

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\  
 Data File : VU034072.D  
 Acq On : 29 Aug 2019 19:09  
 Operator : JC/SP  
 Sample : K4528-22  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T9-12-13-Q3-(0)

Quant Time: Aug 30 05:17:51 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

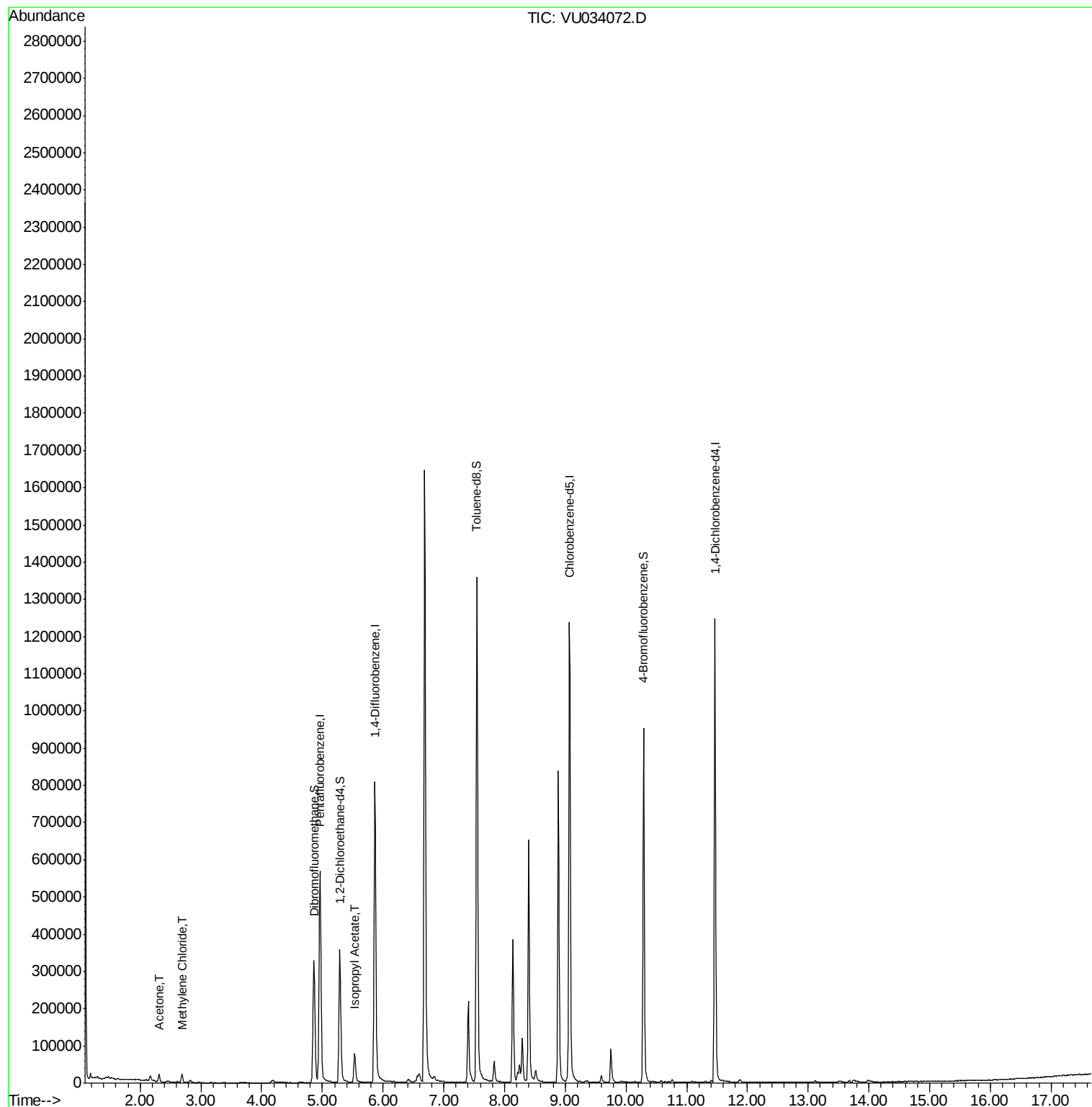
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 4.96  | 168  | 451575   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.87  | 114  | 727067   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.07  | 117  | 718984   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.47 | 152  | 346609   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 285843   | 49.40 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.80%  |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 237042   | 47.01 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.02%  |          |
| 50) Toluene-d8              | 7.55  | 98   | 947403   | 50.17 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.34% |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 331242   | 45.10 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.20%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.31  | 43   | 23274    | 7.883 | ug/l    | 94       |
| 20) Methylene Chloride      | 2.69  | 84   | 10492    | 1.877 | ug/l    | 98       |
| 43) Isopropyl Acetate       | 5.53  | 43   | 92063    | 7.858 | ug/l    | 99       |

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

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T9-12-13-Q3-(0)

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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# 1205

Delta R.T. 0.01 min

Lab File: VU034072.D

Acq: 29 Aug 2019 19:09

Instrument :

MSVOA\_U

ClientSampleId :

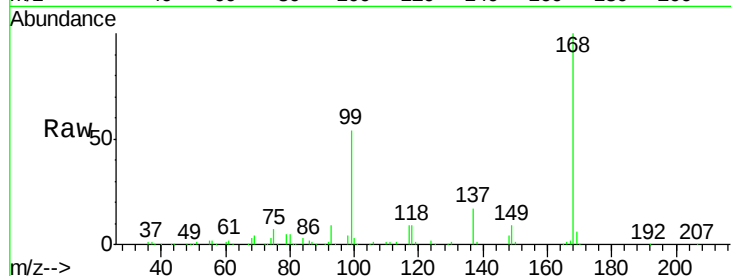
T9-12-13-Q3-(0)

Tot Ion:168 Resp: 451575

Ion Ratio Lower Upper

168 100

99 54.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034072.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034072.D (-1185) (-)

4.96

200000

150000

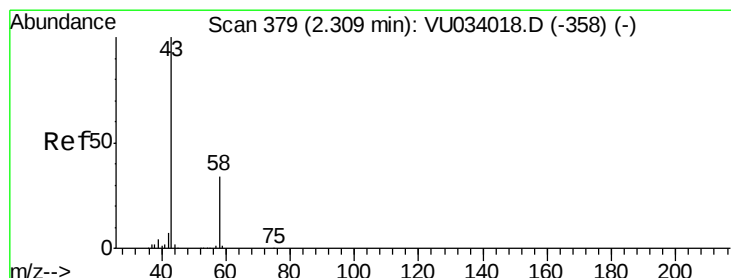
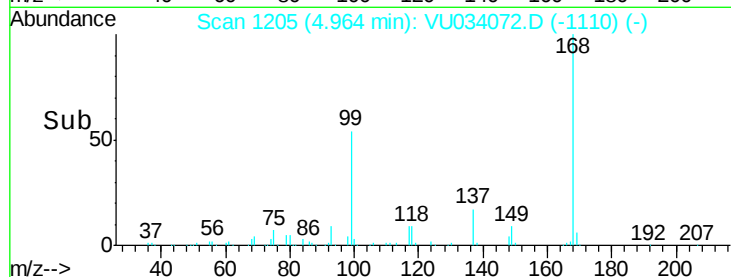
100000

50000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 7.883 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU034072.D

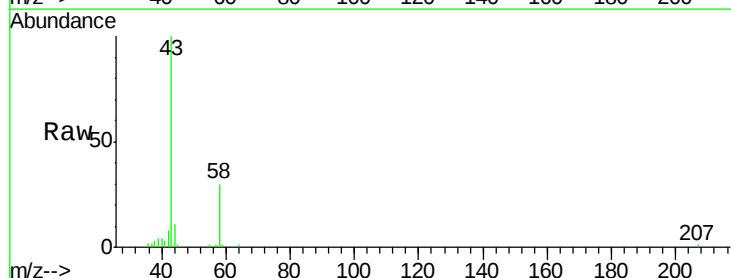
Acq: 29 Aug 2019 19:09

Tgt Ion: 43 Resp: 23274

Ion Ratio Lower Upper

43 100

58 29.8 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034072.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034072.D (-286) (-)

2.31

15000

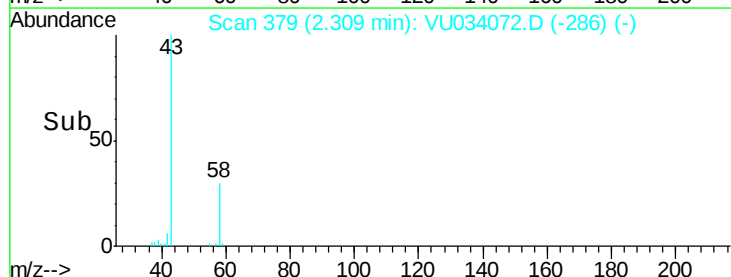
10000

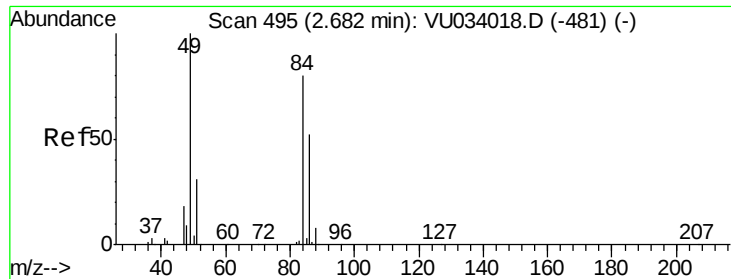
5000

0

2.25 2.30 2.35 2.40

Time-->

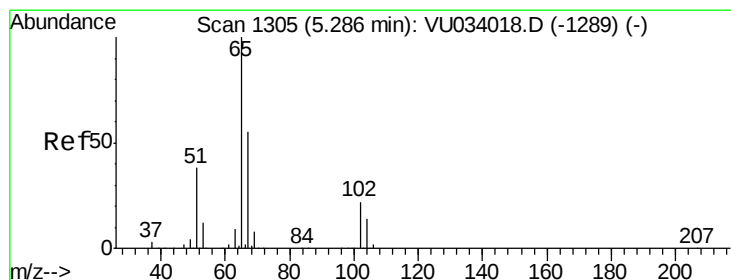
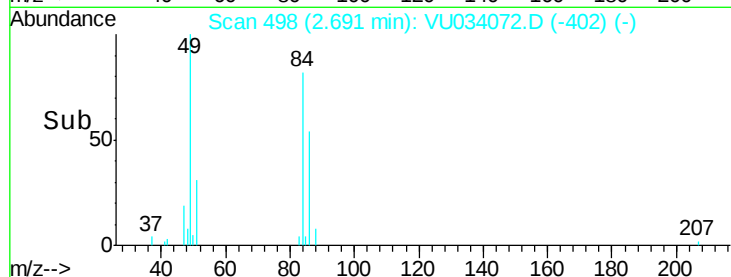
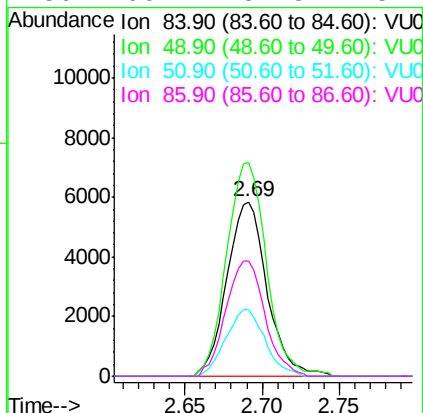
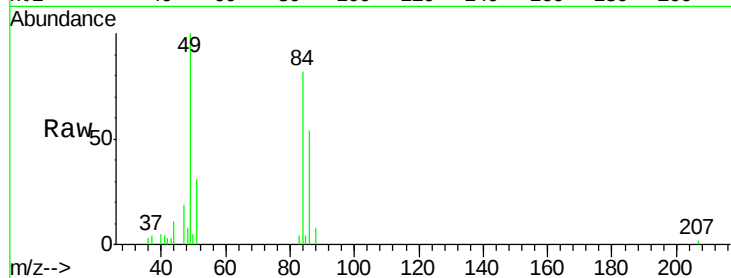




#20  
Methvlene Chloride  
Concen: 1.877 ug/l  
RT: 2.69 min Scan# 498  
Delta R.T. 0.01 min  
Lab File: VU034072.D  
Acq: 29 Aug 2019 19:09

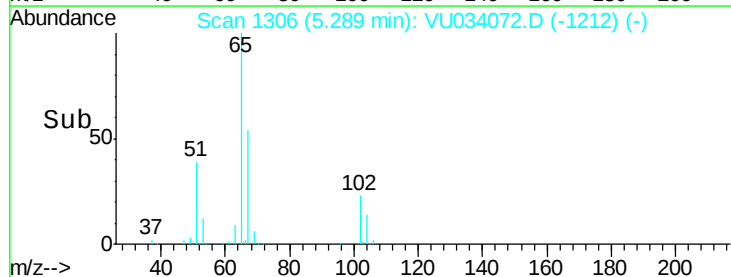
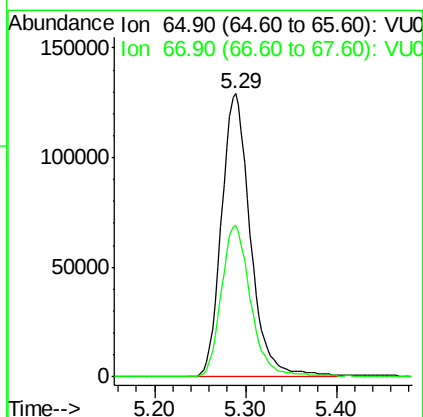
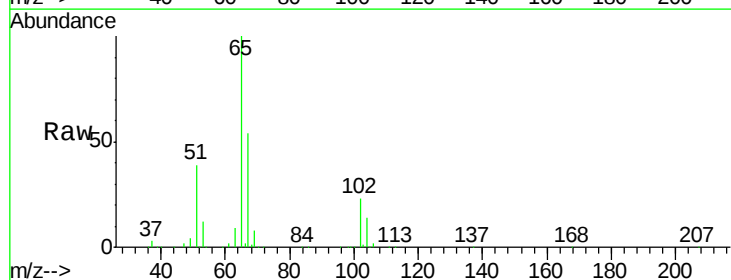
Instrument :  
MSVOA\_U  
ClientSampleId :  
T9-12-13-Q3-(0)

Tot Ion: 84 Resp: 10492  
Ion Ratio Lower Upper  
84 100  
49 122.3 100.2 150.4  
51 38.1 30.8 46.2  
86 66.1 52.5 78.7



#33  
1,2-Dichloroethane-d4  
Concen: 49.401 ug/l  
RT: 5.29 min Scan# 1306  
Delta R.T. 0.00 min  
Lab File: VU034072.D  
Acq: 29 Aug 2019 19:09

Tgt Ion: 65 Resp: 285843  
Ion Ratio Lower Upper  
65 100  
67 54.7 0.0 110.6

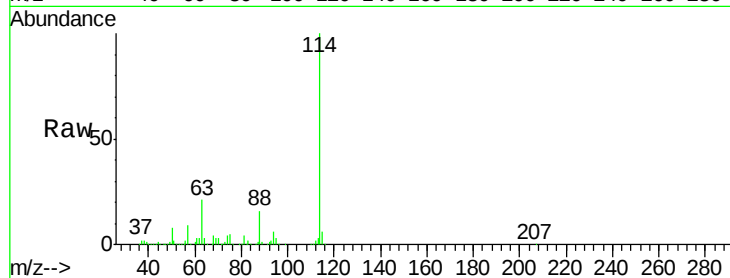




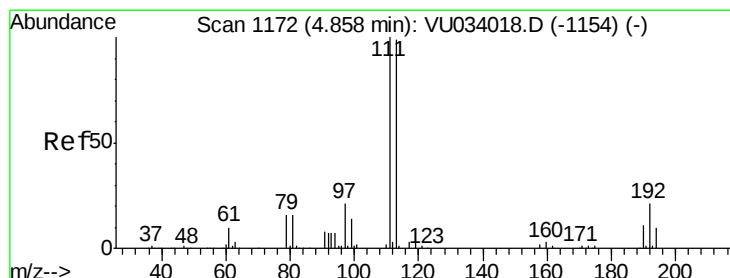
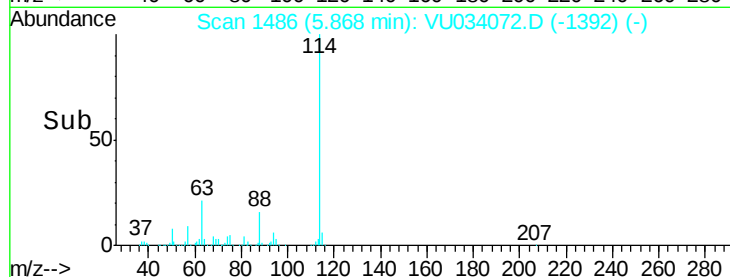
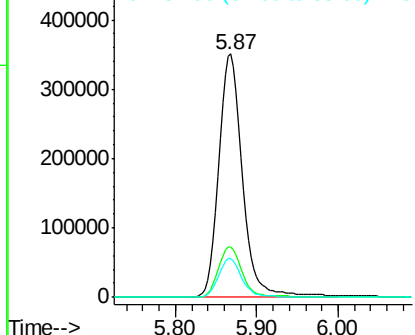
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.87 min Scan# 1486  
 Delta R.T. 0.00 min  
 Lab File: VU034072.D  
 Acq: 29 Aug 2019 19:09

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T9-12-13-Q3-(0)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.6  | 0.0   | 42.0  |
| 88      | 16.1  | 0.0   | 32.0  |

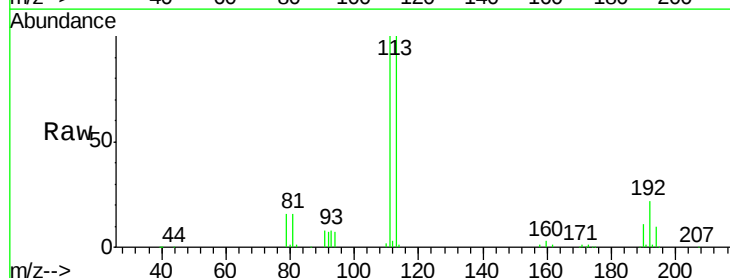


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VU0  
 Ion 87.90 (87.60 to 88.60): VU0

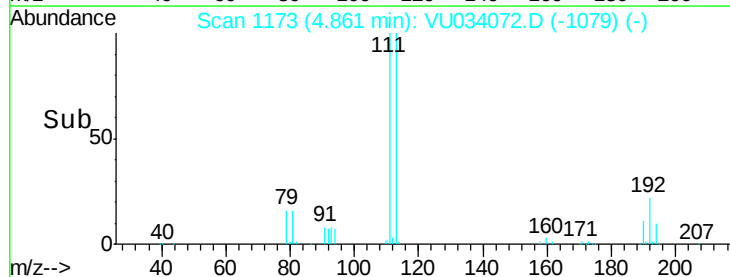
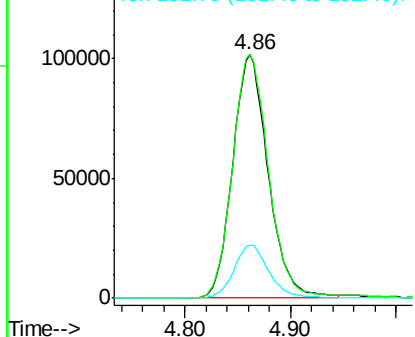


#35  
 Dibromofluoromethane  
 Concen: 47.005 ug/l  
 RT: 4.86 min Scan# 1173  
 Delta R.T. 0.00 min  
 Lab File: VU034072.D  
 Acq: 29 Aug 2019 19:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.5 | 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

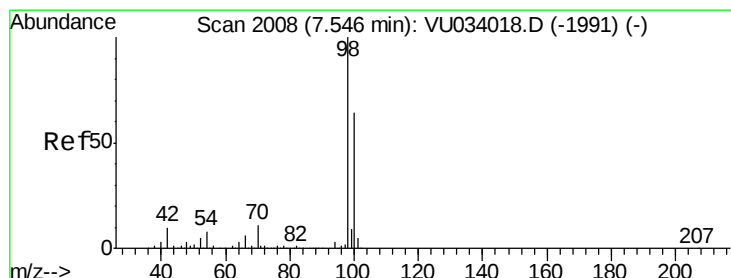
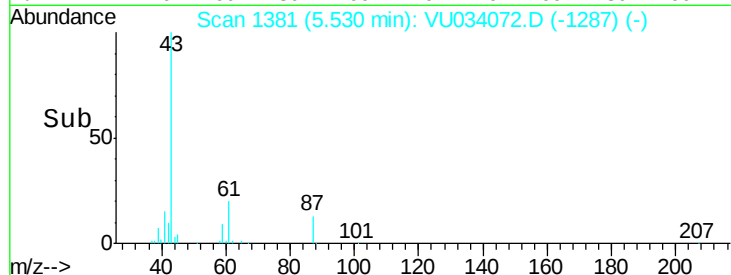
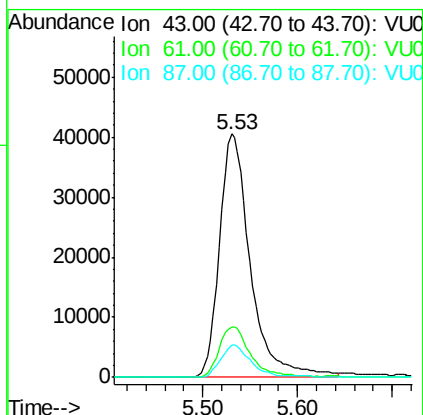
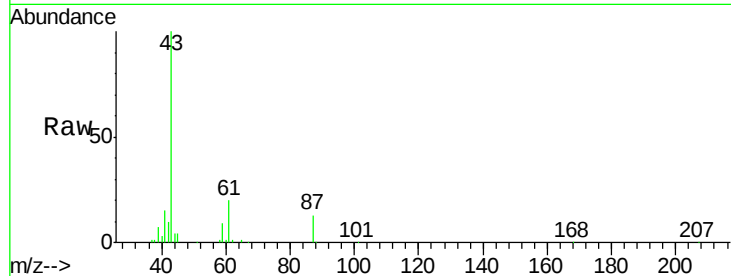




#43  
Isopropyl Acetate  
Concen: 7.858 ug/l  
RT: 5.53 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VU034072.D  
Acq: 29 Aug 2019 19:09

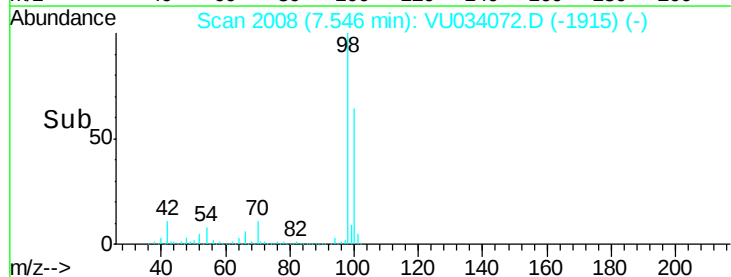
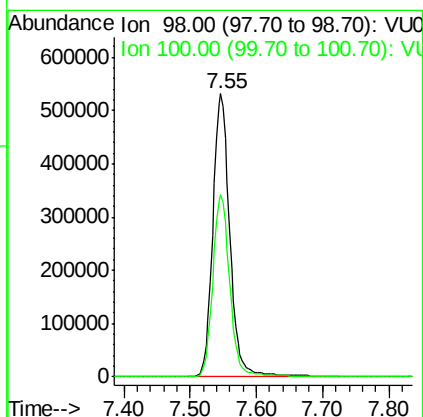
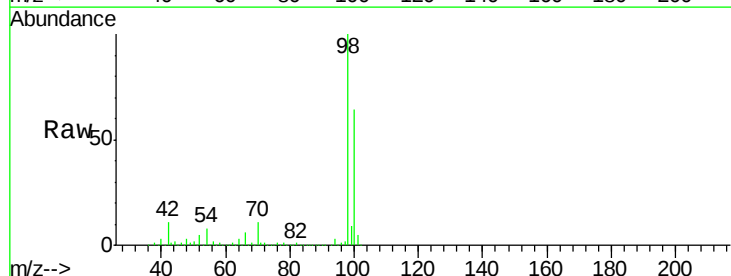
Instrument :  
MSVOA\_U  
ClientSampleId :  
T9-12-13-Q3-(0)

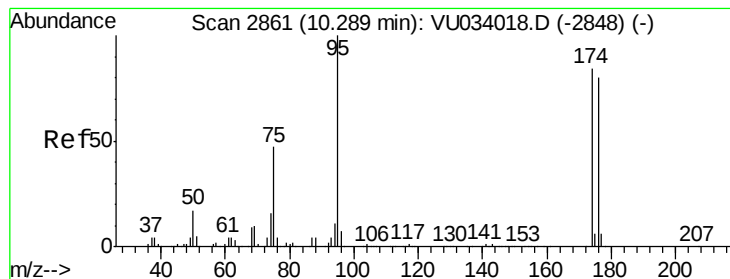
| Tot Ion   | 43    | Resp  | 92063 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 21.1  | 17.2  | 25.8  |
| 87        | 12.8  | 10.8  | 16.2  |



#50  
Toluene-d8  
Concen: 50.174 ug/l  
RT: 7.55 min Scan# 2008  
Delta R.T. -0.00 min  
Lab File: VU034072.D  
Acq: 29 Aug 2019 19:09

| Tgt Ion   | 98    | Resp  | 947403 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 64.5  | 50.3  | 75.5   |





#62

4-Bromofluorobenzene

Concen: 45.097 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VU034072.D

Acq: 29 Aug 2019 19:09

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-Q3-(0)

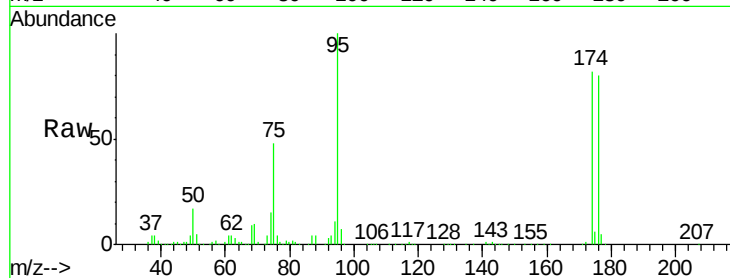
Tot Ion: 95 Resp: 331242

Ion Ratio Lower Upper

95 100

174 83.8 0.0 168.8

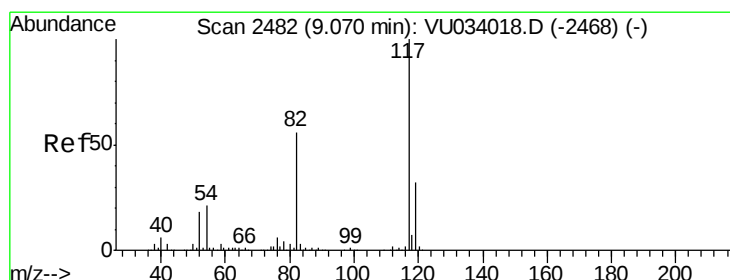
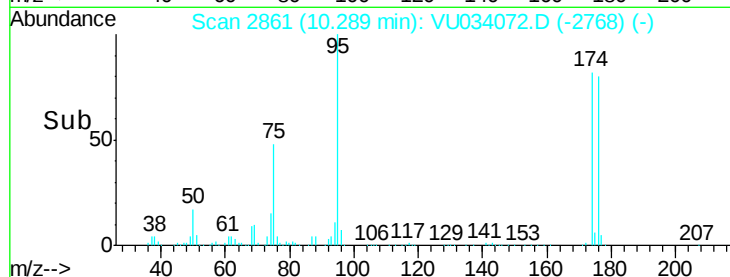
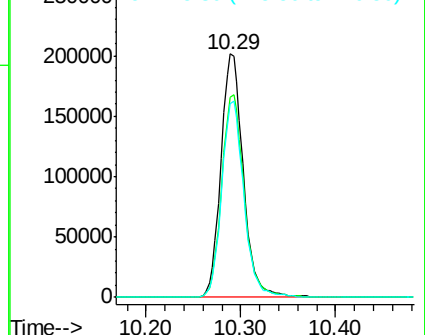
176 79.9 0.0 161.8



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: VU034072.D

Acq: 29 Aug 2019 19:09

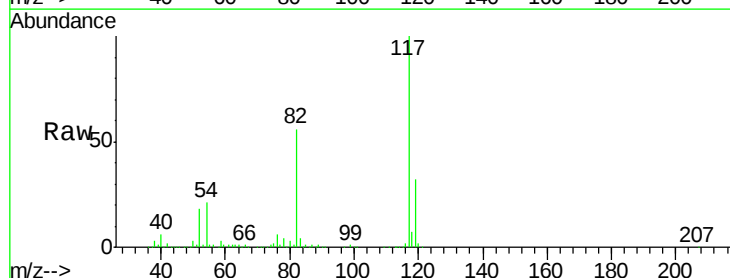
Tgt Ion: 117 Resp: 718984

Ion Ratio Lower Upper

117 100

82 56.3 45.1 67.7

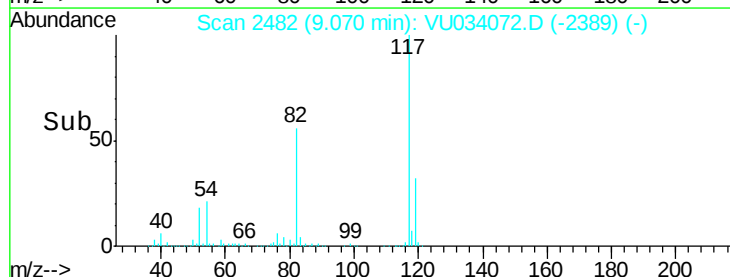
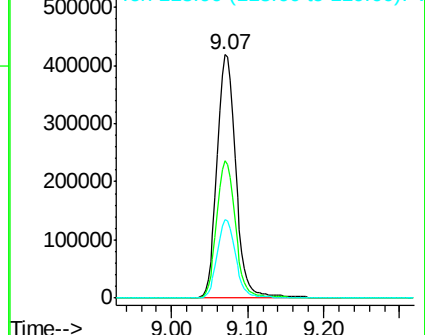
119 32.2 25.4 38.0

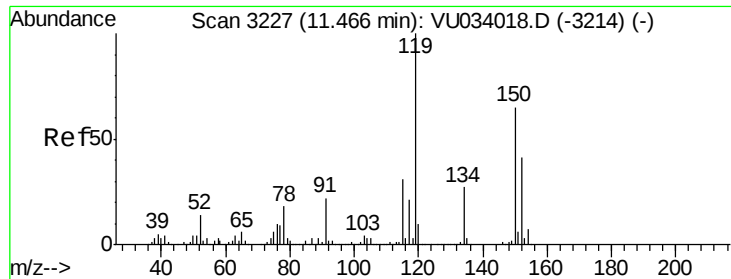


Abundance Ion 116.90 (116.60 to 117.60): VU034018.D (-2468) (-)

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: 11.47 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VU034072.D

Acq: 29 Aug 2019 19:09

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-Q3-(0)

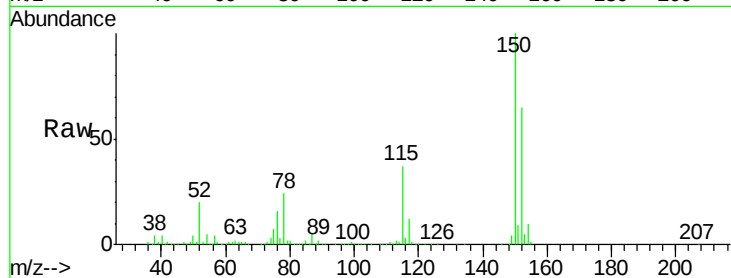
Tot Ion:152 Resp: 346609

Ion Ratio Lower Upper

152 100

115 57.9 41.1 123.3

150 157.3 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

