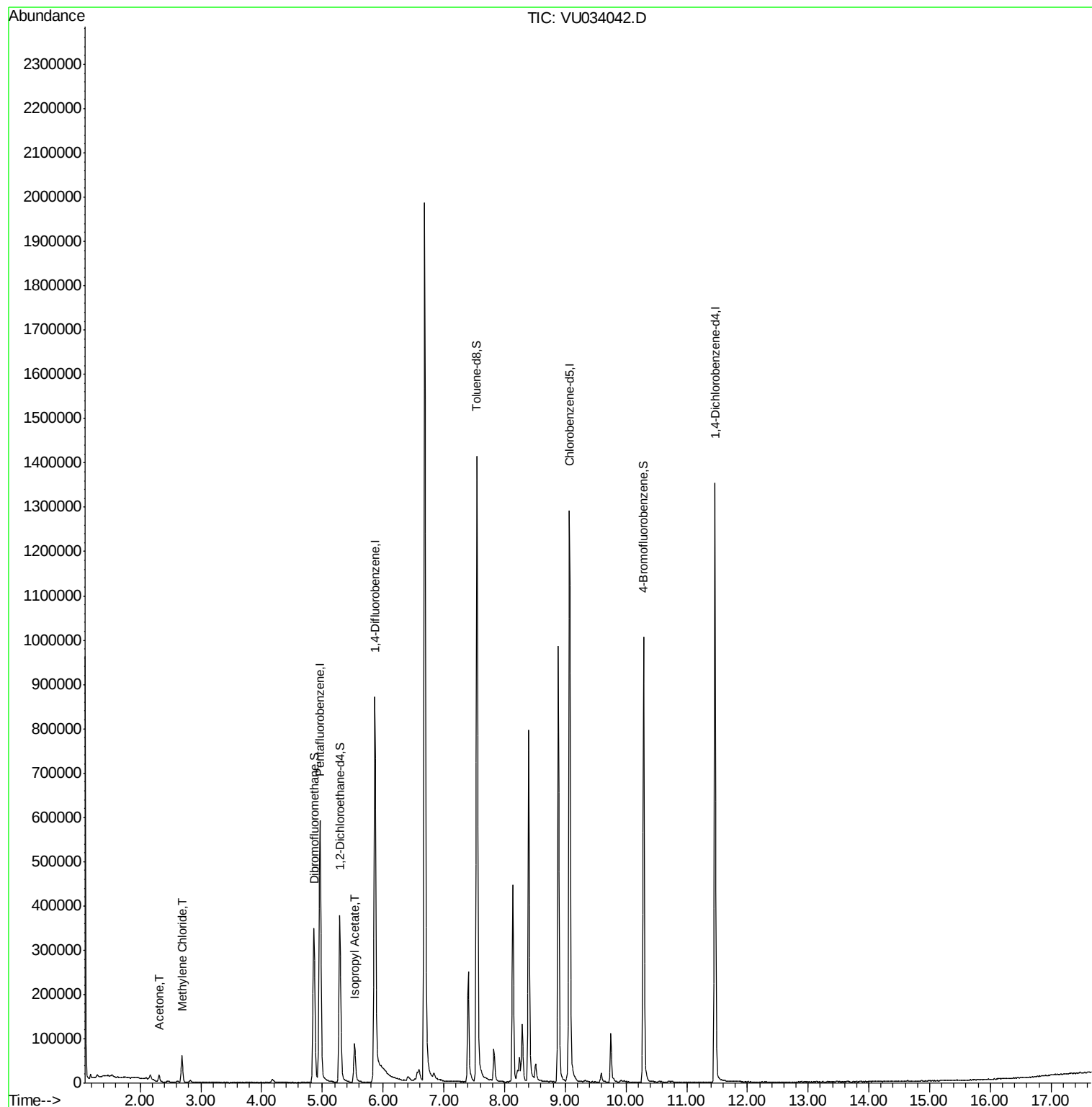
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 4.96  | 168  | 472193   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.87  | 114  | 768769   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.07  | 117  | 750173   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.47 | 152  | 369361   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 303503   | 50.16 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.32% |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 250060   | 46.90 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.80%  |          |
| 50) Toluene-d8              | 7.55  | 98   | 990019   | 49.59 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.18%  |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 344692   | 44.38 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.76%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.31  | 43   | 18177    | 5.888 | ug/l    | 97       |
| 20) Methylene Chloride      | 2.69  | 84   | 26009    | 4.450 | ug/l    | 99       |
| 43) Isopropyl Acetate       | 5.53  | 43   | 102161   | 8.247 | ug/l    | 99       |

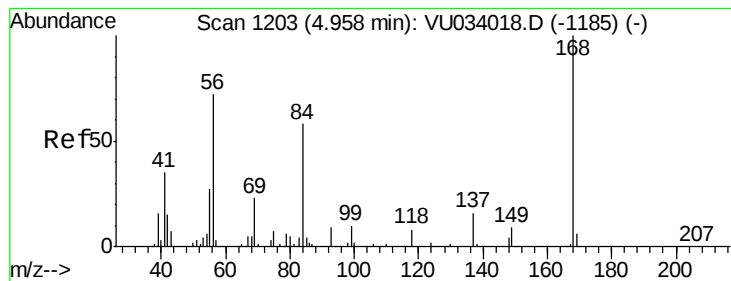
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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T9-12-13-B2-(0)

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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: VU034042.D

Acq: 28 Aug 2019 22:44

Instrument :

MSVOA\_U

ClientSampleId :

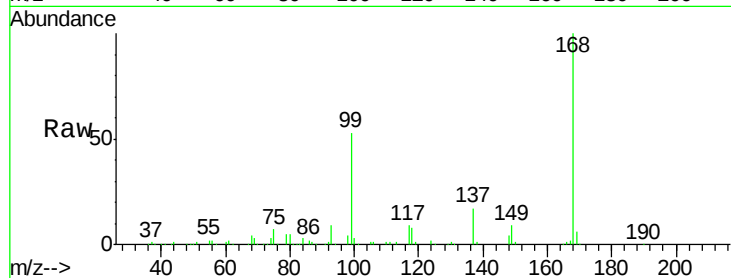
T9-12-13-B2-(0)

Tot Ion:168 Resp: 472193

Ion Ratio Lower Upper

168 100

99 53.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

200000

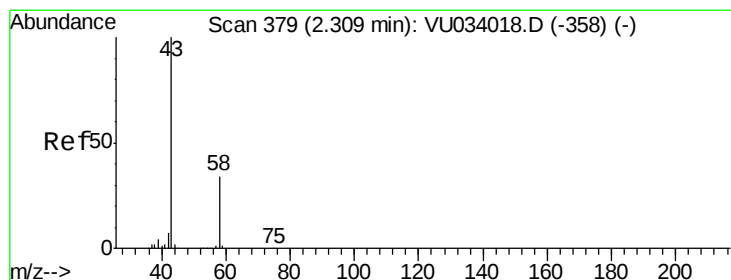
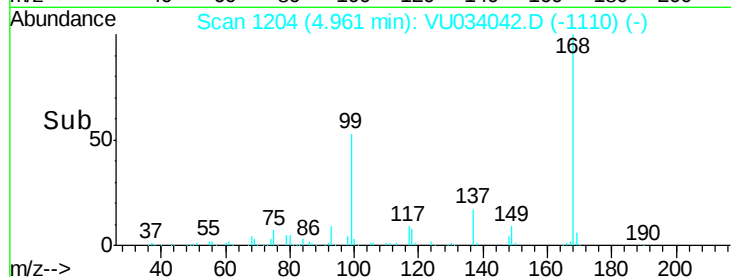
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.888 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034042.D

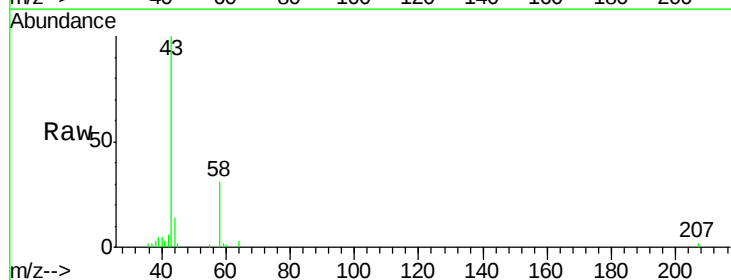
Acq: 28 Aug 2019 22:44

Tgt Ion: 43 Resp: 18177

Ion Ratio Lower Upper

43 100

58 31.8 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-358) (-)

2.31

12000

10000

8000

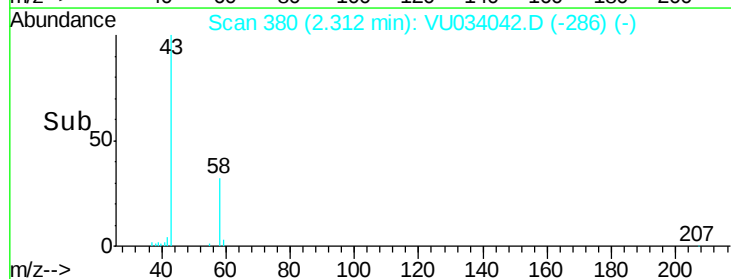
6000

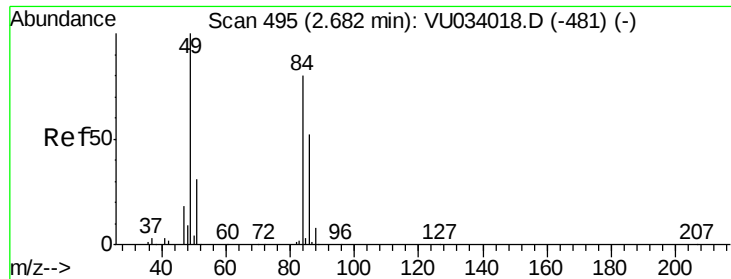
4000

2000

0

Time-->

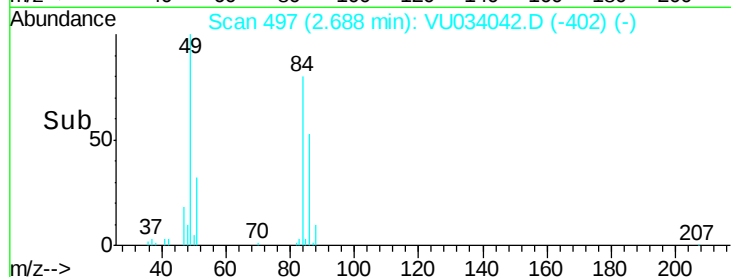
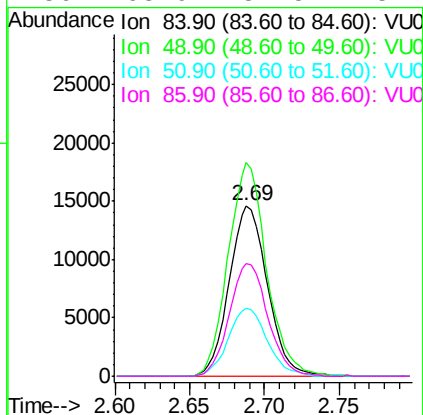
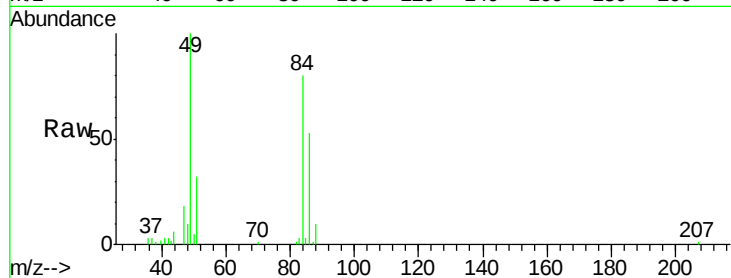




#20  
Methvlene Chloride  
Concen: 4.450 ug/l  
RT: 2.69 min Scan# 497  
Delta R.T. 0.01 min  
Lab File: VU034042.D  
Acq: 28 Aug 2019 22:44

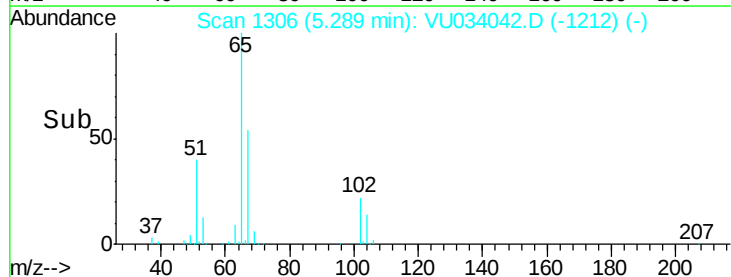
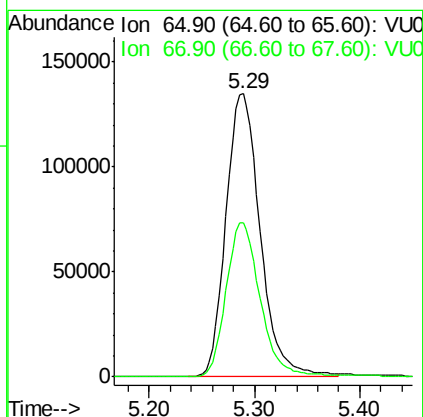
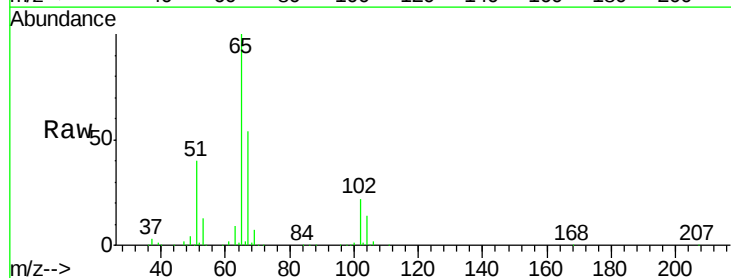
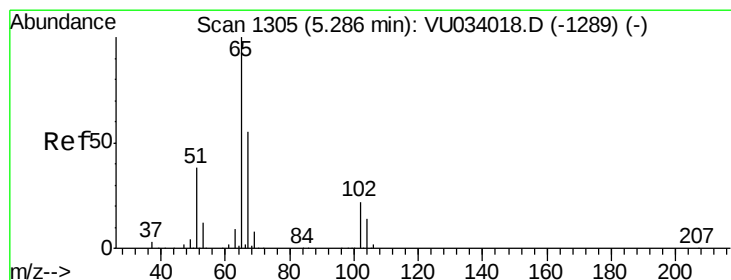
Instrument :  
MSVOA\_U  
ClientSampleId :  
T9-12-13-B2-(0)

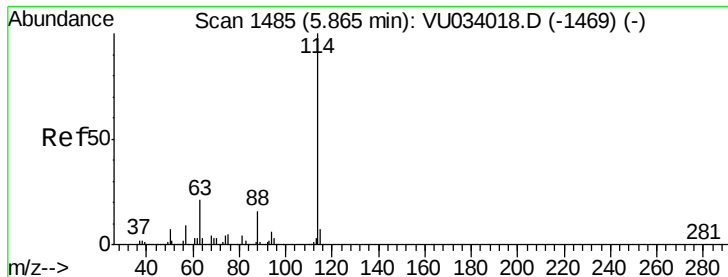
Tot Ion: 84 Resp: 26009  
Ion Ratio Lower Upper  
84 100  
49 125.0 100.2 150.4  
51 39.9 30.8 46.2  
86 65.9 52.5 78.7



#33  
1,2-Dichloroethane-d4  
Concen: 50.162 ug/l  
RT: 5.29 min Scan# 1306  
Delta R.T. 0.00 min  
Lab File: VU034042.D  
Acq: 28 Aug 2019 22:44

Tgt Ion: 65 Resp: 303503  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034042.D

Acq: 28 Aug 2019 22:44

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-B2-(0)

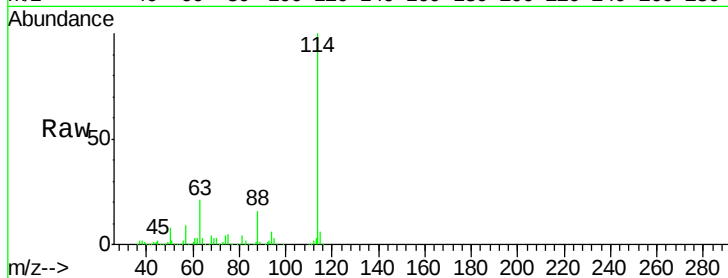
Tot Ion:114 Resp: 768769

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.0

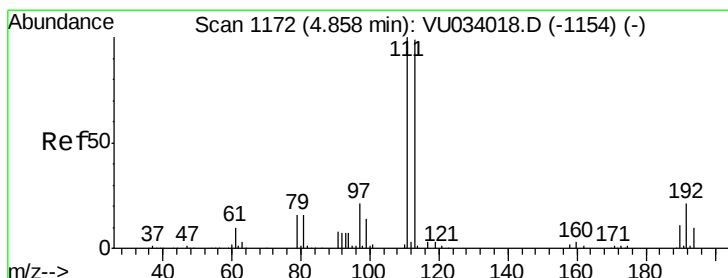
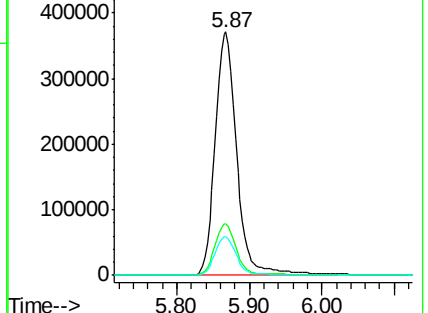
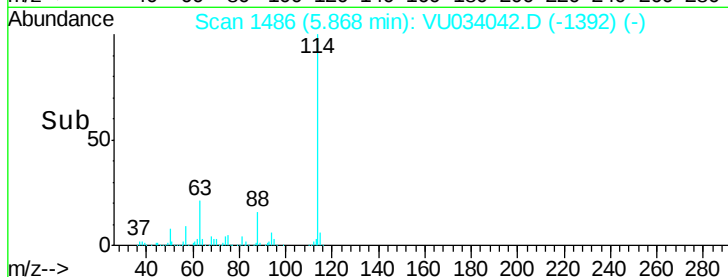
88 16.1 0.0 32.0



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: 46.897 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034042.D

Acq: 28 Aug 2019 22:44

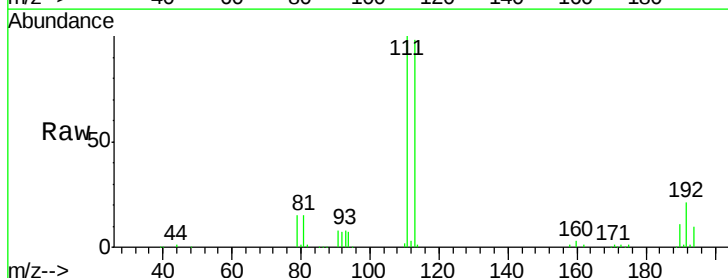
Tgt Ion:113 Resp: 250060

Ion Ratio Lower Upper

113 100

111 102.4 81.7 122.5

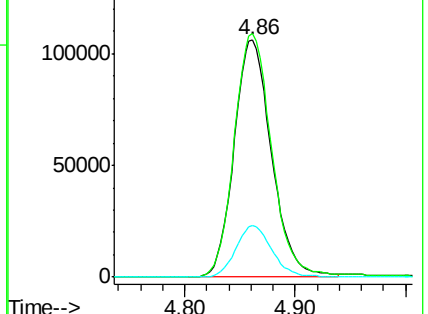
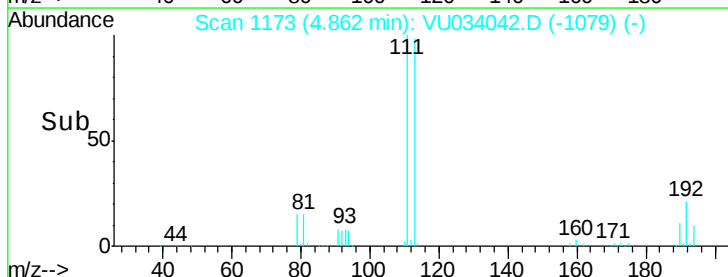
192 21.1 17.1 25.7



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: 8.247 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034042.D

Acq: 28 Aug 2019 22:44

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-B2-(0)

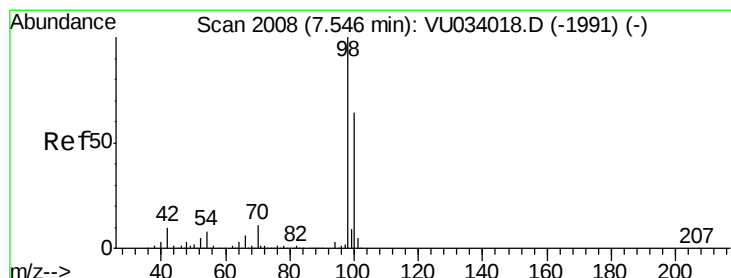
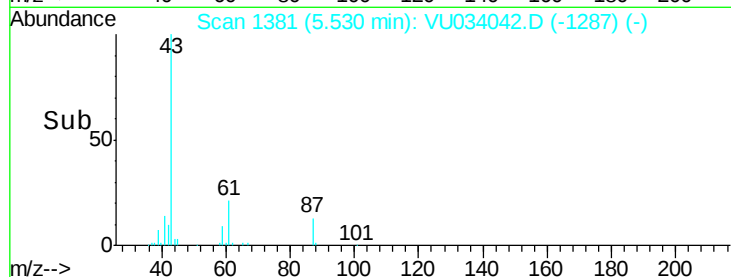
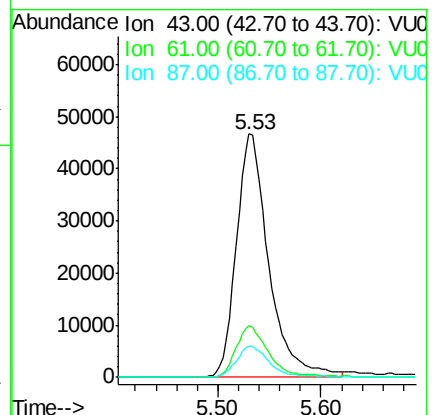
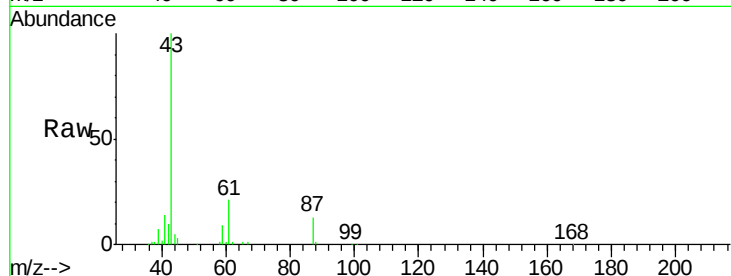
Tot Ion: 43 Resp: 102161

Ion Ratio Lower Upper

43 100

61 21.2 17.2 25.8

87 13.0 10.8 16.2



#50

Toluene-d8

Concen: 49.587 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VU034042.D

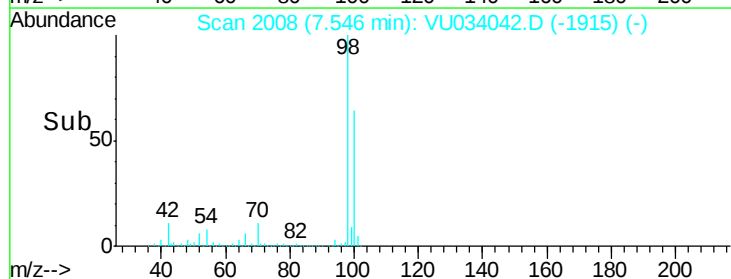
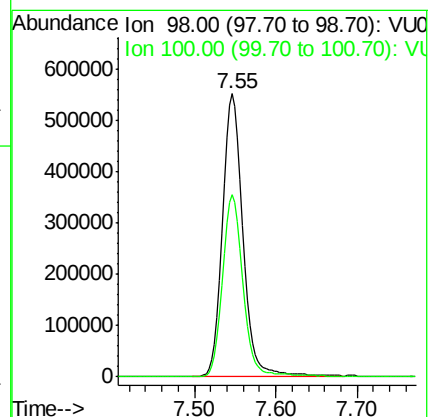
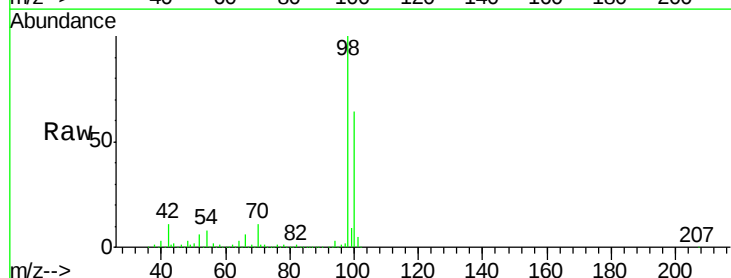
Acq: 28 Aug 2019 22:44

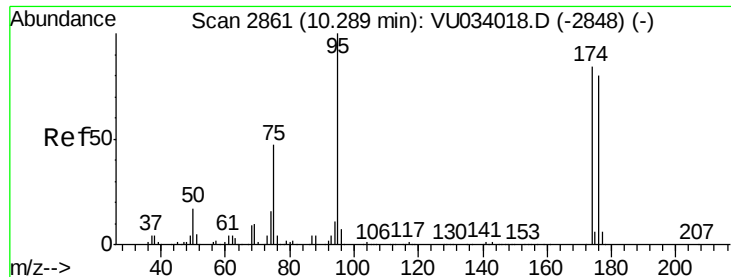
Tgt Ion: 98 Resp: 990019

Ion Ratio Lower Upper

98 100

100 64.8 50.3 75.5

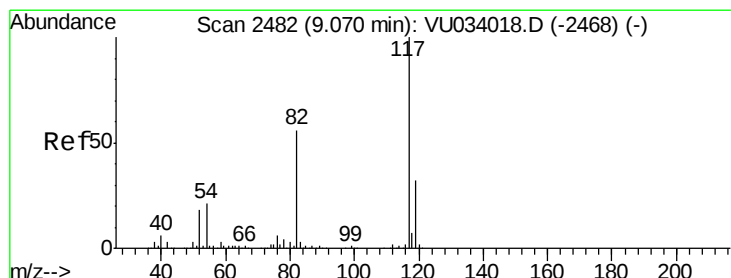
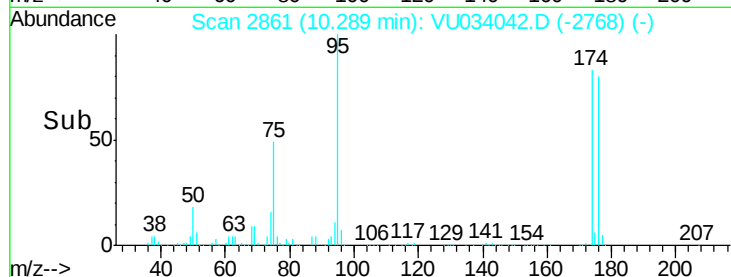
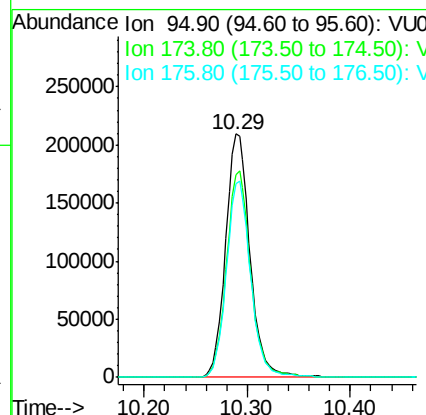
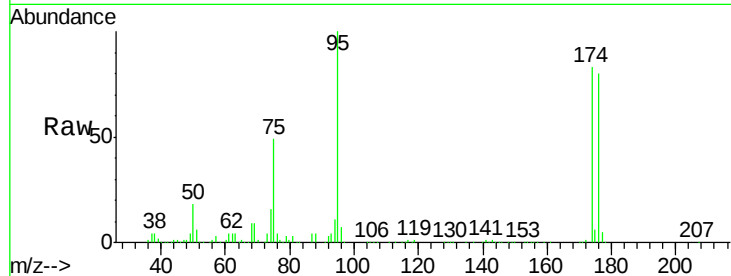




#62  
4-Bromofluorobenzene  
Concen: 44.383 ug/l  
RT: 10.29 min Scan# 2861  
Delta R.T. -0.00 min  
Lab File: VU034042.D  
Acq: 28 Aug 2019 22:44

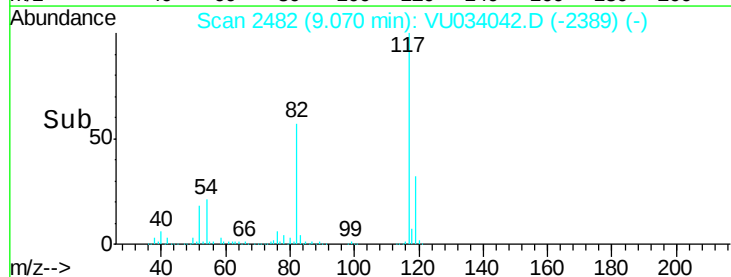
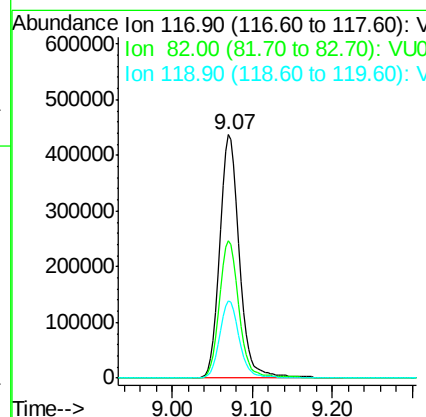
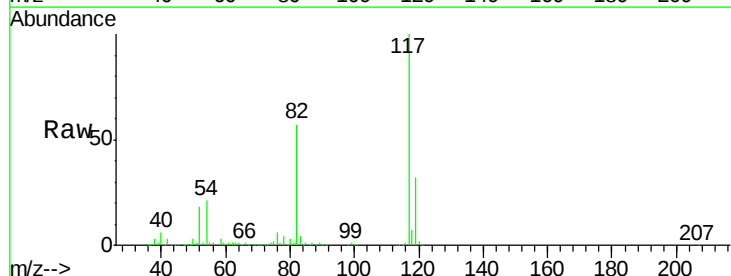
Instrument :  
MSVOA\_U  
ClientSampleId :  
T9-12-13-B2-(0)

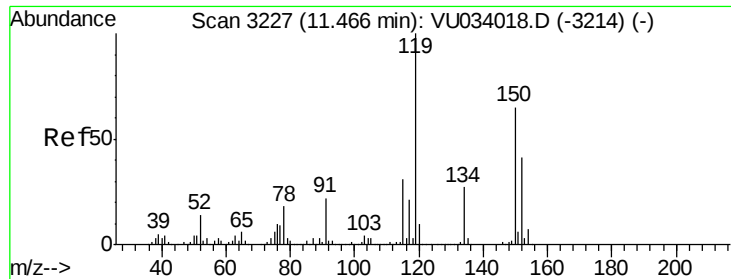
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 84.2  | 0.0   | 168.8 |
| 176     | 80.1  | 0.0   | 161.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. -0.00 min  
Lab File: VU034042.D  
Acq: 28 Aug 2019 22:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.6  | 45.1  | 67.7  |
| 119     | 31.8  | 25.4  | 38.0  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VU034042.D

Acq: 28 Aug 2019 22:44

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-B2-(0)

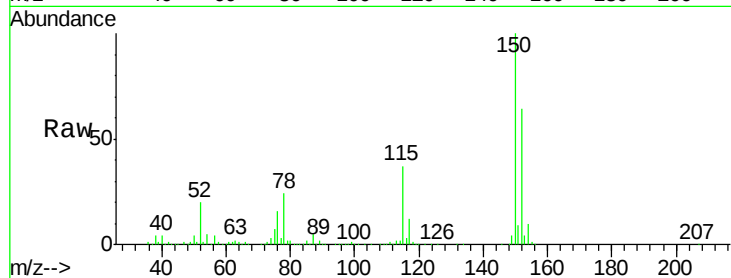
Tot Ion:152 Resp: 369361

Ion Ratio Lower Upper

152 100

115 57.2 41.1 123.3

150 156.2 0.0 348.8



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

