

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091119\  
 Data File : VU034477.D  
 Acq On : 11 Sep 2019 15:17  
 Operator : JC/SP  
 Sample : K4783-01DL 5X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 38150-122118DL

Quant Time: Sep 12 04:17:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091119DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Sep 12 02:53:57 2019  
 Response via : Initial Calibration

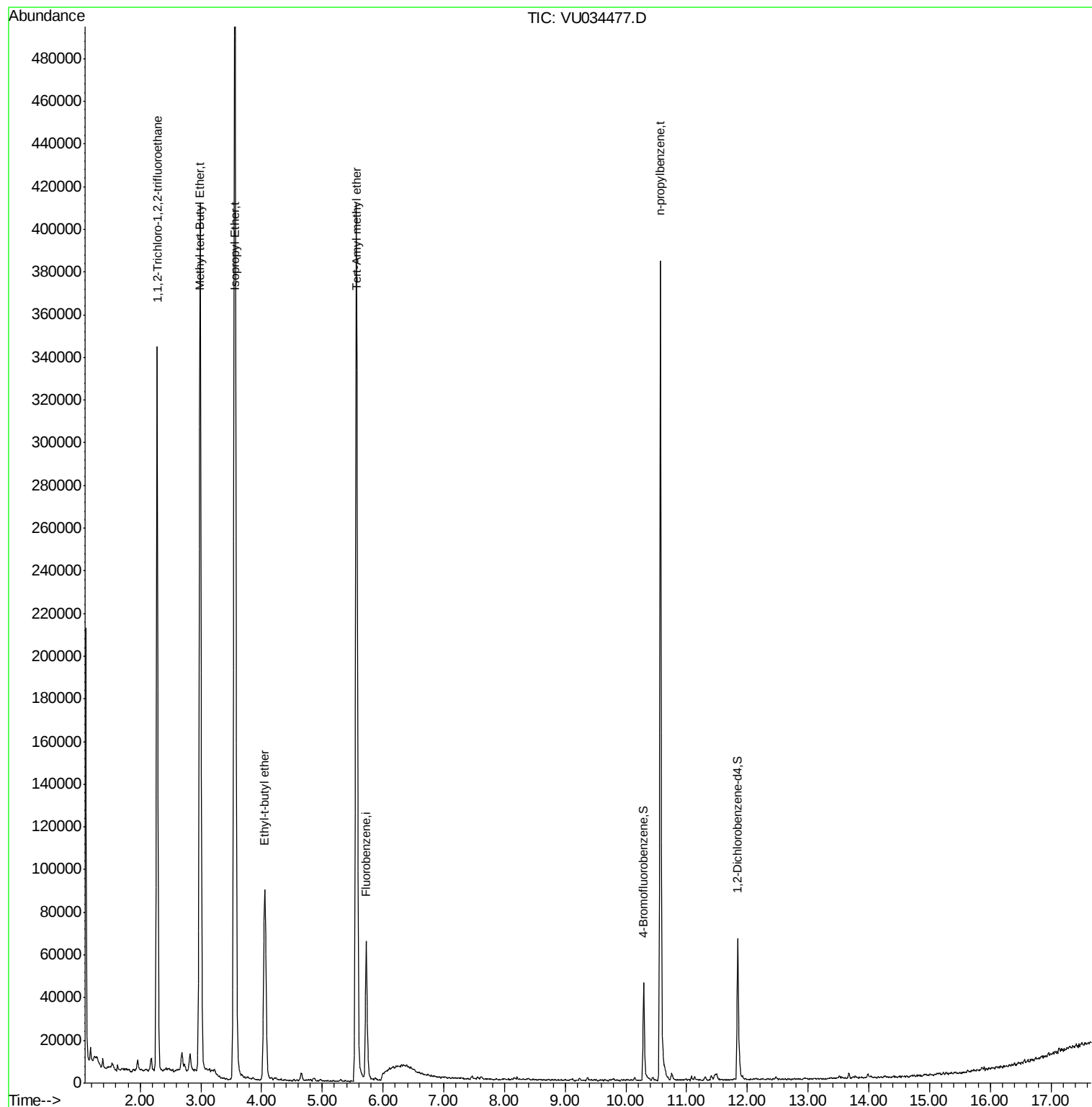
| Internal Standards            | R.T.  | QIon  | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|-------|-------|----------|--------|--------|----------|
| -----                         | ----- | ----- | -----    | -----  | -----  | -----    |
| 1) Fluorobenzene              | 5.72  | 96    | 65035    | 1.00   | ug/l   | 0.00     |
| System Monitoring Compounds   |       |       |          |        |        |          |
| 57) 4-Bromofluorobenzene      | 10.29 | 95    | 18056    | 0.72   | ug/l   | 0.00     |
| Spiked Amount 1.000           |       |       | Recovery | =      | 72.00% |          |
| 68) 1,2-Dichlorobenzene-d4    | 11.84 | 152   | 21275    | 0.78   | ug/l   | 0.00     |
| Spiked Amount 1.000           |       |       | Recovery | =      | 78.00% |          |
| Target Compounds              |       |       |          |        |        |          |
|                               |       |       |          |        | Ovalue |          |
| 8) 1,1,2-Trichloro-1,2,2-trif | 2.28  | 101   | 129229   | 7.525  | ug/l   | 99       |
| 25) Methyl tert-Butyl Ether   | 2.99  | 73    | 442285   | 10.663 | ug/l   | 100      |
| 31) Isopropyl Ether           | 3.56  | 45    | 533527   | 10.036 | ug/l   | 99       |
| 32) Ethyl-t-butyl ether       | 4.05  | 59    | 98284    | 2.161  | ug/l   | 100      |
| 33) Tert-Amyl methyl ether    | 5.56  | 73    | 345963   | 9.079  | ug/l   | 99       |
| 73) n-propylbenzene           | 10.57 | 120   | 70337    | 2.968  | ug/l   | 92       |
| -----                         | ----- | ----- | -----    | -----  | -----  | -----    |

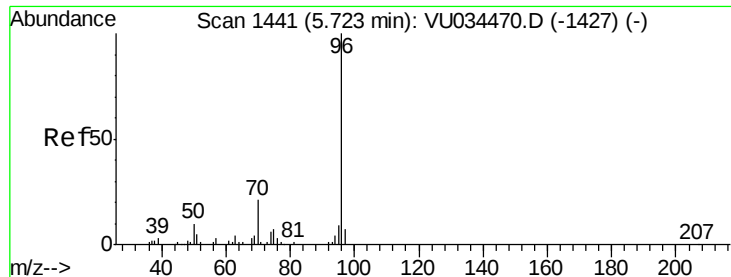
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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38150-122118DL

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA U\METHOD\524U091119DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Sep 12 02:53:57 2019  
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VU034477.D

Acq: 11 Sep 2019 15:17

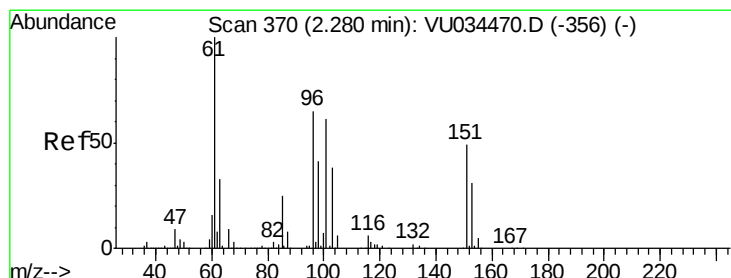
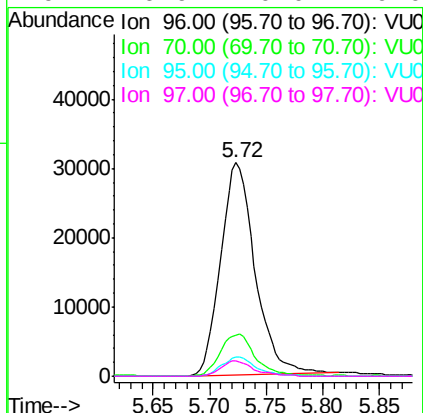
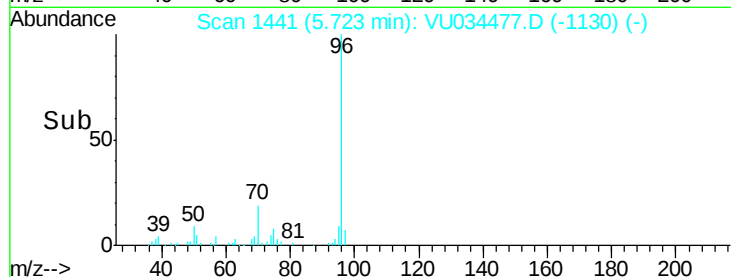
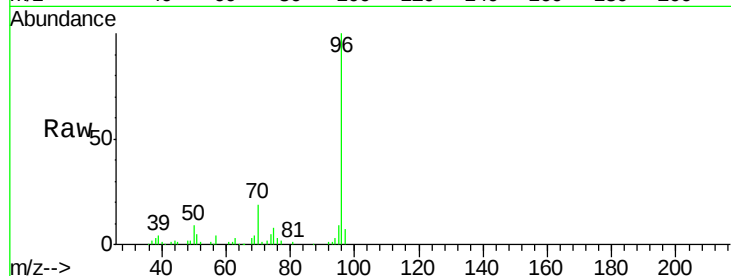
Instrument :

MSVOA\_U

ClientSampleId :

38150-122118DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 65035 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 70       | 19.8  | 16.5  | 24.7  |
| 95       | 9.1   | 7.0   | 10.6  |
| 97       | 6.9   | 0.0   | 0.0#  |



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 7.525 ug/l

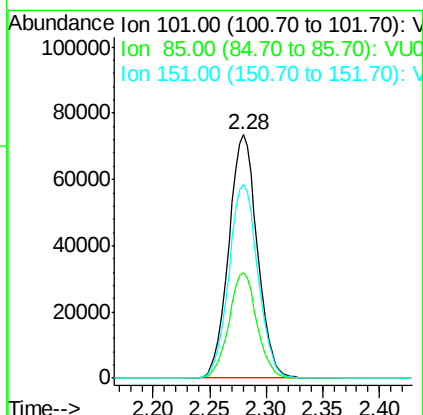
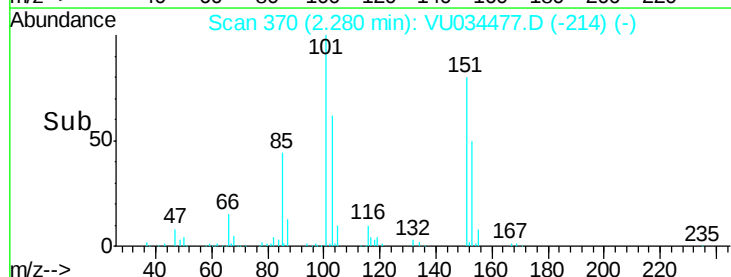
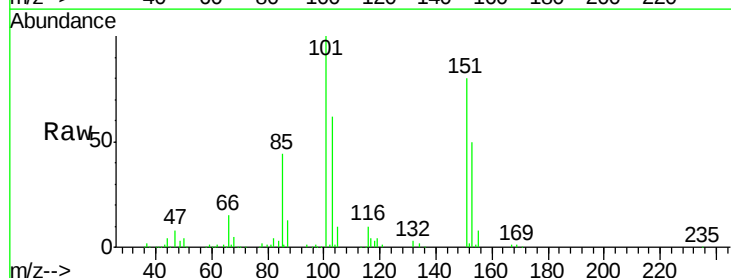
RT: 2.28 min Scan# 370

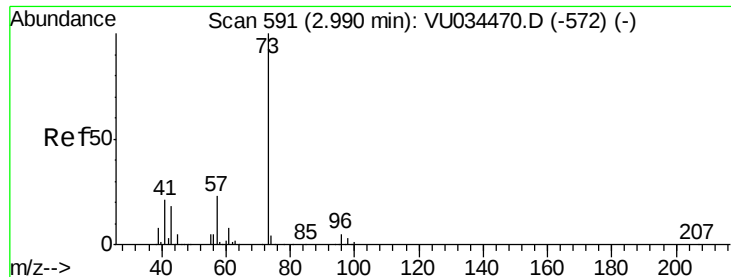
Delta R.T. 0.00 min

Lab File: VU034477.D

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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 101   | Resp: | 129229 |
| Ion      | Ratio | Lower | Upper  |
| 101      | 100   |       |        |
| 85       | 42.4  | 34.2  | 51.2   |
| 151      | 80.9  | 65.2  | 97.8   |



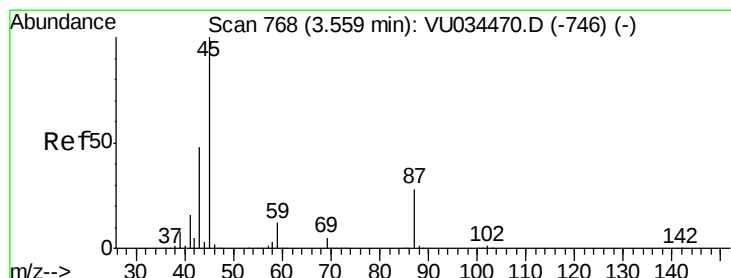
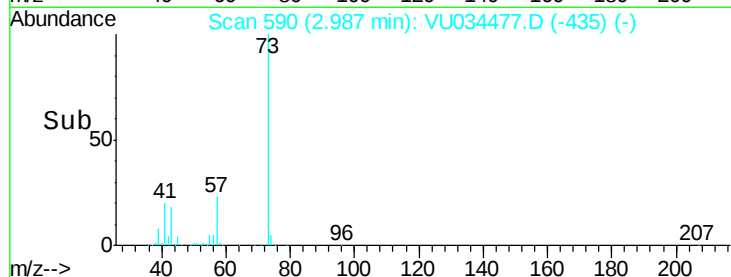
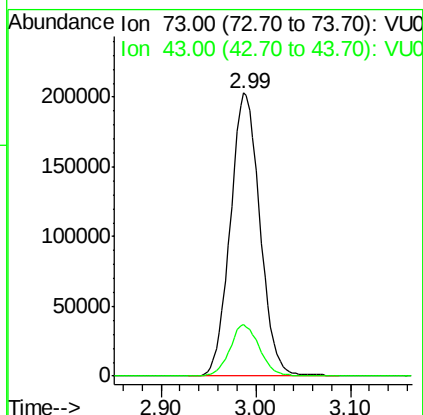
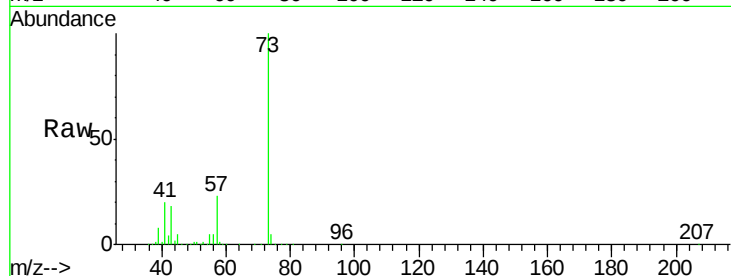


#25

Methyl tert-Butyl Ether  
 Concen: 10.663 ug/l  
 RT: 2.99 min Scan# 590  
 Delta R.T. -0.00 min  
 Lab File: VU034477.D  
 Acq: 11 Sep 2019 15:17

Instrument :  
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 38150-122118DL

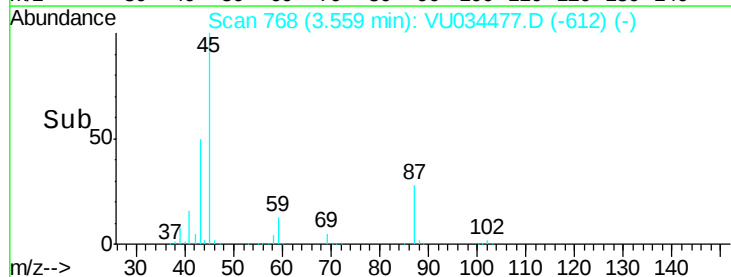
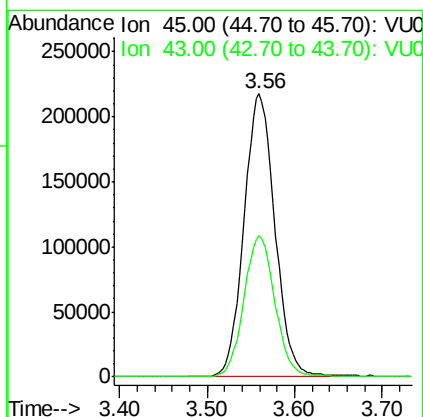
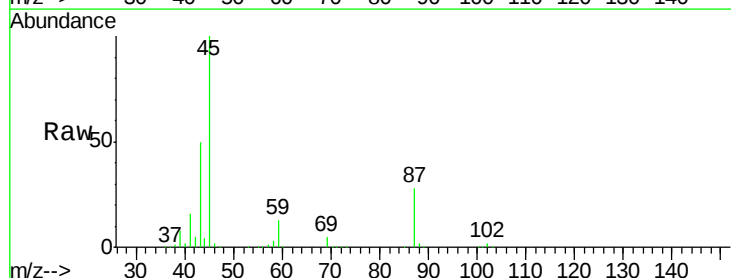
Tot Ion: 73 Resp: 442285  
 Ion Ratio Lower Upper  
 73 100  
 43 18.0 14.4 21.6

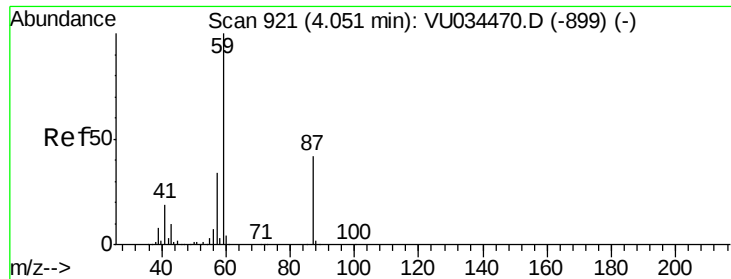


#31

Isopropyl Ether  
 Concen: 10.036 ug/l  
 RT: 3.56 min Scan# 768  
 Delta R.T. 0.00 min  
 Lab File: VU034477.D  
 Acq: 11 Sep 2019 15:17

Tgt Ion: 45 Resp: 533527  
 Ion Ratio Lower Upper  
 45 100  
 43 50.2 24.8 74.3





#32

Ethyl t-butyl ether

Concen: 2.161 ug/l

RT: 4.05 min Scan# 921

Delta R.T. 0.00 min

Lab File: VU034477.D

Acq: 11 Sep 2019 15:17

Instrument :

MSVOA\_U

ClientSampleId :

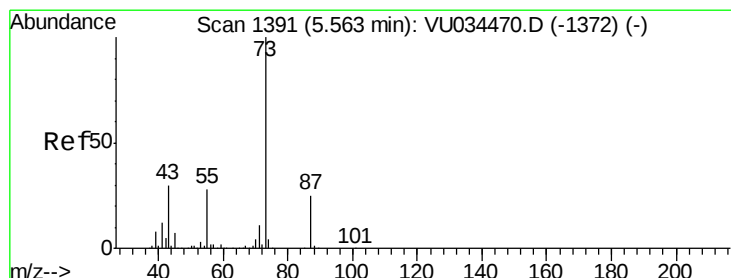
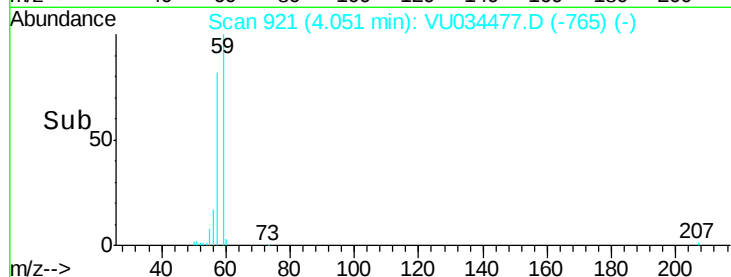
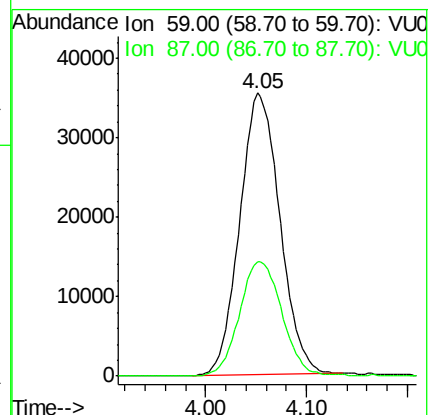
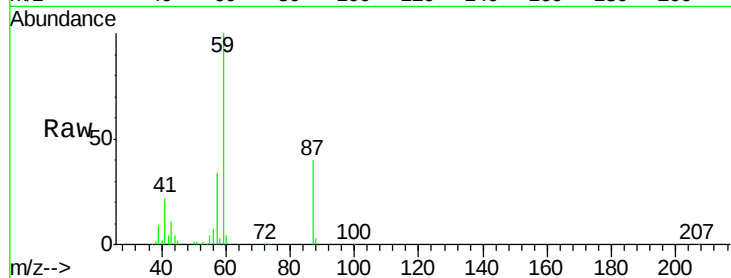
38150-122118DL

Tot Ion: 59 Resp: 98284

Ion Ratio Lower Upper

59 100

87 41.8 33.6 50.4



#33

Tert-Amyl methyl ether

Concen: 9.079 ug/l

RT: 5.56 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU034477.D

Acq: 11 Sep 2019 15:17

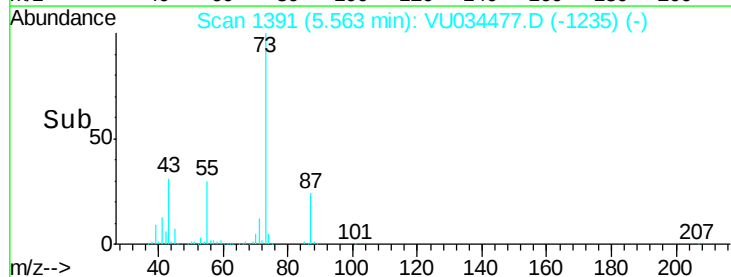
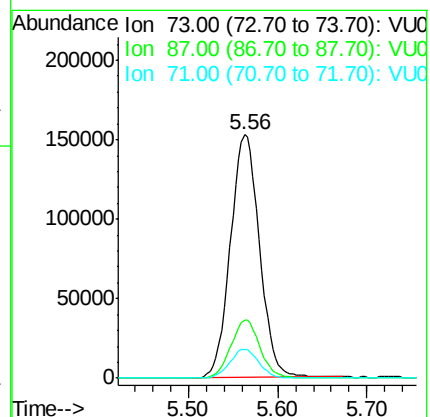
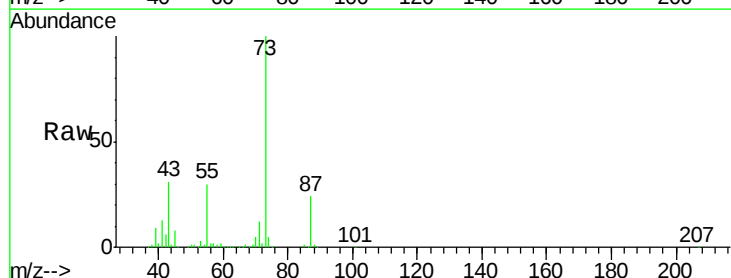
Tgt Ion: 73 Resp: 345963

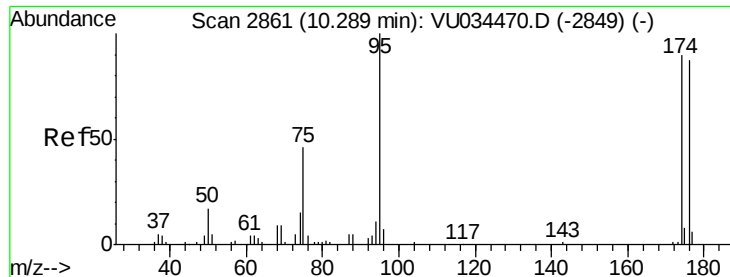
Ion Ratio Lower Upper

73 100

87 23.6 19.4 29.0

71 12.0 9.3 13.9

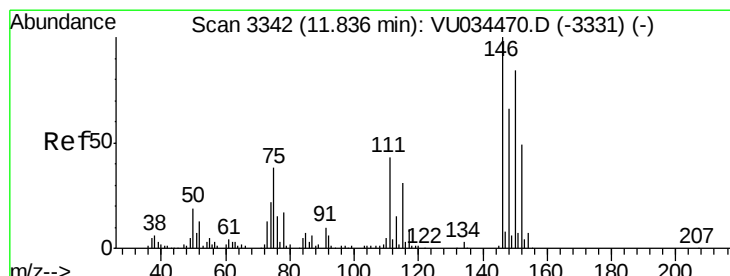
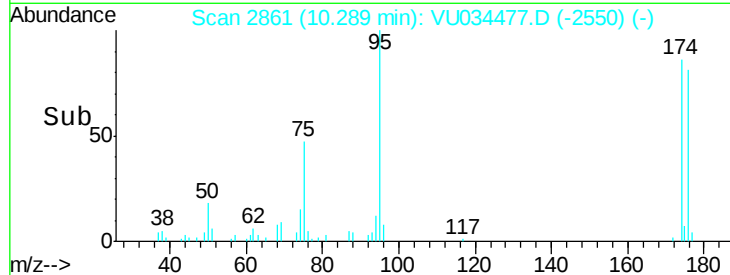
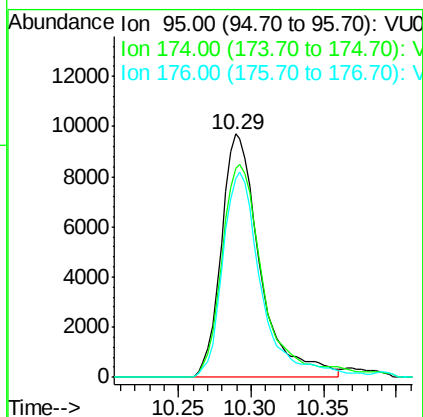
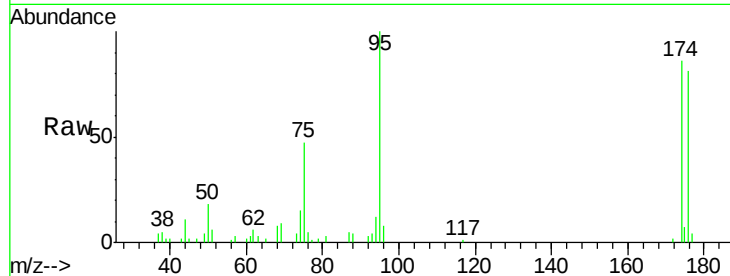




#57  
 4-Bromofluorobenzene  
 Concen: 0.717 ug/l  
 RT: 10.29 min Scan# 2861  
 Delta R.T. 0.00 min  
 Lab File: VU034477.D  
 Acq: 11 Sep 2019 15:17

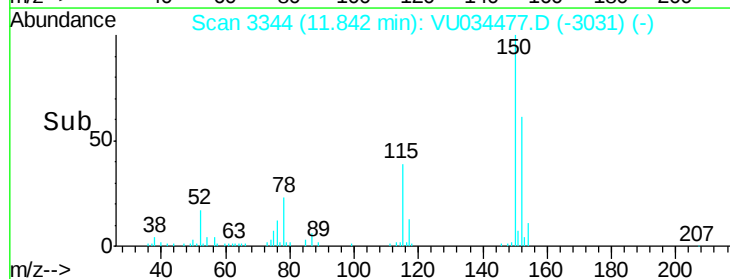
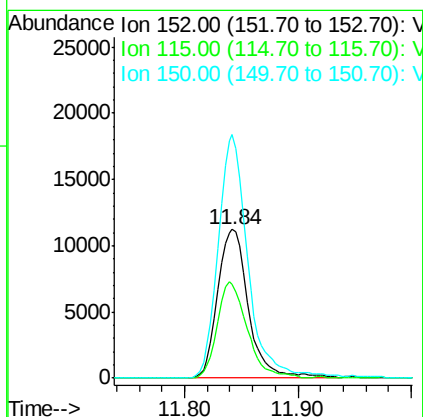
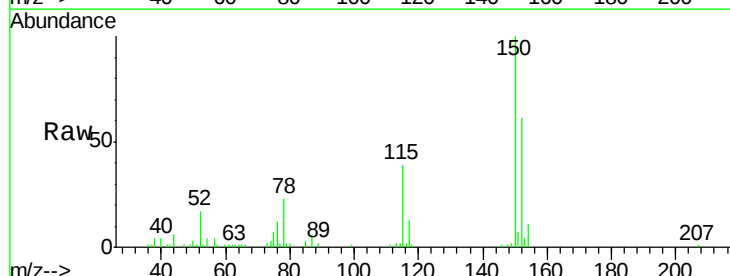
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 38150-122118DL

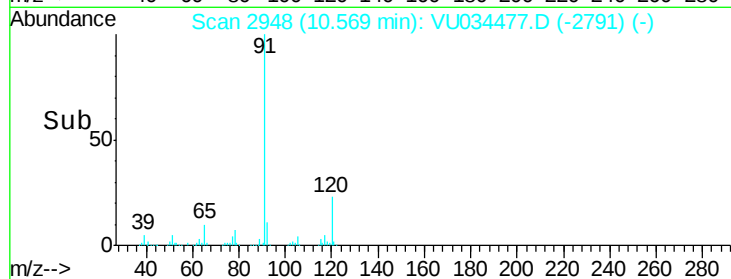
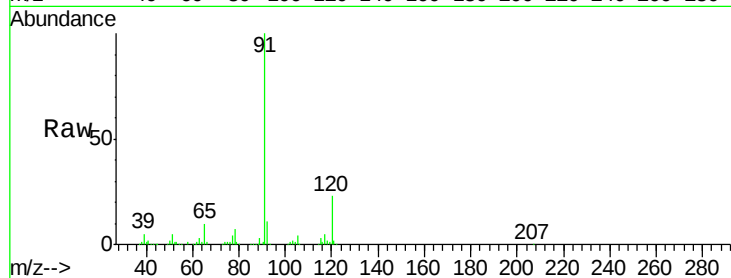
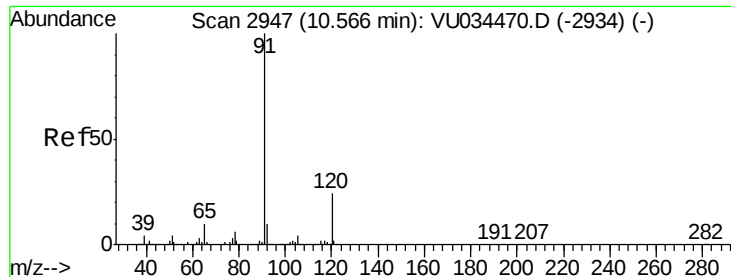
Tot Ion: 95 Resp: 18056  
 Ion Ratio Lower Upper  
 95 100  
 174 93.4 70.1 105.1  
 176 84.3 67.7 101.5



#68  
 1,2-Dichlorobenzene-d4  
 Concen: 0.784 ug/l  
 RT: 11.84 min Scan# 3344  
 Delta R.T. 0.01 min  
 Lab File: VU034477.D  
 Acq: 11 Sep 2019 15:17

Tgt Ion: 152 Resp: 21275  
 Ion Ratio Lower Upper  
 152 100  
 115 62.7 0.0 126.6  
 150 154.9 0.0 633.6





#73

n-propylbenzene

Concen: 2.968 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034477.D

Acq: 11 Sep 2019 15:17

Instrument :

MSVOA\_U

ClientSampleId :

38150-122118DL

Tot Ion:120 Resp: 70337

Ion Ratio Lower Upper

120 100

91 444.7 339.1 508.7

