

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090419\  
 Data File : VU034216.D  
 Acq On : 03 Sep 2019 10:46  
 Operator : JC/SP  
 Sample : PB122764TB  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PB122764TB

Quant Time: Sep 04 04:52:20 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

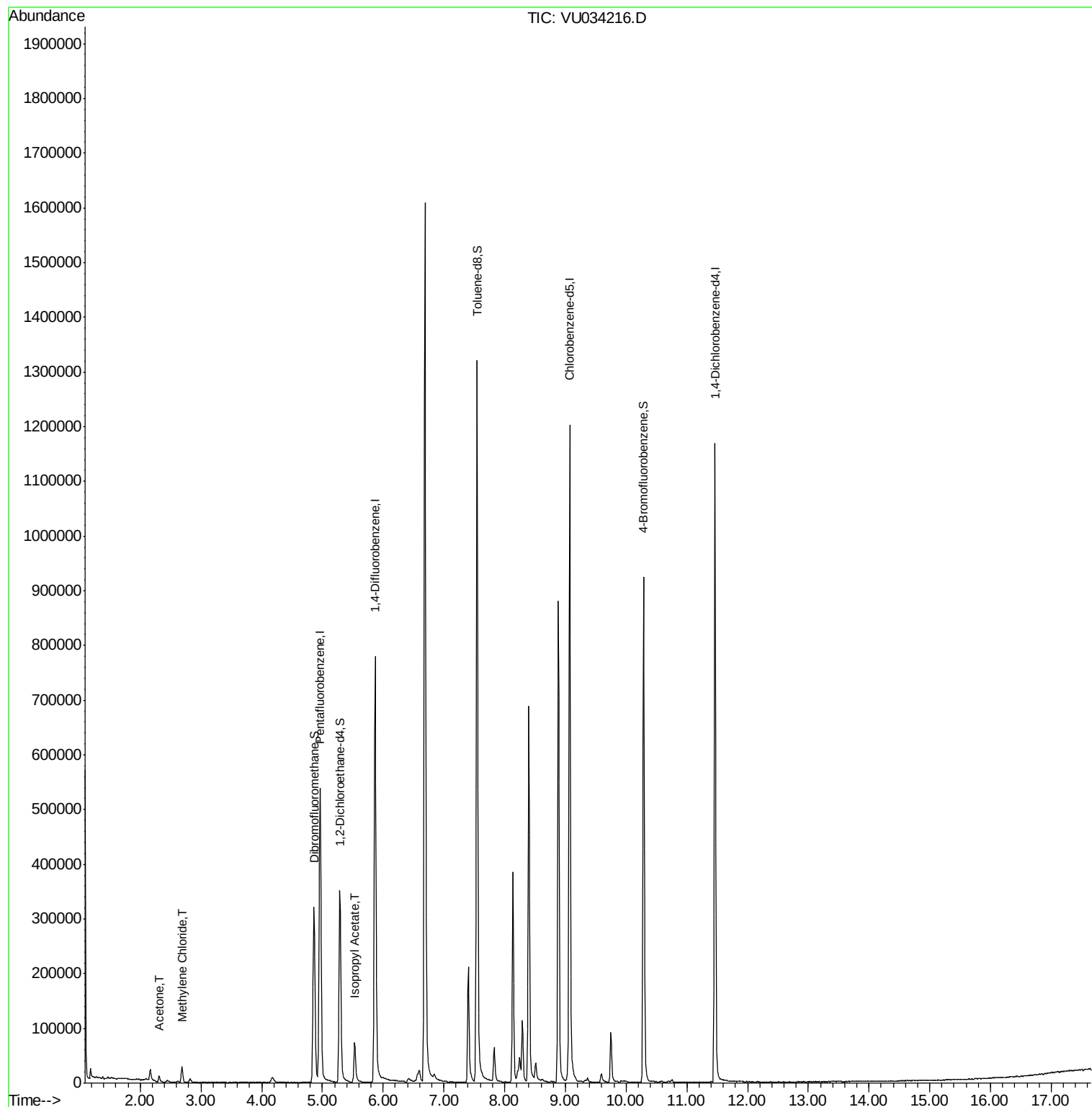
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 4.96  | 168  | 432673   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.87  | 114  | 700923   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.07  | 117  | 705847   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.46 | 152  | 330808   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 277316   | 50.02 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.04% |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 234041   | 48.14 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.28%  |          |
| 50) Toluene-d8              | 7.55  | 98   | 927068   | 50.93 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.86% |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 316029   | 44.63 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.26%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.31  | 43   | 12788    | 4.521 | ug/l    | 97       |
| 20) Methylene Chloride      | 2.69  | 84   | 13070    | 2.441 | ug/l    | 96       |
| 43) Isopropyl Acetate       | 5.53  | 43   | 85710    | 7.588 | ug/l    | 99       |

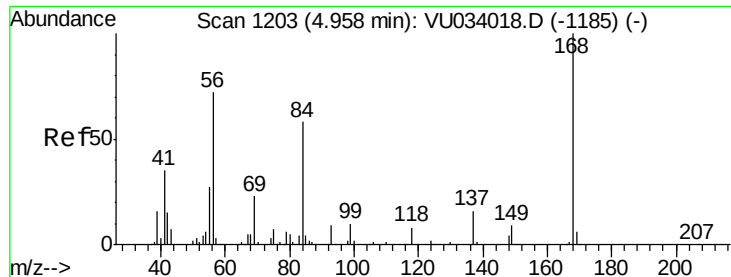
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1205

Delta R.T. 0.01 min

Lab File: VU034216.D

Acq: 03 Sep 2019 10:46

Instrument :

MSVOA\_U

ClientSampleId :

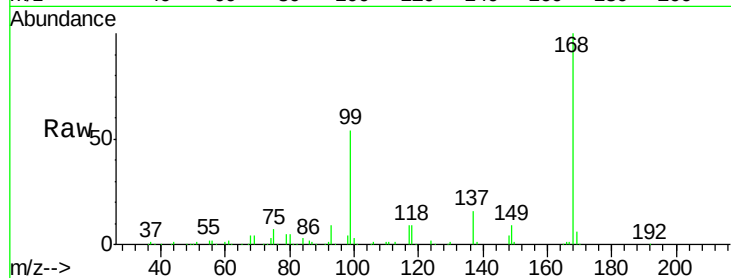
PB122764TB

Tot Ion:168 Resp: 432673

Ion Ratio Lower Upper

168 100

99 53.7 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

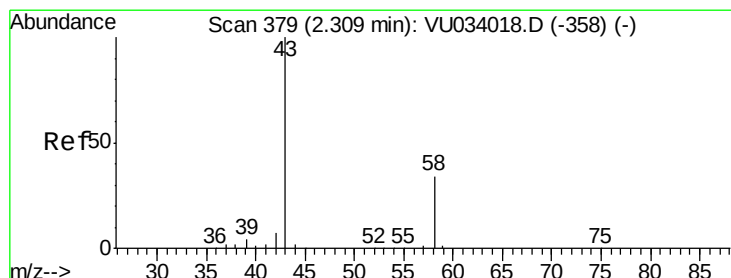
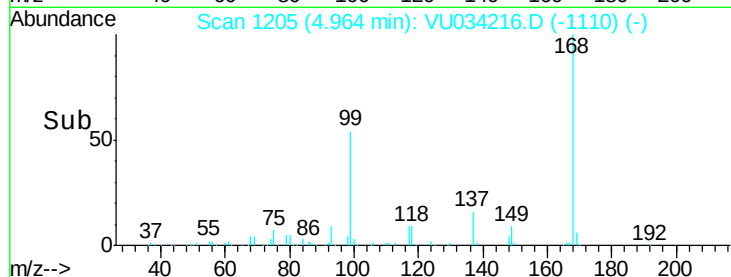
100000

50000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 4.521 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034216.D

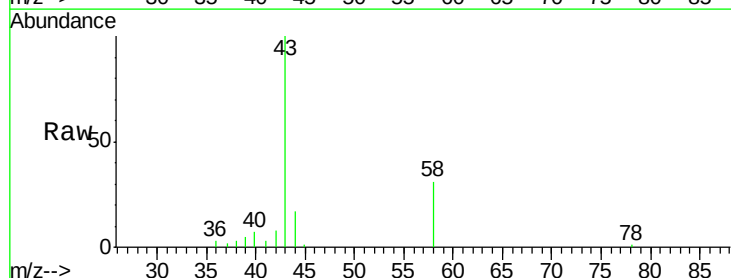
Acq: 03 Sep 2019 10:46

Tgt Ion: 43 Resp: 12788

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

8000

6000

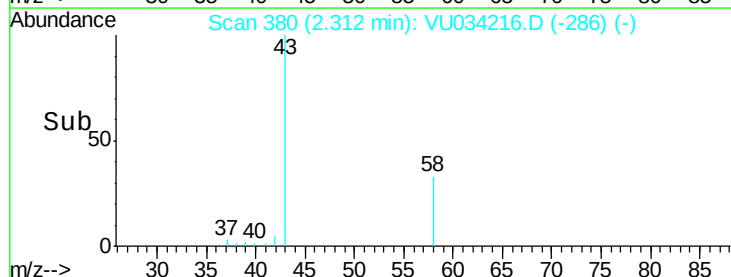
4000

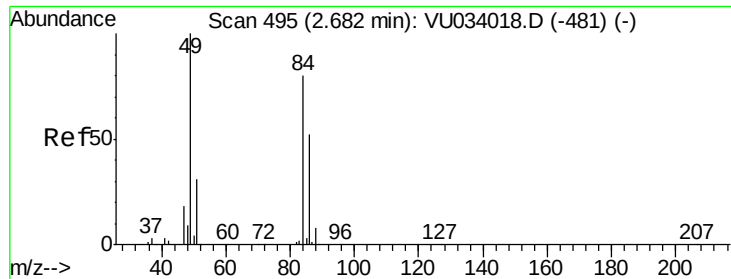
2000

0

2.25 2.30 2.35

Time-->

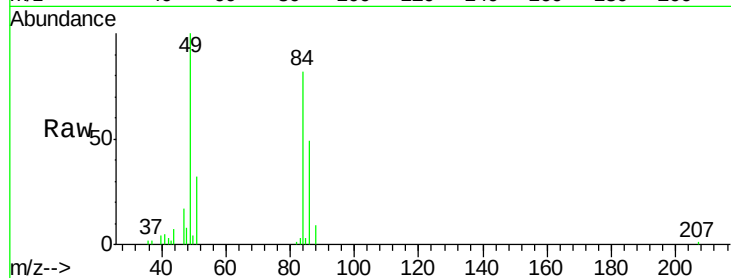




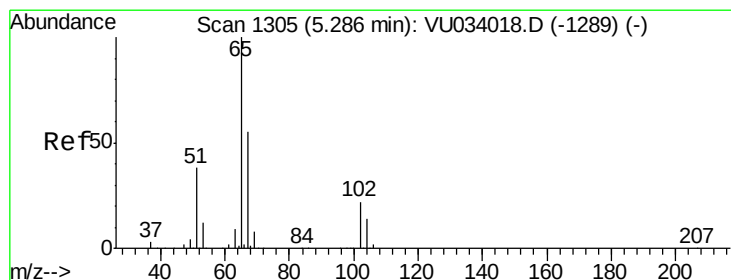
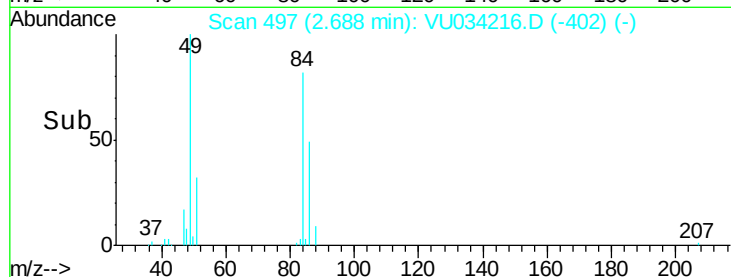
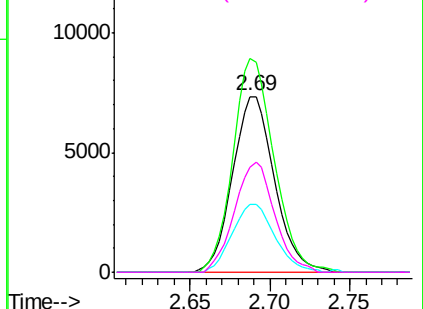
#20  
Methvlene Chloride  
Concen: 2.441 ug/l  
RT: 2.69 min Scan# 497  
Delta R.T. 0.01 min  
Lab File: VU034216.D  
Acq: 03 Sep 2019 10:46

Instrument :  
MSVOA\_U  
ClientSampleId :  
PB122764TB

Tot Ion: 84 Resp: 13070  
Ion Ratio Lower Upper  
84 100  
49 121.4 100.2 150.4  
51 38.7 30.8 46.2  
86 59.8 52.5 78.7

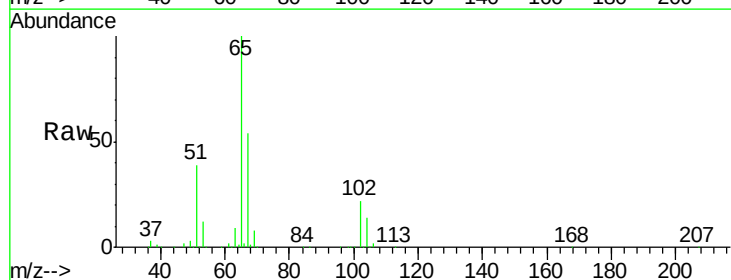


Abundance Ion 83.90 (83.60 to 84.60): VU0  
Ion 48.90 (48.60 to 49.60): VU0  
Ion 50.90 (50.60 to 51.60): VU0  
Ion 85.90 (85.60 to 86.60): VU0

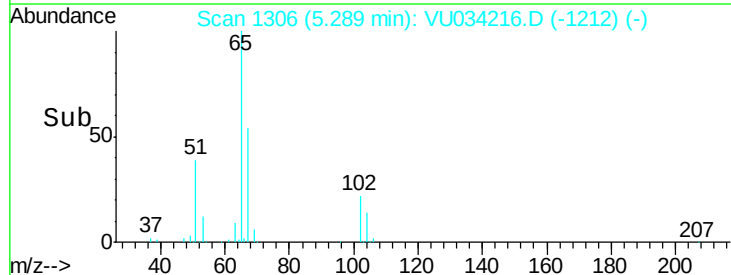
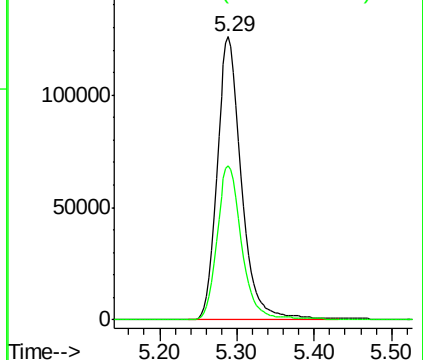


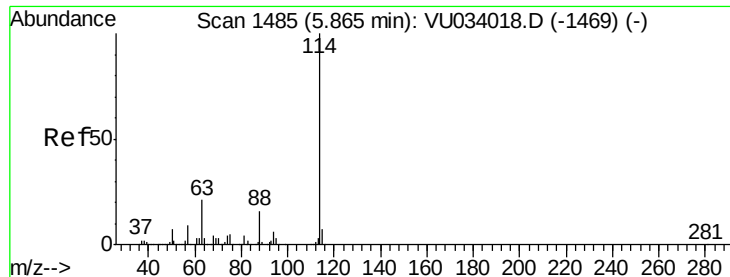
#33  
1,2-Dichloroethane-d4  
Concen: 50.021 ug/l  
RT: 5.29 min Scan# 1306  
Delta R.T. 0.00 min  
Lab File: VU034216.D  
Acq: 03 Sep 2019 10:46

Tgt Ion: 65 Resp: 277316  
Ion Ratio Lower Upper  
65 100  
67 54.9 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0  
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034216.D

Acq: 03 Sep 2019 10:46

Instrument :

MSVOA\_U

ClientSampleId :

PB122764TB

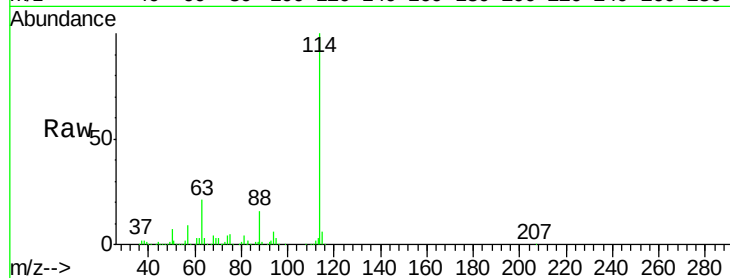
Tot Ion:114 Resp: 700923

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.0

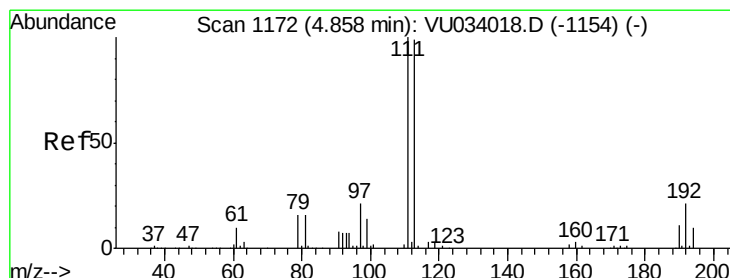
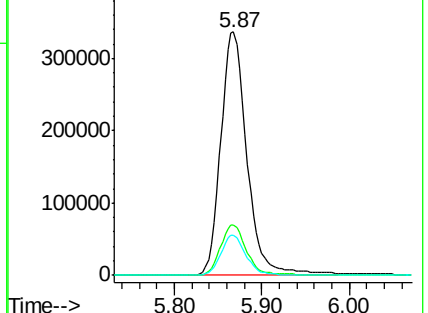
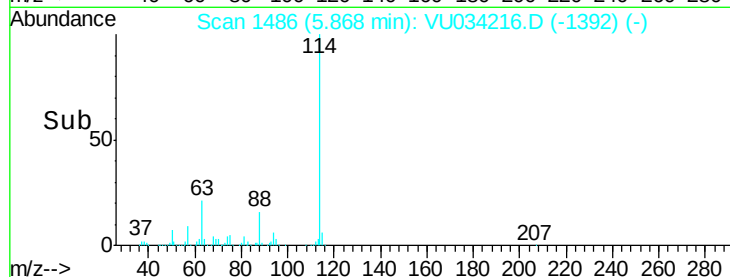
88 16.3 0.0 32.0



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: 48.141 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034216.D

Acq: 03 Sep 2019 10:46

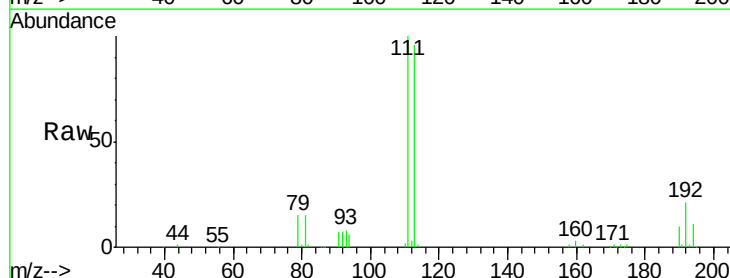
Tgt Ion:113 Resp: 234041

Ion Ratio Lower Upper

113 100

111 102.1 81.7 122.5

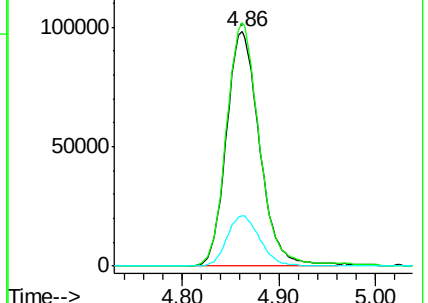
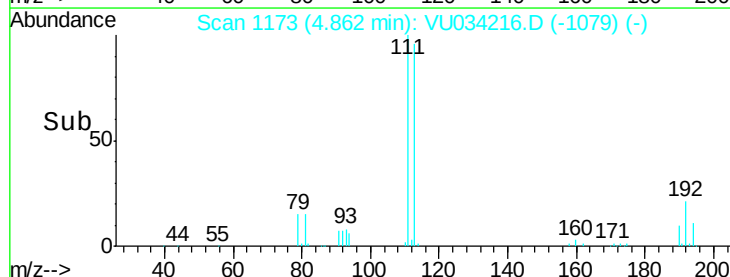
192 21.4 17.1 25.7

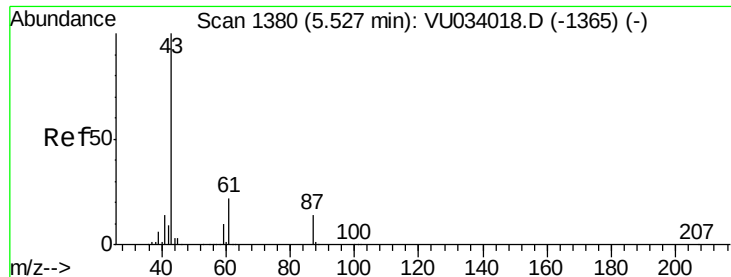


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

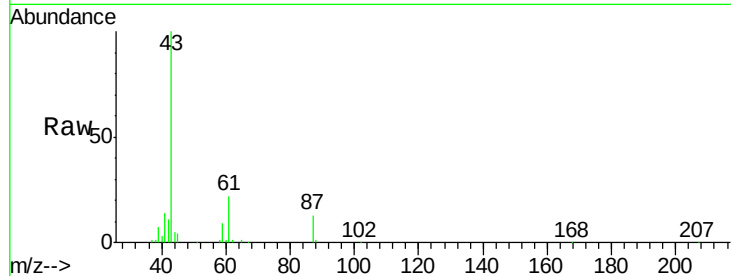




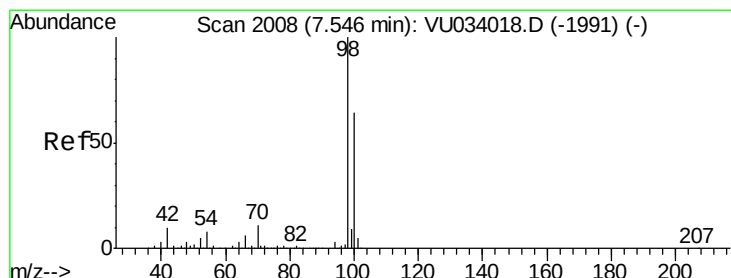
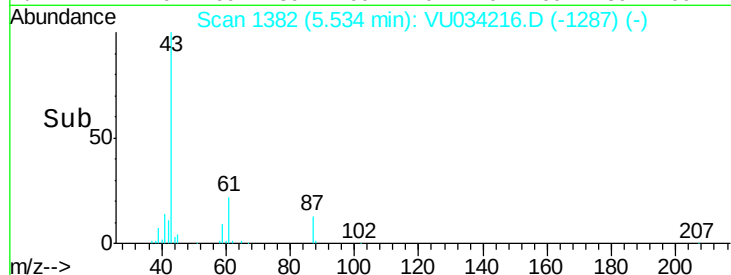
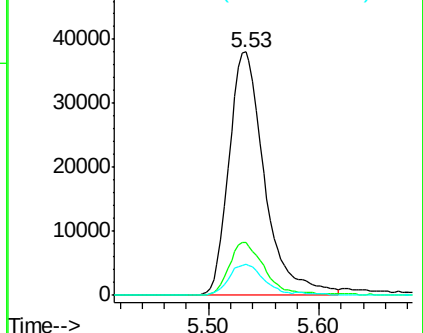
#43  
Isopropyl Acetate  
Concen: 7.588 ug/l  
RT: 5.53 min Scan# 1382  
Delta R.T. 0.01 min  
Lab File: VU034216.D  
Acq: 03 Sep 2019 10:46

Instrument :  
MSVOA\_U  
ClientSampleId :  
PB122764TB

| Tot Ion   | 43    | Resp  | 85710 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 21.6  | 17.2  | 25.8  |
| 87        | 12.3  | 10.8  | 16.2  |

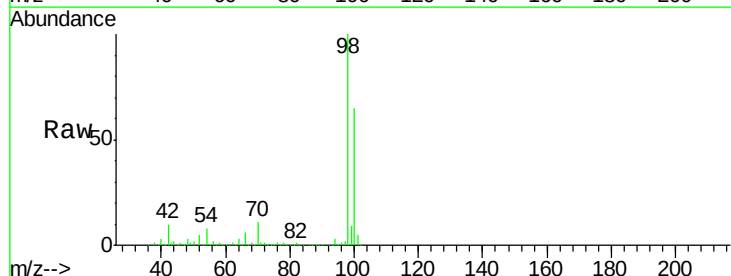


Abundance Ion 43.00 (42.70 to 43.70): VU0  
Ion 61.00 (60.70 to 61.70): VU0  
Ion 87.00 (86.70 to 87.70): VU0

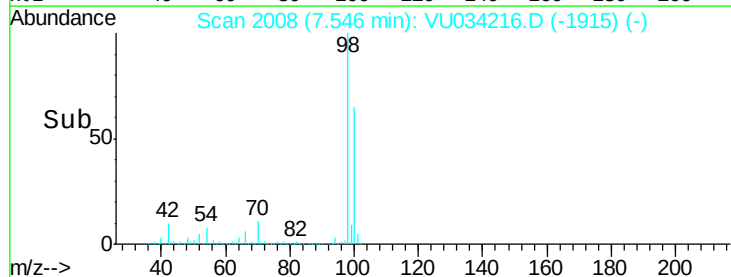
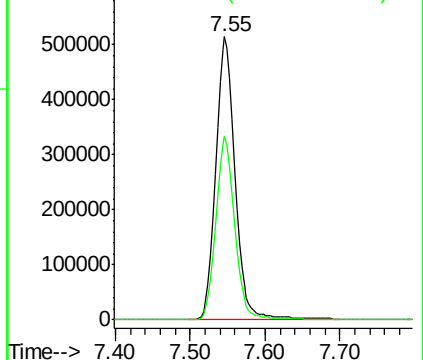


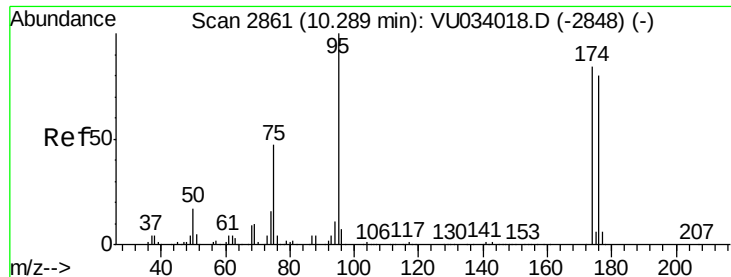
#50  
Toluene-d8  
Concen: 50.928 ug/l  
RT: 7.55 min Scan# 2008  
Delta R.T. -0.00 min  
Lab File: VU034216.D  
Acq: 03 Sep 2019 10:46

| Tgt Ion   | 98    | Resp  | 927068 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 64.0  | 50.3  | 75.5   |



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





#62

4-Bromofluorobenzene

Concen: 44.631 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VU034216.D

Acq: 03 Sep 2019 10:46

Instrument :

MSVOA\_U

ClientSampleId :

PB122764TB

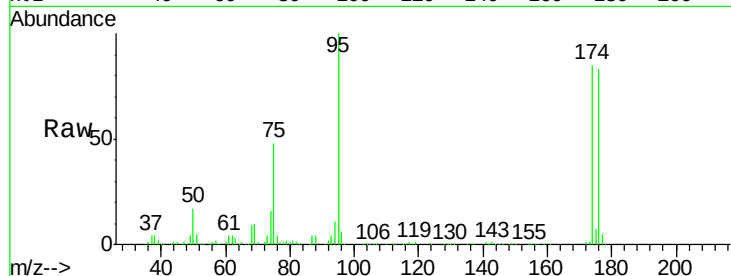
Tot Ion: 95 Resp: 316029

Ion Ratio Lower Upper

95 100

174 85.8 0.0 168.8

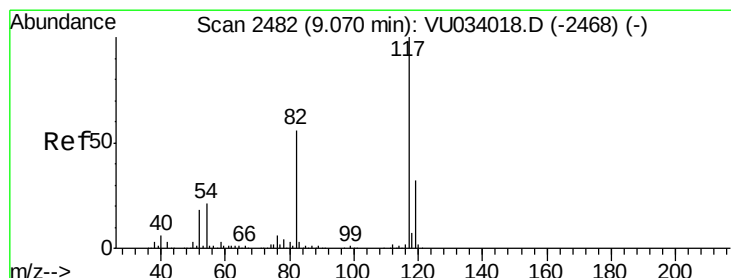
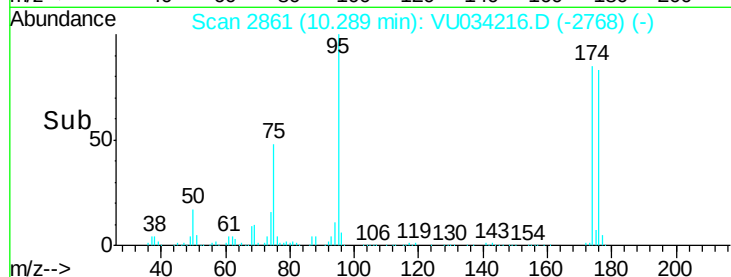
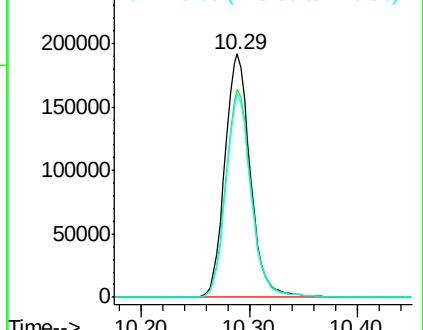
176 82.7 0.0 161.8



Abundance Ion 94.90 (94.60 to 95.60): VU034018.D (-2848) (-)

Ion 173.80 (173.50 to 174.50): VU034018.D (-2848) (-)

Ion 175.80 (175.50 to 176.50): VU034018.D (-2848) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. -0.00 min

Lab File: VU034216.D

Acq: 03 Sep 2019 10:46

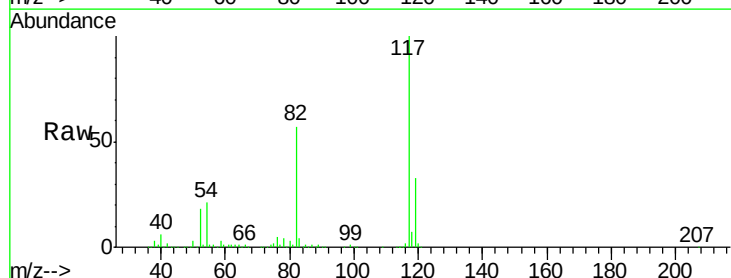
Tgt Ion: 117 Resp: 705847

Ion Ratio Lower Upper

117 100

82 56.9 45.1 67.7

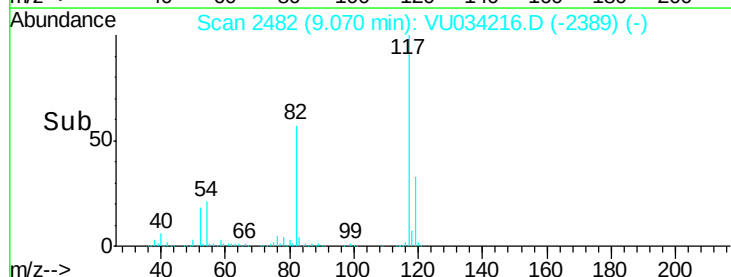
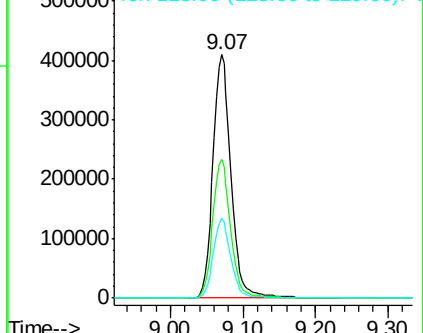
119 32.5 25.4 38.0

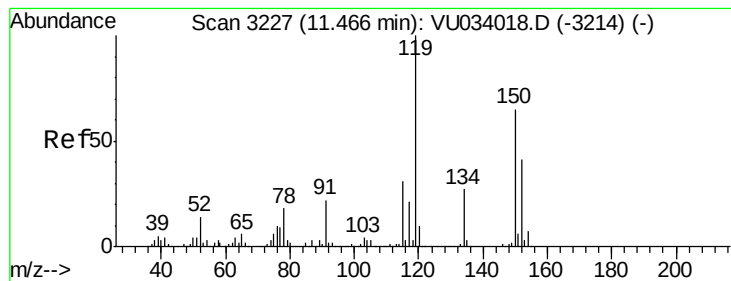


Abundance Ion 116.90 (116.60 to 117.60): VU034018.D (-2468) (-)

Ion 82.00 (81.70 to 82.70): VU034018.D (-2468) (-)

Ion 118.90 (118.60 to 119.60): VU034018.D (-2468) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034216.D

Acq: 03 Sep 2019 10:46

Instrument :

MSVOA\_U

ClientSampleId :

PB122764TB

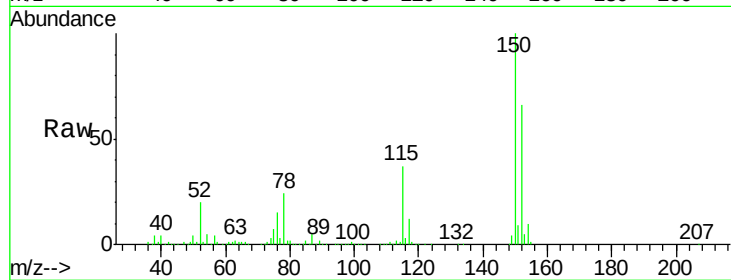
Tot Ion:152 Resp: 330808

Ion Ratio Lower Upper

152 100

115 56.6 41.1 123.3

150 154.9 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

