

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\  
 Data File : VU034030.D  
 Acq On : 28 Aug 2019 18:05  
 Operator : JC/SP  
 Sample : K4592-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GW-4A

Quant Time: Aug 29 04:53:31 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

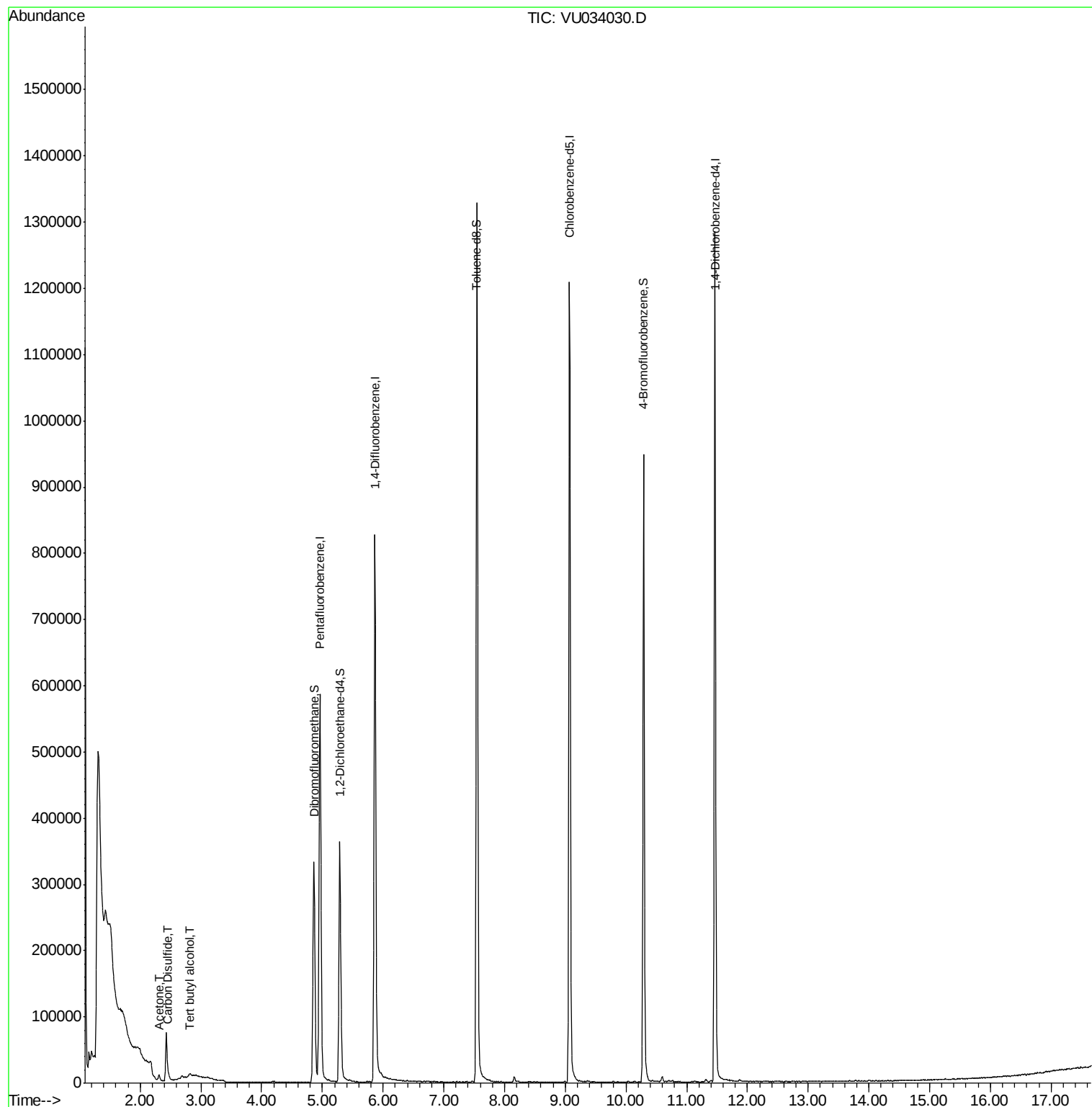
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 4.96  | 168  | 467292   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.87  | 114  | 741318   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.07  | 117  | 706660   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.47 | 152  | 360564   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 291116   | 48.62 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.24% |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 239517   | 46.58 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.16% |          |
| 50) Toluene-d8              | 7.55  | 98   | 932288   | 48.42 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.84% |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 328294   | 43.84 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.68% |          |
| Target Compounds            |       |      |          |       |        |          |
| 11) Tert butyl alcohol      | 2.82  | 59   | 4687     | 3.394 | ug/l # | 92       |
| 16) Acetone                 | 2.31  | 43   | 9893     | 3.238 | ug/l   | 98       |
| 17) Carbon Disulfide        | 2.47  | 76   | 7907     | 0.534 | ug/l   | 100      |

(#) = 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: VU034030.D

Acq: 28 Aug 2019 18:05

Instrument :

MSVOA\_U

ClientSampleId :

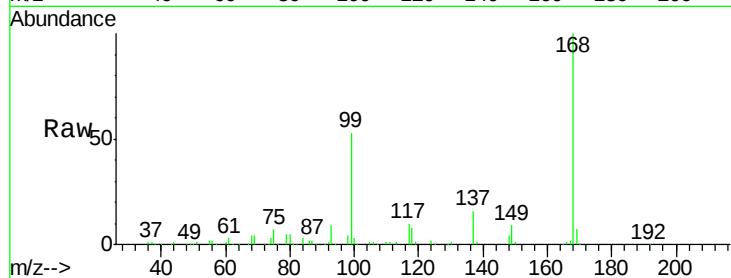
GW-4A

Tot Ion:168 Resp: 467292

Ion Ratio Lower Upper

168 100

99 52.5 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

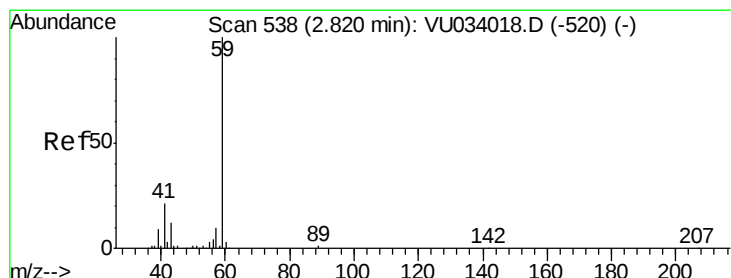
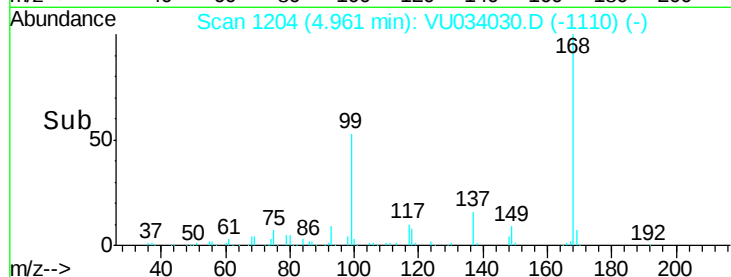
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.394 ug/l

RT: 2.82 min Scan# 537

Delta R.T. -0.00 min

Lab File: VU034030.D

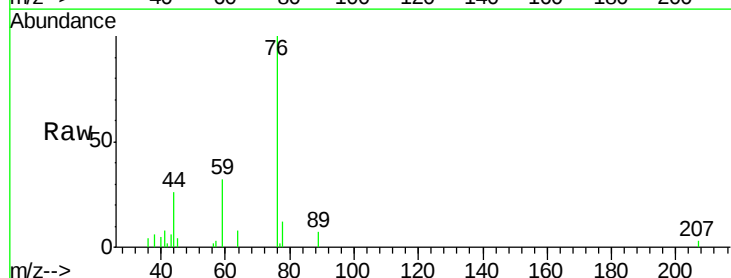
Acq: 28 Aug 2019 18:05

Tgt Ion: 59 Resp: 4687

Ion Ratio Lower Upper

59 100

57 7.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU034018.D (-520) (-)

Ion 57.00 (56.70 to 57.70): VU034018.D (-520) (-)

2.82

2000

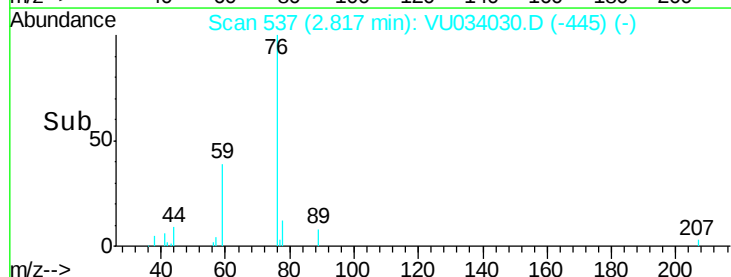
1500

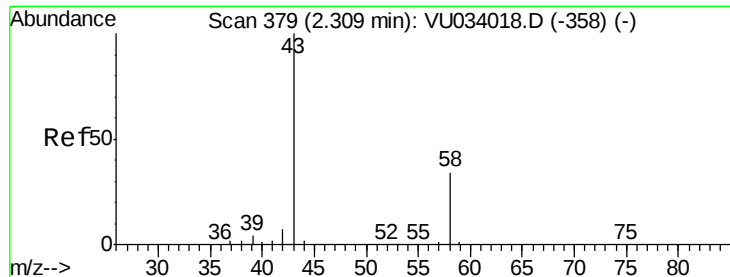
1000

500

0

Time-->





#16

Acetone

Concen: 3.238 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034030.D

Acq: 28 Aug 2019 18:05

Instrument :

MSVOA\_U

ClientSampleId :

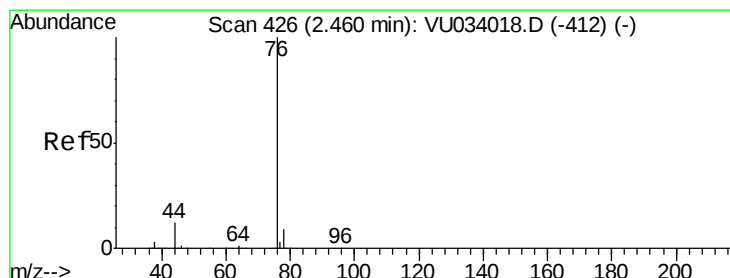
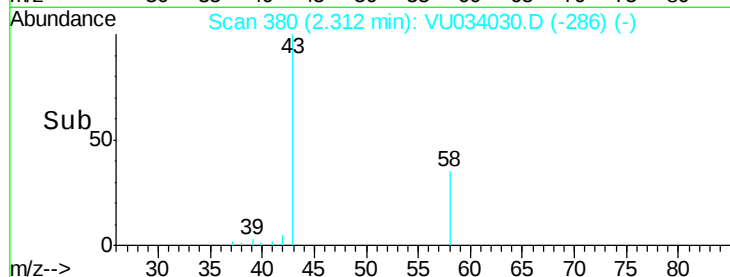
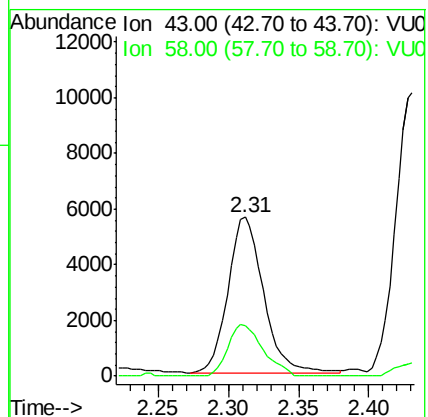
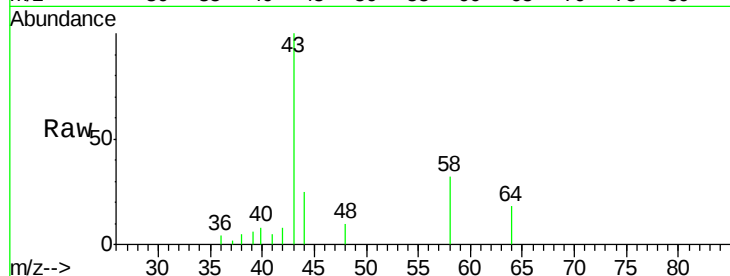
GW-4A

Tot Ion: 43 Resp: 9893

Ion Ratio Lower Upper

43 100

58 32.4 26.8 40.2



#17

Carbon Disulfide

Concen: 0.534 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VU034030.D

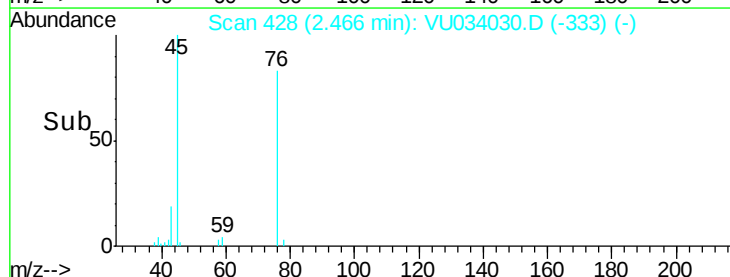
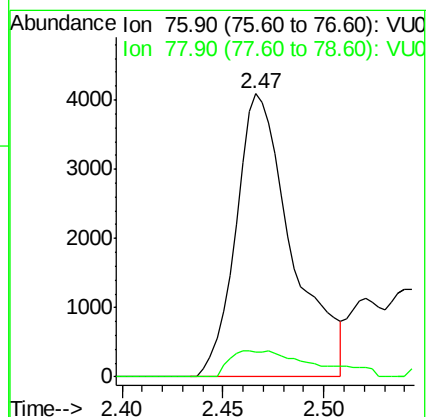
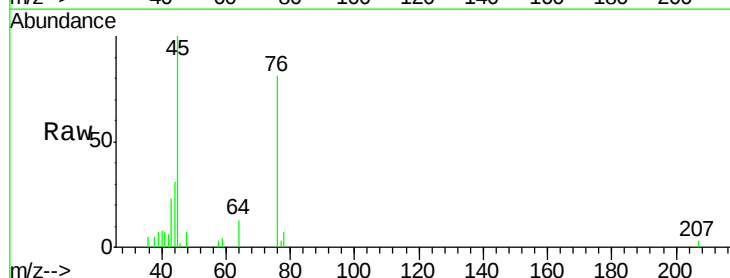
Acq: 28 Aug 2019 18:05

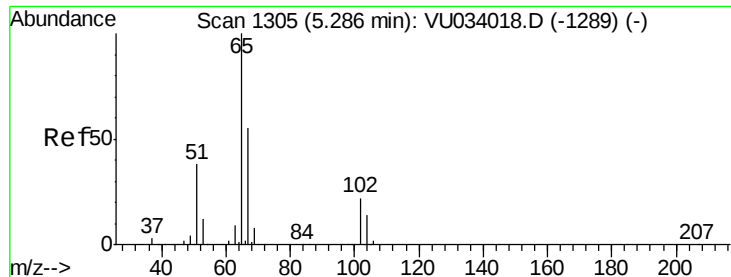
Tgt Ion: 76 Resp: 7907

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

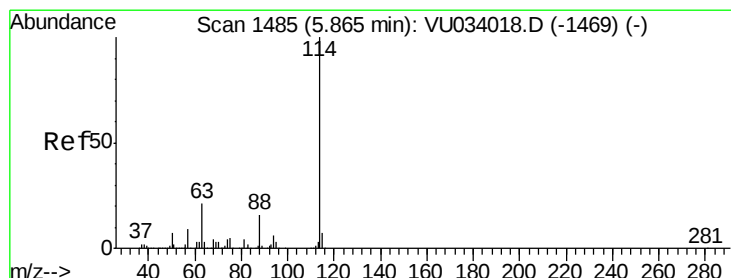
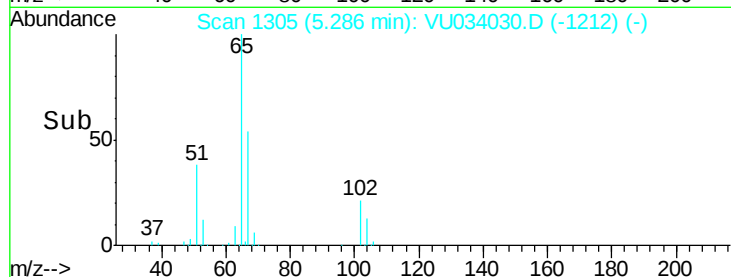
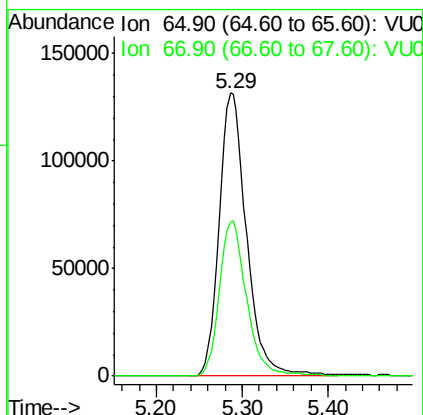
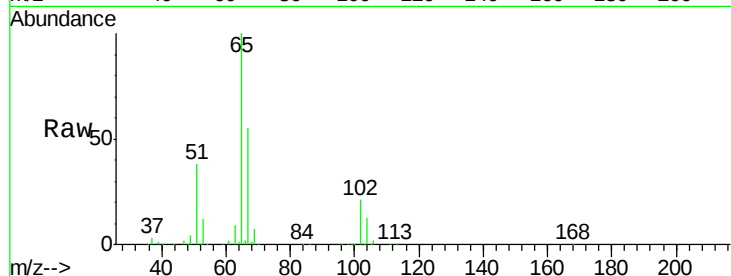




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.620 ug/l  
 RT: 5.29 min Scan# 1305  
 Delta R.T. 0.00 min  
 Lab File: VU034030.D  
 Acq: 28 Aug 2019 18:05

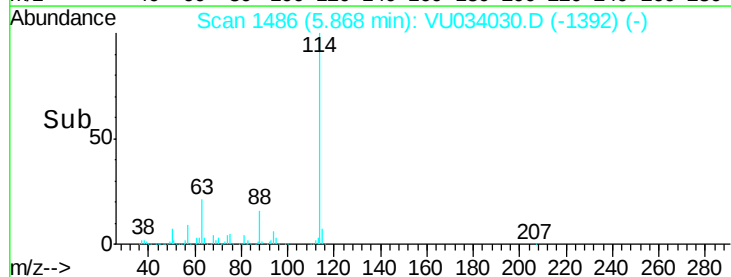
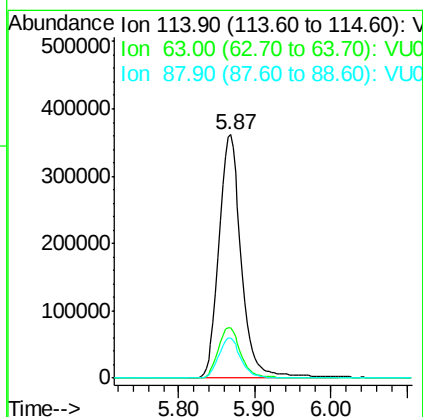
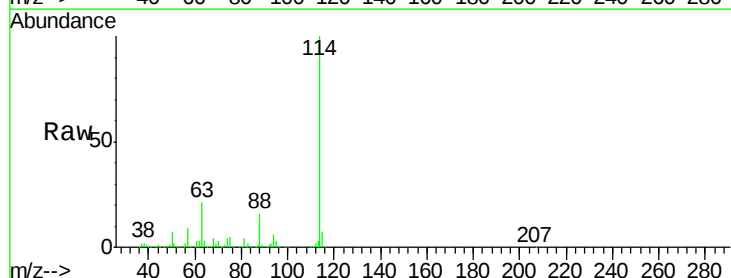
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 GW-4A

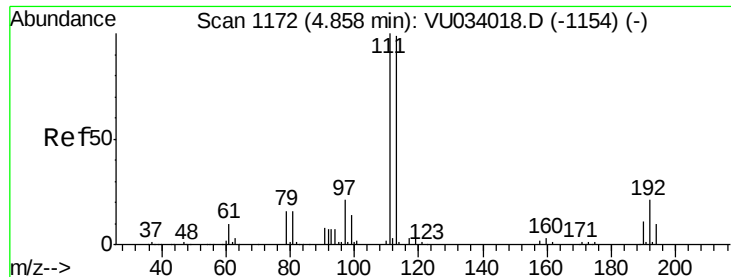
Tot Ion: 65 Resp: 291116  
 Ion Ratio Lower Upper  
 65 100  
 67 54.7 0.0 110.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.87 min Scan# 1486  
 Delta R.T. 0.00 min  
 Lab File: VU034030.D  
 Acq: 28 Aug 2019 18:05

Tgt Ion: 114 Resp: 741318  
 Ion Ratio Lower Upper  
 114 100  
 63 20.6 0.0 42.0  
 88 16.3 0.0 32.0

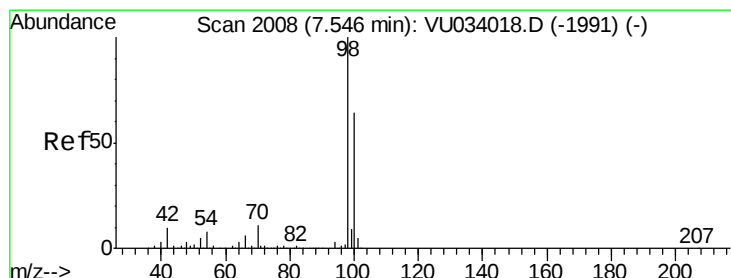
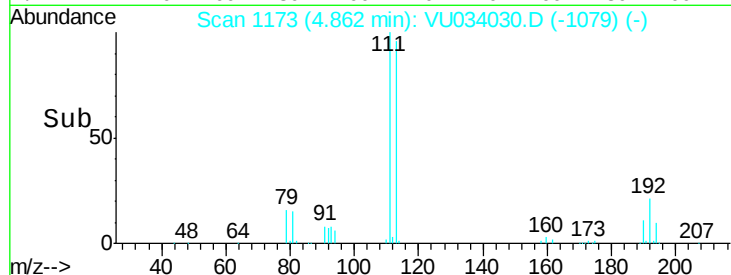
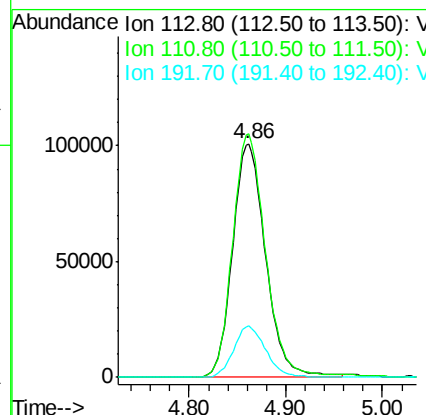
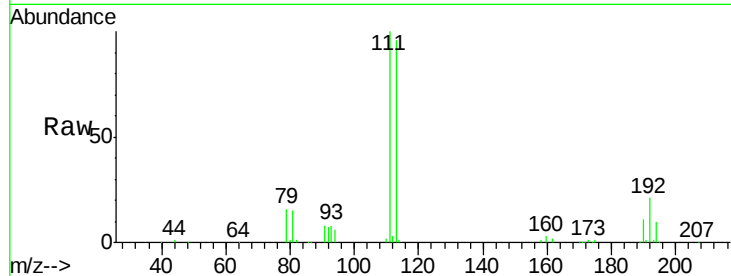




#35  
 Dibromofluoromethane  
 Concen: 46.583 ug/l  
 RT: 4.86 min Scan# 1173  
 Delta R.T. 0.00 min  
 Lab File: VU034030.D  
 Acq: 28 Aug 2019 18:05

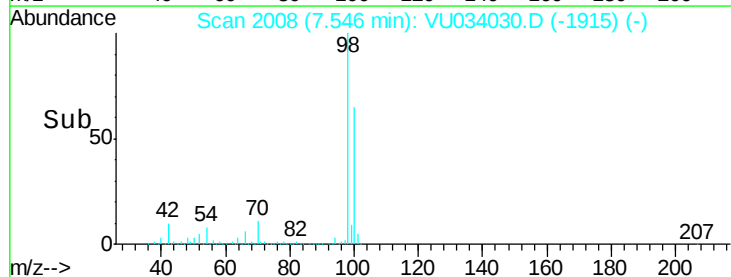
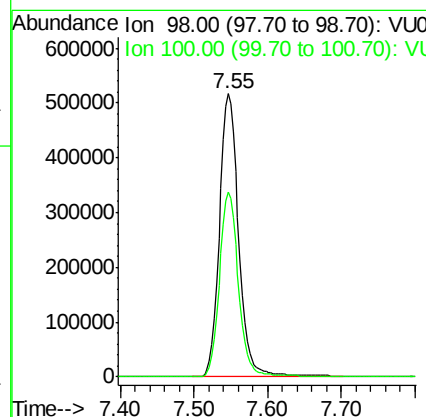
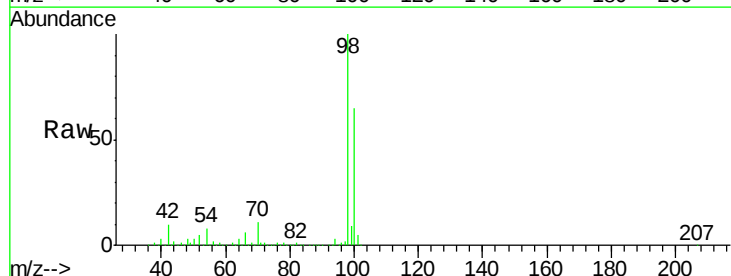
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GW-4A

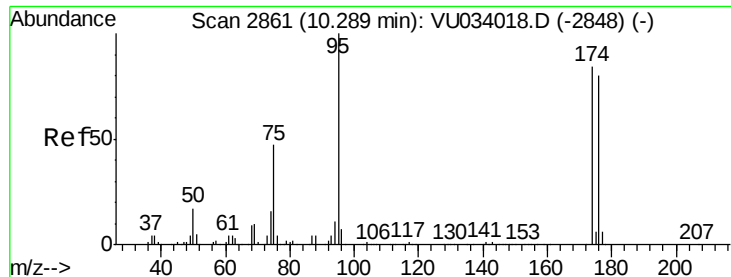
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 81.7  | 122.5 |
| 192     | 21.3  | 17.1  | 25.7  |



#50  
 Toluene-d8  
 Concen: 48.424 ug/l  
 RT: 7.55 min Scan# 2008  
 Delta R.T. 0.00 min  
 Lab File: VU034030.D  
 Acq: 28 Aug 2019 18:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.9  | 50.3  | 75.5  |

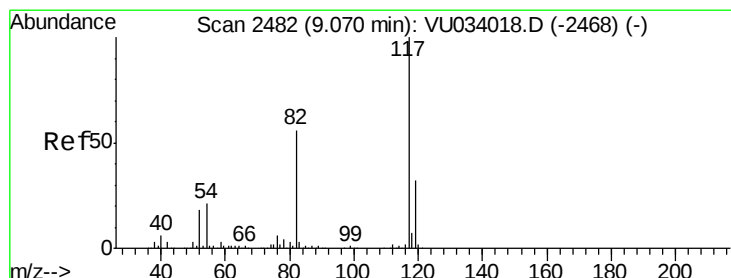
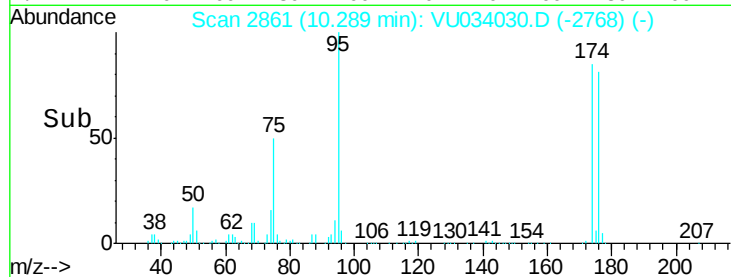
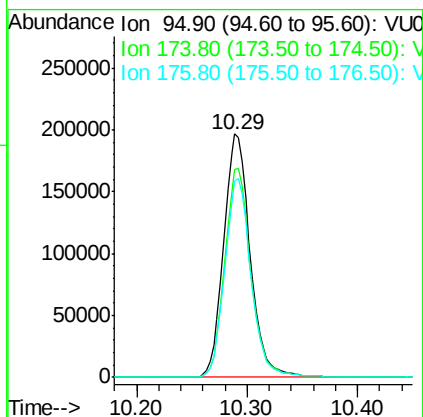
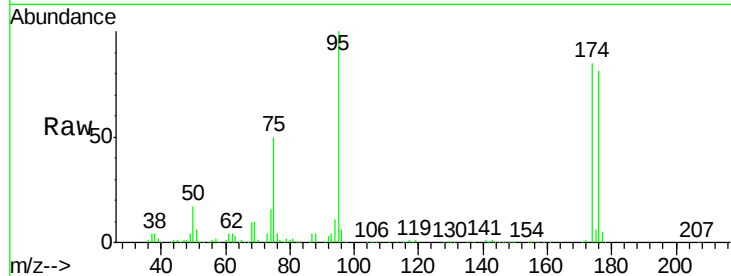




#62  
4-Bromofluorobenzene  
Concen: 43.837 ug/l  
RT: 10.29 min Scan# 2861  
Delta R.T. 0.00 min  
Lab File: VU034030.D  
Acq: 28 Aug 2019 18:05

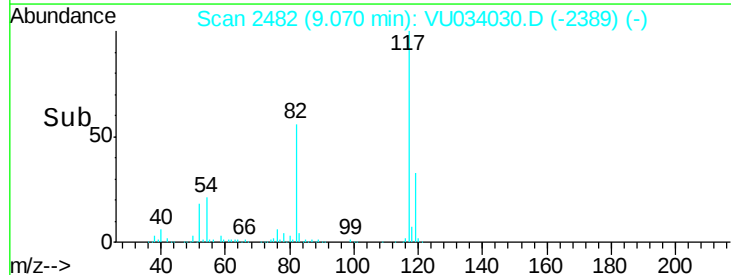
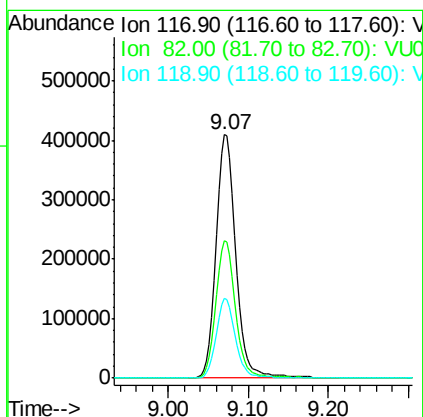
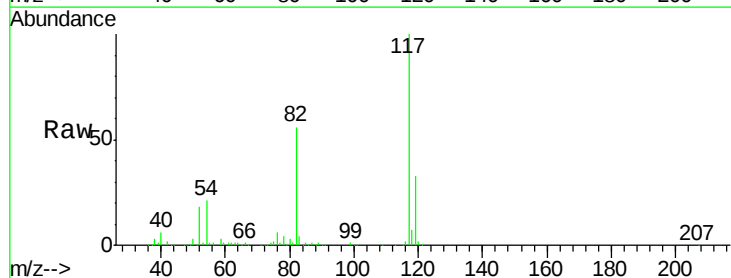
Instrument :  
MSVOA\_U  
ClientSampleId :  
GW-4A

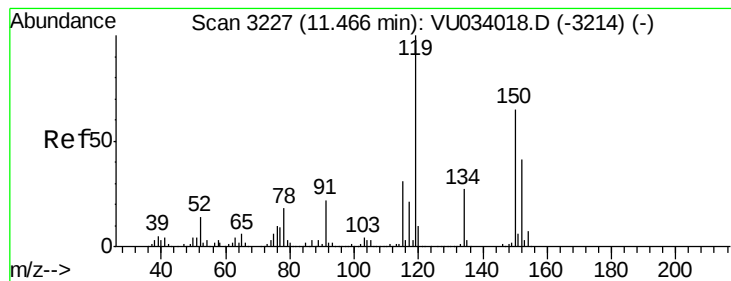
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 85.2  | 0.0   | 168.8 |
| 176     | 81.4  | 0.0   | 161.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. 0.00 min  
Lab File: VU034030.D  
Acq: 28 Aug 2019 18:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.5  | 45.1  | 67.7  |
| 119     | 32.8  | 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: VU034030.D

Acq: 28 Aug 2019 18:05

Instrument :

MSVOA\_U

ClientSampleId :

GW-4A

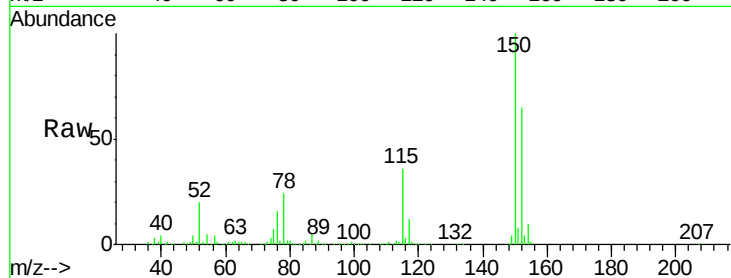
Tot Ion:152 Resp: 360564

Ion Ratio Lower Upper

152 100

115 56.7 41.1 123.3

150 156.0 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

